



W. A. CRAIG, INC.

Environmental Contracting and Consulting

6940 Tremont Road
Dixon, California 95620
Contractor and Hazardous Substances License #455752
Cal/OSHA Statewide Annual Excavation Permit #559351
(800) 522-7244
email: wacraig@onramp113.org

Dixon (707) 693-2929

Napa (707) 252-3353

Fax: (707) 693-2922

January 29, 1999

Project No. 3628

Mr. Reed Rinehart
Rino Pacific, Inc.
P.O Box 725
Ukiah, California 95482

Subject: REPORT - Groundwater Monitoring, December 1998
1107 Fifth Street
Oakland, California

Dear Mr. Rinehart:

W. A. Craig, Inc. (WAC) is pleased to submit this Groundwater Monitoring Report for sampling conducted on December 30, 1998 at 1107 Fifth Street (site) in Oakland, California (**Figure 1**). This work was performed in accordance with the scope of work presented in WAC's Work Plan dated September 16, 1996.

This report includes groundwater quality and elevation data for three groundwater monitoring wells at the site. The installation of the monitoring wells is presented in WAC's "Subsurface Investigation Report," dated January 17, 1997.

SCOPE OF WORK

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

- Measuring static water levels in the monitoring wells;
- Purging and sampling groundwater from the monitoring wells at the site;
- Analyzing groundwater samples for total petroleum hydrocarbons as diesel (TPH-d), total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tert-butyl ether (MTBE);
- Maintenance and operation of a passive free-product recovery system; and
- Summarizing the site hydrologic conditions, groundwater quality, product recovery results, and recommendations for further site characterization.

ENVIRONMENTAL
PROTECTION
99 FEB -5 PM 3:17

GROUNDWATER SAMPLING

Sampling Methods

Three well casing volumes were purged from the monitoring wells on December 30, 1998. Field parameters including temperature, pH, conductivity, and turbidity were intermittently monitored during purging of the well. Groundwater was purged from the wells and samples were collected using disposable polyethylene bailers. Copies of the field monitoring well sampling logs are included in **Attachment A**. The samples were submitted under chain-of-custody control to McCampbell Analytical, Inc. (MAI), of Pacheco, California. The purged well-water is currently stored on-site in sealed, DOT approved, 55-gallon steel drums.

Groundwater Elevations

WAC's staff hydrologist measured the water levels in the monitoring wells on October 1, 1998 using an electronic water level indicator. The surveyed elevations and the field water level measurements were used to calculate the groundwater surface elevations at the site. The monitoring wells, which released pressure when opened, were exposed to atmospheric conditions for forty-five minutes to allow water levels to stabilize. The calculated groundwater gradient and flow direction for this event were 0.01 ft/ft, and southwest. 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**.

Analytical Results

The groundwater samples were analyzed by MAI for gasoline and diesel 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 these analyses. The analytical laboratory results are summarized in **Table 2**. Copies of the analytical laboratory report and chain-of-custody documents are in **Attachment B**.

Gasoline and BTEX were not detected in the samples collected from monitoring wells MW-1 and MW-3 during this sampling event. These results are consistent with previous monitoring results. The analytical results of samples collected from monitoring well MW-2 reported gasoline at a concentration of 1000 µg/L, and benzene at a concentration of 96 µg/L.

MTBE was not detected in MW-1 using EPA method 8020. MTBE was reported at 370,000 µg/L in MW-2. MTBE was reported in MW-3 at 6.9 µg/L. The MTBE concentrations reported in all the wells were relatively unchanged compared to the same time period in 1997. Groundwater samples from the monitoring wells were analyzed for Oxygenated Volatile Organics [Di-isopropyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE), Methyl-tert Butyl Ether (MTBE), tert-Amyl Methyl Ether (TAME) and tert Butanol] using EPA 8260. MTBE was reported in MW-1 and MW-3 at concentrations

of 2.3 µg/L and 4.5 µg/L respectively. These concentrations are below the MCL for drinking water. ~~The MTBE concentration reported for sample from MW-2 was 360,000 µg/L.~~

FREE PRODUCT RECOVERY

WAC personnel have intermittently monitored free product in the recovery wells. Product has been recovered from a skimmer placed in recovery well RW-W. The results of the monitoring of the recovery wells are presented in **Table 3**. The recovered product is currently stored in a 55-gallon drum in a secure area of the site. Approximately 8.3 gallons of product have been collected since the installation of the skimmer.

WAC will perform product measurements and collection on a monthly basis until the product thickness is below capture thresholds. The product in recovery well RW-W was thinner than previous monitoring events.

CONCLUSIONS AND RECOMMENDATIONS

The groundwater flow direction is generally southerly, but ranges from southwest to southeast. The gradient interpretation assumes hydrologic continuity in the subsurface between the three wells at the site. The interpretation of gradient and flow direction on this site have been significantly influenced by water levels reported for monitoring well MW-3, although this was not the situation for this quarter. Additional monitoring wells and site investigation have been approved by the Alameda County Environmental Health Services. Water levels have been reported to respond to tidal fluctuations, although this has not been confirmed by WAC's field observations.

Diesel concentrations in groundwater have remained relatively consistent in monitoring well MW-2 and MW-3, and appear to be steadily increasing in MW-1. Gasoline and benzene concentrations have been relatively consistent, with concentrations below detection limits in monitoring well MW-1 and MW-3, and at the lowest levels since monitoring started in MW-2. ~~MTBE concentrations in MW-2 remain extremely high and are unchanged since the last sampling event. The EPA method 8260 test was used as a quality control to verify the MTBE concentrations. Since the two types of EPA test were in agreement and no other oxygenates were identified, EPA method 8260 will not be used in future analyses.~~

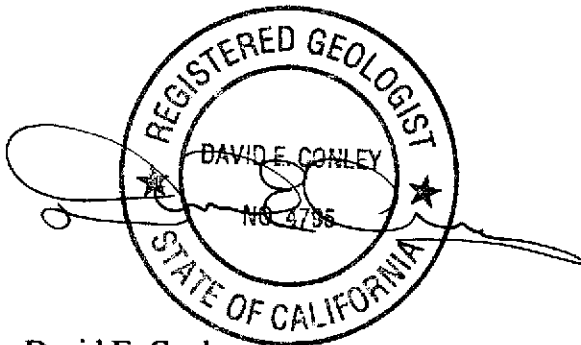
Professional Certification

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.

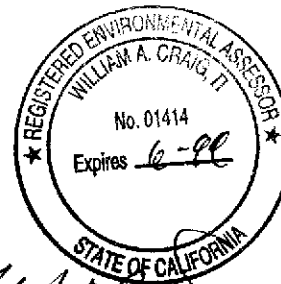
The conclusions presented in this report are professional opinions based solely upon visual observations of the site and vicinity, and interpretation of available information as described in this report. W.A. Craig, Inc., recognizes that the limited scope of services performed in execution of this scope 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 the user. There is no other warranty, either expressed or implied.

We appreciate this opportunity to be of service to you on this project. Should you have any questions regarding this report please call Tom Henderson at (707) 693-2929.

Sincerely,
W.A. Craig, Inc.,



David E. Conley, R.G.
Senior Geologist



W. A. Craig, II
Principal

DEC:tth

- Attachments:**
- Table 1 - Groundwater Elevations
 - Table 2 - Groundwater Sample Analytical Results
 - Table 3 - Product Recovery Summary
 - Figure 1 - Site Location Map
 - Figure 2 - Groundwater Elevation Contour Map
 - A - Groundwater Sampling Logs
 - B - Laboratory Analytical Reports

cc: Larry Seto, Alameda County Department of Environmental Health

Table 1
Groundwater Elevation
1107 5th Street Oakland, California

Well Number	Date	Top of Casing (ft)	Depth to Water (ft)	Static Water Elevation
MW-1	10/21/96	3.84	5.08	-1.24
	11/04/96		3.02	0.84
	03/04/97		2.28	1.56
	06/12/97		4.80	-0.96
	07/14/97		2.66	-1.18
	09/09/97		2.45	1.39
	09/19/97		2.60	1.24
	02/13/98		2.76	1.08
	07/07/98		2.15	1.69
	10/01/98		3.63	0.21
	12/30/98		4.40	-0.56
MW-2	10/21/96	4.48	4.66	-0.02
	11/04/96		4.60	-0.12
	03/04/97		3.68	0.80
	06/12/97		3.70	0.78
	07/14/97		4.16	0.32
	09/09/97		3.88	0.60
	09/19/97		4.50	-0.02
	02/13/98		3.08	1.40
	07/07/98		3.74	0.74
	10/01/98		4.63	-0.15
	12/30/98		3.90	0.58
MW-3	10/21/96	4.81	7.66	-2.85
	11/04/96		5.70	-0.89
	03/04/97		11.38	-6.57
	06/12/97		5.18	-0.37
	07/14/97		7.96	-3.15
	09/09/97		10.16	-5.35
	09/19/97		12.80	-7.99
	02/13/98		11.42	-6.61
	07/07/98		11.76	-6.95
	10/01/98		11.34	-6.53
	12/30/98		4.56	0.25
RW-W	06/13/97	5.26	3.11	2.15
	07/14/97		7.96	-2.70
	09/09/97		not measured	not measured
	09/19/97		3.84	1.42
	02/13/97		not measured	not measured
	07/07/98		2.33	2.93
	10/01/98		3.21	2.05
	12/30/98		not measured	not measured
RW-E	06/13/97	4.65	2.88	1.77
	07/14/97		3.08	1.57
	09/09/97		not measured	not measured
	09/19/97		3.40	1.25
	02/13/97		not measured	not measured
	07/07/98		2.82	1.83
	10/01/98		3.89	0.76
	12/30/98		not measured	not measured

Notes: Monitoring wells elevations are based upon the
City of Oakland Datum #16NW15
Recovery well elevations surveyed by W.A. Craig, 6/12/97.

Table 2
Groundwater Sample Analytical Data
1107 5th Street, Oakland California

Data measured in micrograms per liter

Sample	Date	ANALYTES (ug/L)							
		Diesel	TPH-g	MTBE	Benzene	Toluene	Ethyl-benzene	Xylenes	MTBE** EPA 8260
MW-1	11/04/96	220	ND	ND	ND	ND	ND	ND	NA
	03/05/97	230	ND	ND	ND	ND	ND	ND	NA
	06/12/97	290	ND	ND	ND	ND	ND	ND	NA
	09/09/97	180	ND	ND	ND	ND	ND	ND	NA
	02/13/98	590	ND	9.4	ND	ND	ND	ND	NA
	07/07/98	1400	ND	ND	ND	ND	ND	ND	2.7
	10/01/98	1100	ND	ND	ND	ND	ND	ND	1.8
	12/30/98	1700	ND	ND	ND	ND	ND	ND	2.3
MW-2	11/04/96	2700	910	470,000	120	23	3.5	51	NA
	03/05/97	2300	4400	760,000	1500	51	24	100	NA
	06/12/97	2400	3600	840,000	1200	14	12	40	NA
	09/09/97	970	3700	470,000	570	31	19	60	NA
	02/13/98	2200	6500	750,000	2400	31	ND	ND	NA
	07/07/98	2700	5200	950,000	2800	ND	ND	ND	1,000,000
	10/01/98	1200	1200	420,000	330	12	8.8	11	360,000
	12/30/98	1900	1000	370,000	96	ND	ND	ND	360,000
MW-3	11/04/96	310	ND	1,000	ND	ND	ND	ND	NA
	03/05/97	210	ND	13	ND	ND	ND	ND	NA
	06/12/97	94	ND	17	ND	ND	ND	ND	NA
	09/09/97	2300	ND	12	ND	ND	ND	ND	NA
	02/13/98	570	ND	14	ND	ND	ND	ND	NA
	07/07/98	1100	ND	7.8	ND	ND	ND	ND	6.6
	10/01/98	390	ND	9.2	ND	ND	ND	ND	4.8
	12/30/98	64	ND	6.9	ND	ND	ND	ND	4.5
RW-W	06/12/97	51000	27000	58000	4000	360	860	7200	NA
	09/09/97	NS	NS	NS	NS	NS	NS	NS	NA
RW-E	06/12/97	31000	31000	32000	1900	3100	250	12000	NA
	09/09/97	NS	NS	NS	NS	NS	NS	NS	NA
California MCL		None Listed	None Listed	40*	1	150	680	1750	

Notes:

NA = Not Analyzed

ND = Not detected at the laboratory reported limit of detection

NS = Not Sampled

MCL = Maximum Contaminant Level, Drinking Water Standards and Health Advisories Table, EPA document dated August, 1995.

*California Water Quality Goals-Organic Constituents, Human Health and Welfare, Marshak, September 1991.

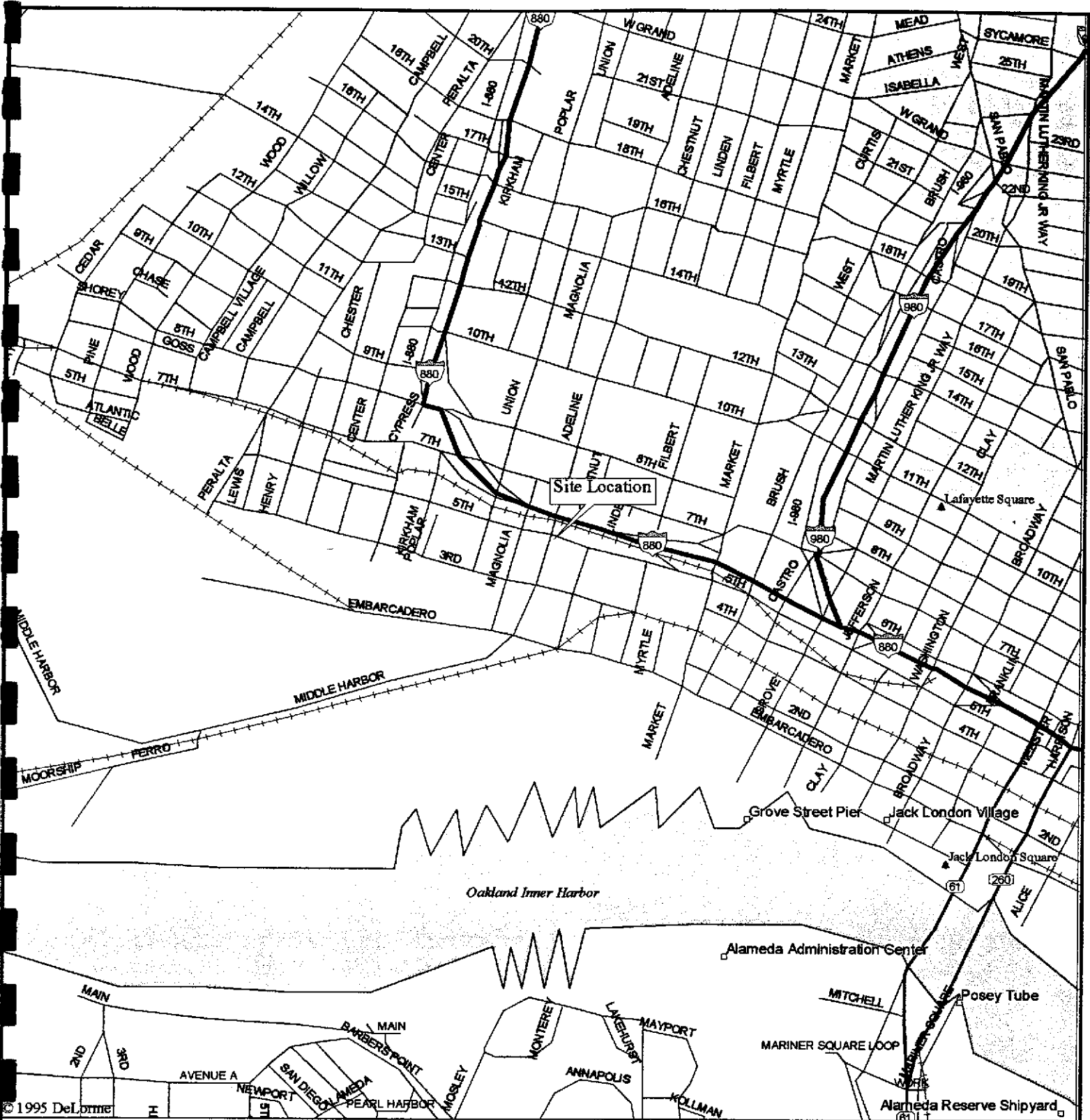
**Results of the 8260 found DIPE, ETBE, TAME, and tert-Butanol as Non-detected

TABLE 3
Product Recovery Summary
1107 5th Street
Oakland California

Recovery Well	Date	Personnel	Product Thickness / Volume				Observations & Comments
			Product Thickness (inches)	Amount Recovered	Recovered Product		
					(ounces)	(gallons)	
RW-W	03/07/97	R. Gentry	not measured	none	0	0.0	installed skimmer
	03/20/97	R. Gentry	not measured	none	0	0.0	repaired skimmer
	04/01/97	R. Gentry	0.2	full	47	0.4	
	04/25/97	G. Ratliff	0.2	full	94	0.7	
	04/29/97	G. Fiedler	0.2	full	141	1.1	
	04/30/97	G. Fiedler	0.2	half full	164	1.3	
	05/14/97	G. Fiedler	0.2	full	211	1.6	
	05/28/97	G. Fiedler	0.2	full	258	2.0	
	06/11/97	G. Fiedler	0.2	full	305	2.4	
	07/01/97	G. Fiedler	0.2	full	352	2.8	
	07/08/97	G. Fiedler	0.2	none	352	2.8	adjusted Skimmer
	07/14/97	K. Couch	0.2	full	399	3.1	normal skimmer operation
	07/23/97	G. Fiedler	0.2	full	446	3.5	
	09/09/97	J. Smith	0.2	full	493	3.9	
	09/19/97	J. Smith	0.1	full	540	4.2	
	10/21/97	J. Smith	not measured	3/4 full	575	4.5	
	02/04/98	W.Cerrito	not measured	full	622	4.9	normal
	03/12/98	W.Cerrito	0.2	full	669	5.2	emptied skimmer
	03/27/98	W.Cerrito	0.2	full	716	5.6	skimmer adjusted
	04/03/98	W.Cerrito	0.1	half full	740	5.8	skimmer adjusted
	04/16/98	W.Cerrito	0.1	full	787	6.1	skimmer cleaned
	04/24/98	W.Cerrito	0.1	half full	810	6.3	screen cleaned
	04/30/98	W.Cerrito	not measured	none	810	6.3	as above
	05/20/98	W.Cerrito	0	none	810	6.3	as above
	07/07/98	Henderson	0.1	none	810	6.3	skimmer adjusted
	10/01/98	Henderson	0.25	1.25 full	869	6.8	skimmer adjusted
	11/11/98	Henderson	0.25	full	916	7.2	skimmer adjusted
	11/18/98	Beebe	not measured	full	963	7.5	skimmer adjusted
	12/08/98	Beebe	not measured	full	1010	7.9	skimmer adjusted
	12/30/98	Beebe	0.2	full	1057	8.3	skimmer adjusted

TABLE 3
Product Recovery Summary
1107 5th Street
Oakland California

Recovery Well	Date	Personnel	Product Thickness / Volume				Observations & Comments
			Product	Amount	Recovered Product		
			Thickness	Recovered	(ounces)	(gallons)	
RW-E	03/07/97	R. Gentry	no product	none	0	0	no sheen- slight odor
	03/20/97	R. Gentry	not measured	none	0	0	as above
	04/01/97	R. Gentry	none	none	0	0	as above
	04/25/97	G. Ratliff	none	none	0	0	as above
	04/29/97	G. Fiedler	none	none	0	0	as above
	04/30/97	G. Fiedler	none	none	0	0	as above
	05/14/97	G. Fiedler	none	none	0	0	some blebs of product
	05/28/97	G. Fiedler	none	none	0	0	as above
	06/11/97	G. Fiedler	none	none	0	0	as above
	10/21/97	J. Smith	not measured	none	0	0	
	02/04/98	W. Cerrito	not measured	none	0	0	sheen and odor present
	03/12/98	W. Cerrito	not measured	none	0	0	as above
	03/27/98	W. Cerrito	not measured	none	0	0	blebs of product observed
	04/03/98	W. Cerrito	0.1 inches	none	0	0	as above
	04/16/98	W. Cerrito	not measured	none	0	0	as above
	04/24/98	W. Cerrito	0.1 inches	none	0	0	blebs of product observed
	04/30/98	W. Cerrito	not measured	none	0	0	as above
	05/20/98	W. Cerrito	not measured	none	0	0	as above
	07/07/98	Henderson	not measured	none	0	0	as above
	10/01/98	Henderson	0.2 inches	none	0	0	thick product observed
12/30/98	Beebe	0.2 inches	none	0	0	thick product observed	



Mag 15.00 Scale 1:15,625 (at center)
 Thu Jan 28 08:58 1999 1000 Feet

Project No: 3788

500 Meters

January, 1999

Site Location Map
 Rino Pacific
 1107 5th Street
 Oakland, California

Figure 1



Checked by:



W. A. Craig, Inc.

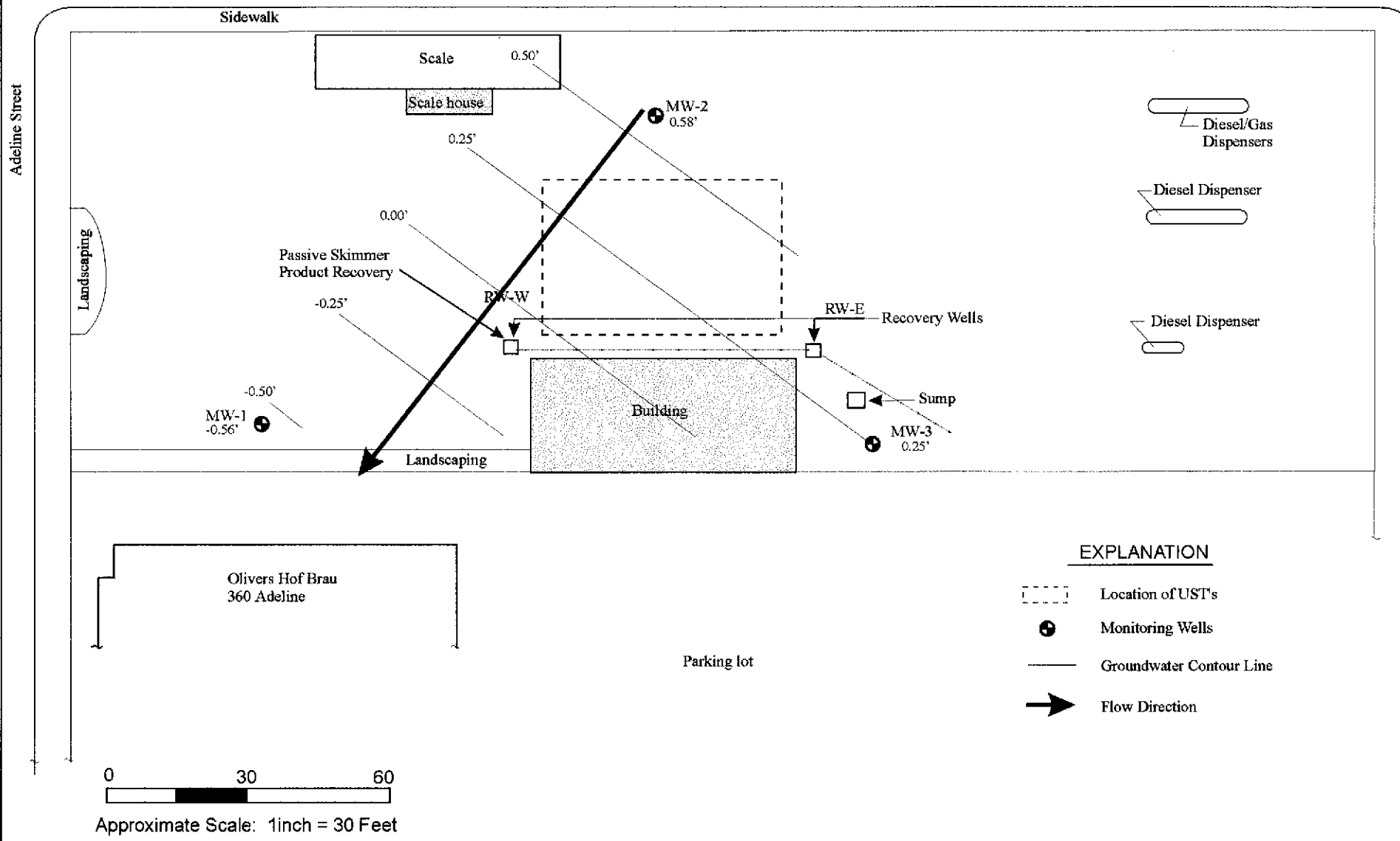
Environmental Contracting and Consulting

6940 Tremont Road
 Dixon, California 95620
 Cal License #455752

(707) 693-2929
 FAX (707) 693-2922



5th Street



Checked by:



W. A. Craig, Inc.
Environmental Contracting and Consulting

6940 Tremont Road
Dixon, California 95620
Cal License #455752

(707) 693-2929
FAX (707) 693-2922

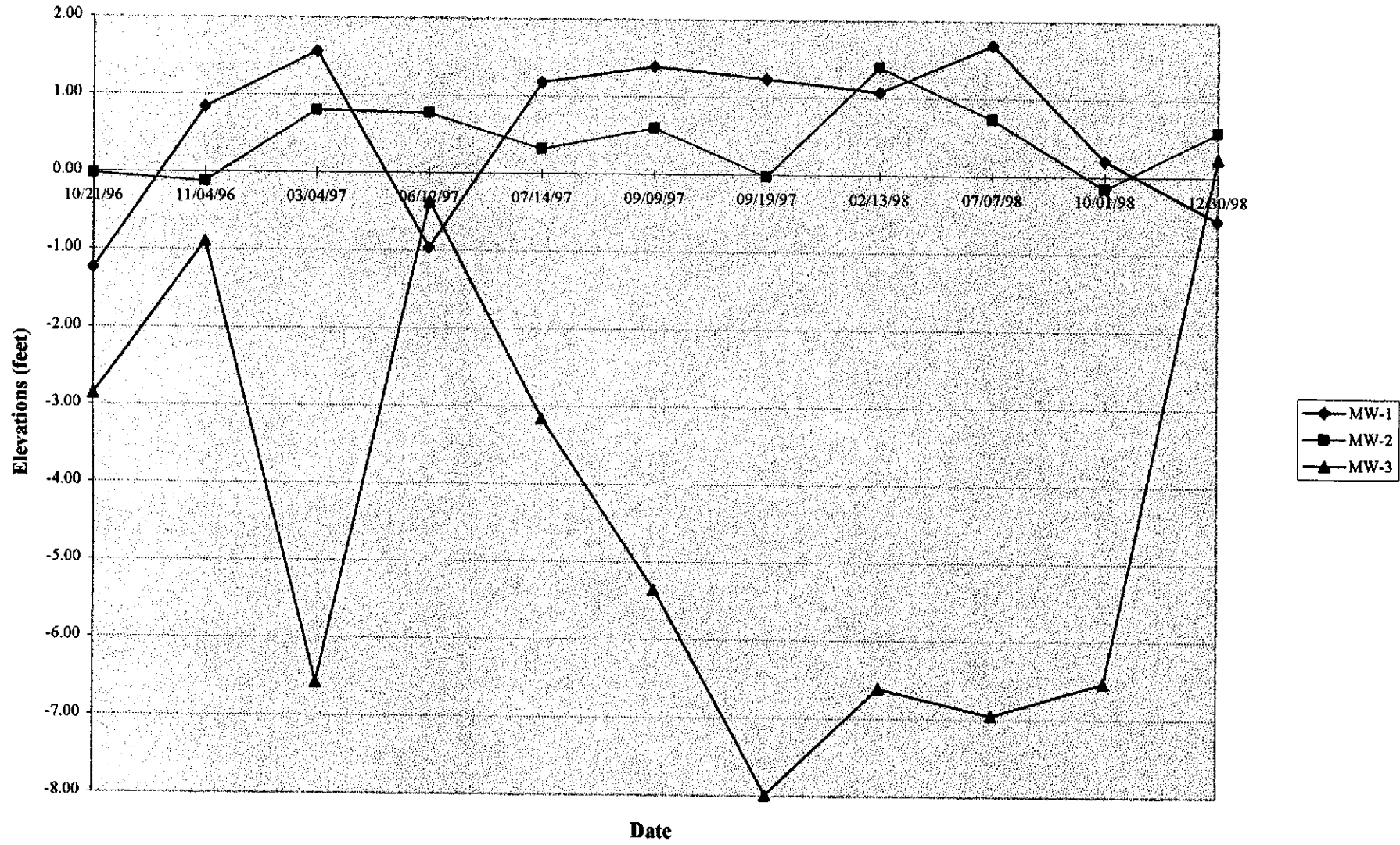
Project # 3628
January 1999

Site Plan
Rino Pacific
1107 5th Street
Oakland, CA

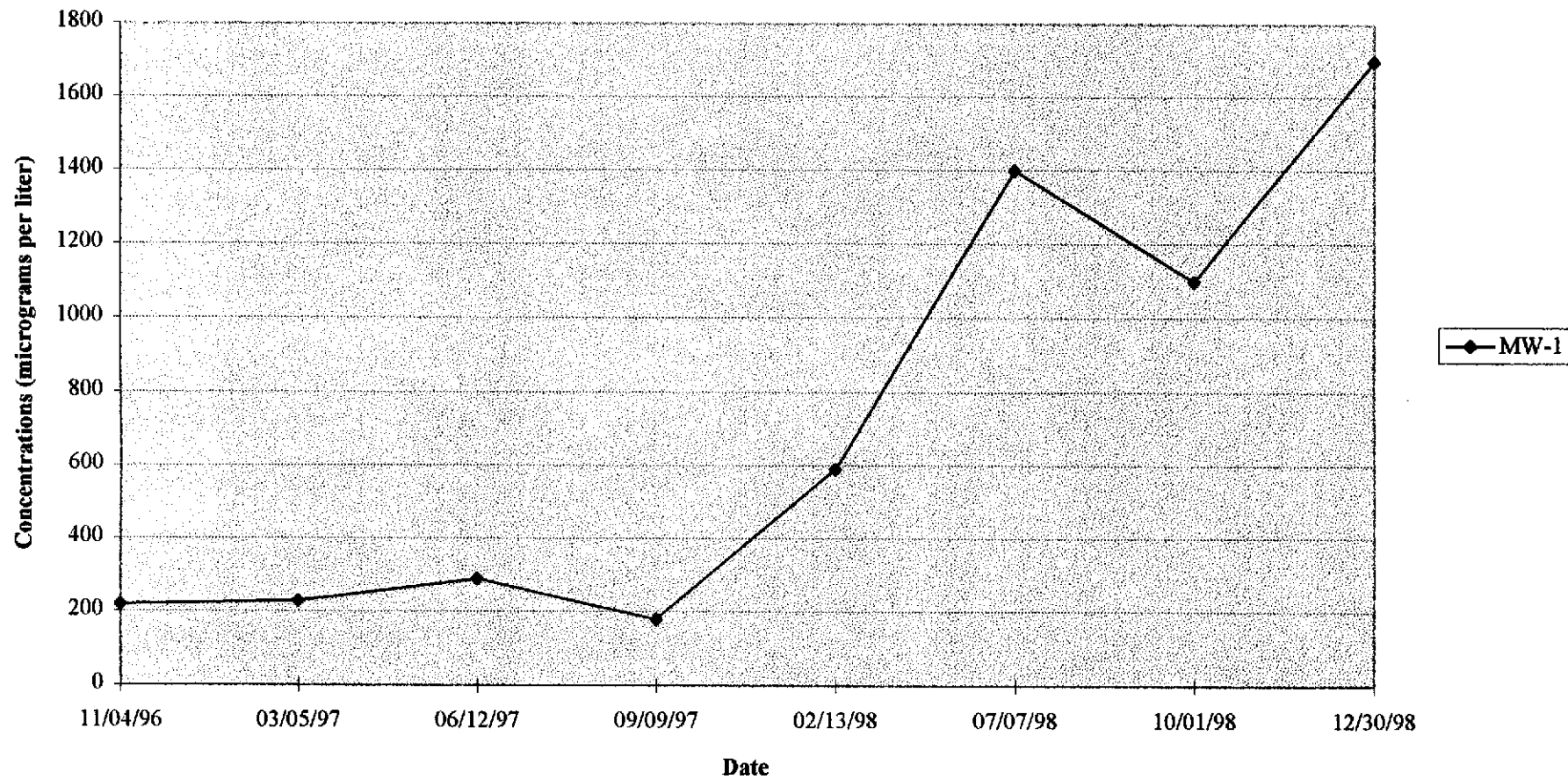
Figure 2

ATTACHMENT A
MONITORING WELL SAMPLING LOGS AND GRAPHS

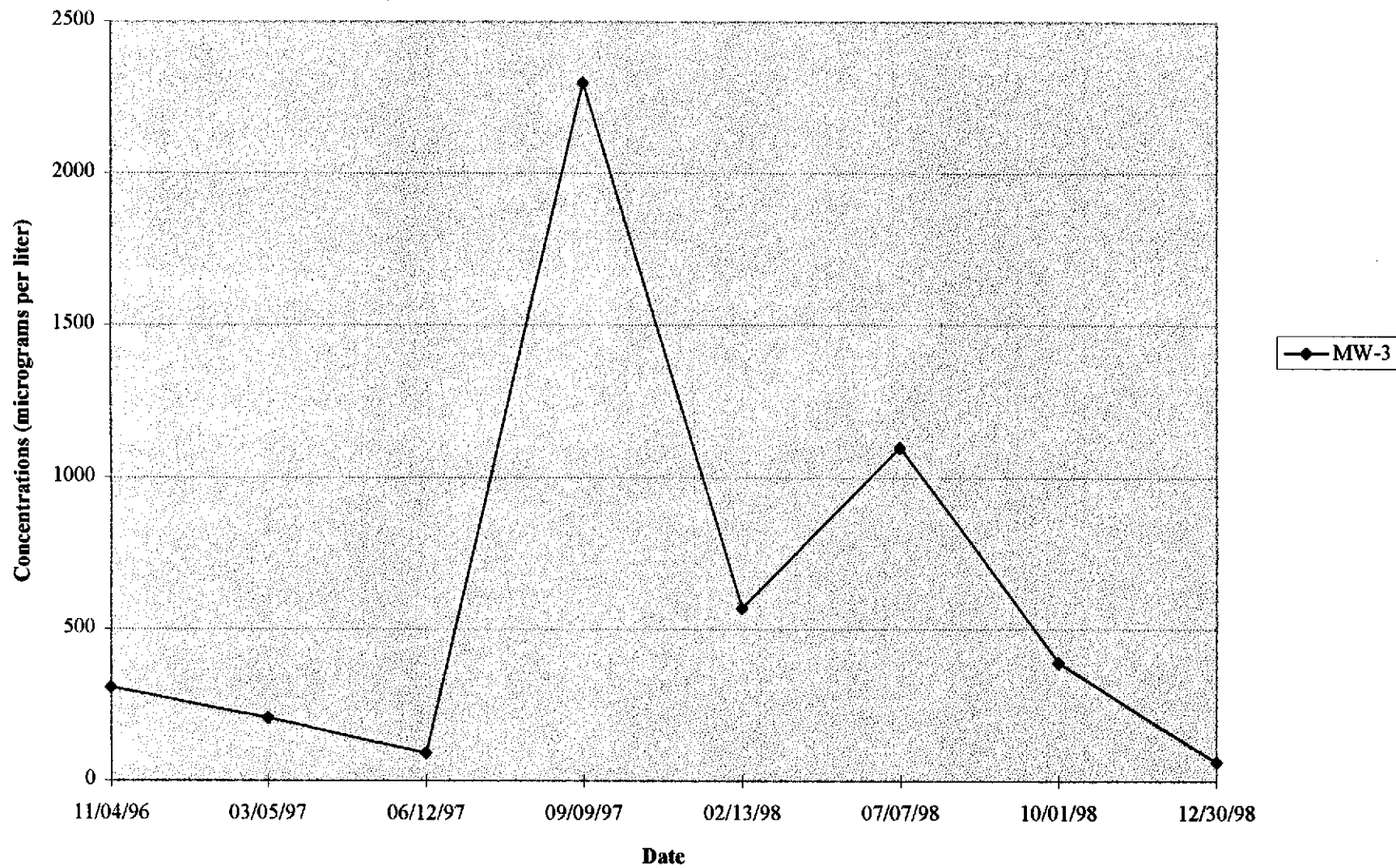
Monitoring Well Hydrographs



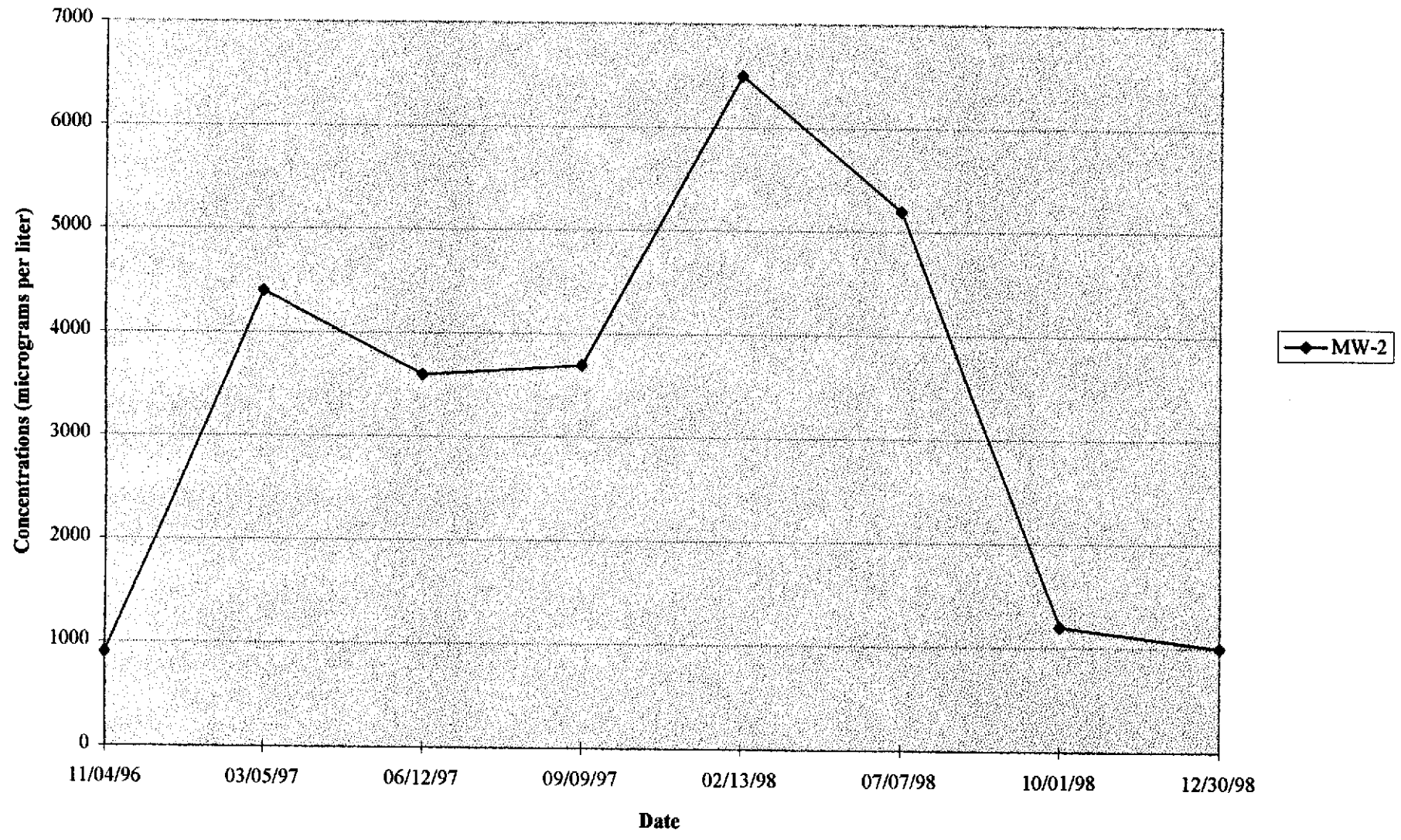
Diesel Concentrations in Monitoring Well 1



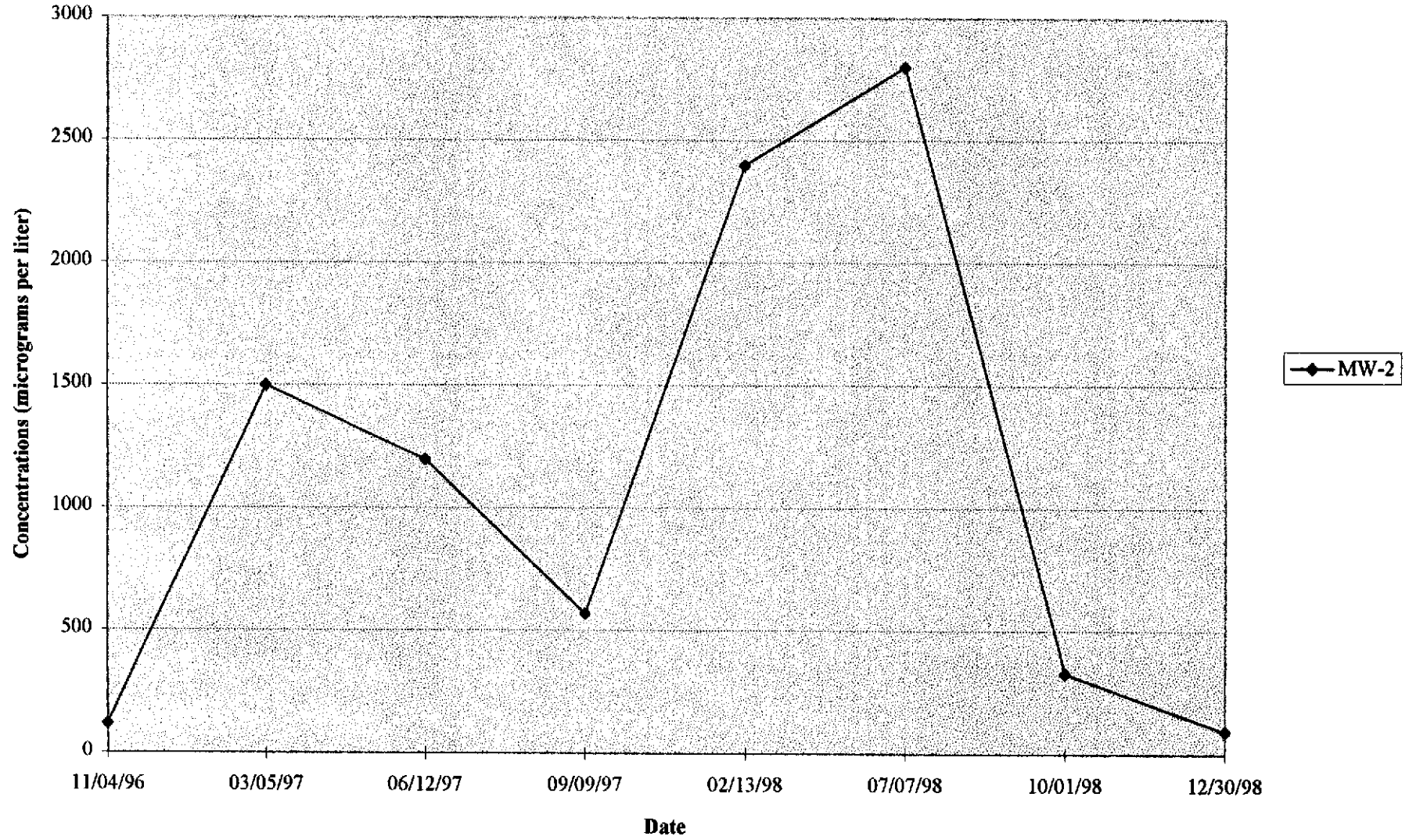
Diesel Concentrations in Monitoring Well 3



Gasoline Concentrations in Monitoring Well 2



Benzene Concentrations in Monitoring Well 2



CONTRACT
 CHANGE ORDER

W.A. CRAIG INC.
 DAILY JOB REPORT FORM

ARRIVAL TIME ON SITE: 13:00
 DEPARTURE TIME OFF SITE: 14:00
 DATE: 11/11/98
 SUN MON TUE WED THUR FRI SAT

JOB # _____ JOB NAME: Kinchard SUPERVISOR: Henderson
 WEATHER: CLEAR / CLOUDY / RAIN / HOT / WARM / COLD

DESCRIPTION OF CONTRACT WORK:

Work: MOBE Inspect and empty trap system in recovery well (RW)
 Observed large concentration of floating product. Trap system was full.
 Waited 30 minutes on site to observe rate of recovery on system.
 Measured floating product

2 hr min

PERSONEL ON SITE INITIALS													
TASKS	DESCRIPTION PER TASK	#S	HR	#S	HR	#S	HR	#S	HR	#S	HR	#S	HR
	<u>MOBE / DEMOBE</u>		<u>2.5</u>										
	<u>System Maintenance</u>		<u>1.0</u>										
GRAND TOTAL HOURS OF TASKS													

MATERIAL USED OR DELIVERED ON SITE	VENDER
<u>1 Disposable Boulder Job truck</u>	<u>WAC</u>

FULL NAMES OF PERSONNEL ON SITE		HOURS
<u>Henderson</u>		<u>1.0</u>

RENTAL EQUIPMENT ON SITE	VENDER
<u>/</u>	

SUB CONTRACTORS	TASK	HOURS
<u>/</u>		

QUANTITY	#	EQUIPMENT ON SITE	HRS
	<u>1</u>	<u>CASE BACKHOE</u>	
	<u>1</u>	<u>FORD BACKHOE</u>	
	<u>1</u>	<u>EXCAVATOR</u>	
	<u>1</u>	<u>FIAT LOADER</u>	
	<u>1</u>	<u>955 LOADER</u>	
	<u>1</u>	<u>SKIP LOADER</u>	
	<u>1</u>	<u>KW 10 WHEEL</u>	
	<u>1</u>	<u>END DUMP</u>	
	<u>1</u>	<u>TRANSFER</u>	
	<u>1</u>	<u>TRANSFER</u>	
	<u>1</u>	<u>TRANSPORT</u>	
	<u>1</u>	<u>COMPRESOR</u>	
	<u>1</u>	<u>PRESURE WASHER</u>	
	<u>1</u>	<u>JOB TRUCK</u>	
	<u>1</u>	<u>JOB TRUCK</u>	

- PERSONEL #S**
- 1 SUPERVISOR
 - 2 FOREPERSON
 - 3 TRADESPERSON
 - 4 EQUIPMENT OPER
 - 5 FIELD TECH
 - 6 GENERAL LABOR
- LIST DETAILS ON BACK**
- PROBLEM ON SITE
 - SITE FILE ON SITE
 - GREASED EQUIPMENT
 - VISITORS LISTED ON BACK
 - OWNER ON SITE
 - INSPECTOR ON SITE

YES	NO	UNITS	QUANTITY
		<u>EXCAVATED,</u>	
		<u>STOCKPILED</u>	
		<u>HAULED OFF</u>	
		<u>HAULED ON</u>	
		<u>SURFACE DEMO</u>	
		<u>RESURFACE</u>	
		<u>BACKFILLED</u>	
		<u>DEWATERED</u>	
		<u>BAKER/TANKS</u>	
		<u>FENCE PANELS</u>	
		<u>SAMPLES - SOIL</u>	
		<u>SAMPLES- WATER</u>	
		<u>P.P.E.</u>	
		<u>SHORING</u>	

CONTRACT
 CHANGE ORDER

W.A. CRAIG INC.
 DAILY JOB REPORT FORM

ARRIVAL TIME ON SITE: 9:30
 DEPARTURE TIME OFF SITE: 3:50
 DATE: 12-8-98

JOB # 3628 JOB NAME: PEINHART SUPERVISOR:

OTHER: CLEAR CLOUDY RAIN HOT WARM COLD SUN MON TUE WED THUR FRI SAT

DESCRIPTION OF CONTRACT WORK:

CLEANED SKIMMER IN HULL

PERSONEL ON SITE INITIALS

TASKS	DESCRIPTION PER TASK	E13									
		#S	HR	#S	HR	#S	HR	#S	HR	#S	HR
	CLEANED SKIMMER IN HULL	5	1.20								
TOTAL HOURS OF TASKS											

MATERIAL USED OR DELIVERED ON SITE

VENDER

FULL NAMES OF PERSONNEL ON SITE		HOURS
John Beale		1.20

EQUIPMENT ON SITE

VENDER

SUB CONTRACTORS	TASK	HOURS

IP #	EQUIPMENT ON SITE	HRS
604	CASE BACKHOE	
608	FORD BACKHOE	
701	EXCAVATOR	
607	FIAT LOADER	
702	955 LOADER	
602	SKIP LOADER	
101	KW 10 WHEEL	
100	END DUMP	
104	TRANSFER	
105	TRANSFER	
100	TRANSPORT	
500	COMPRESOR	
	PRESURE WASHER	
	JOB TRUCK	
	JOB TRUCK	

PERSONEL #S
 1 SUPERVISOR
 2 FOREPERSON
 3 TRADESPERSON
 4 EQUIPMENT OPER
 5 FIELD TECH
 6 GENERAL LABOR

LIST DETAILS ON BACK
 PROBLEM ON SITE
 SITE FILE ON SITE
 GREASED EQUIPMENT
 VISITORS LISTED ON BACK
 OWNER ON SITE
 INSPECTOR ON SITE

YES	NO	UNITS	QUANTITY
		EXCAVATED	
		STOCKPILED	
		HAULED OFF	
		HAULED ON	
		SURFACE DEMO	
		RESURFACE	
		BACKFILLED	
		DEWATERED	
		BAKER TANKS	
		FENCE PANELS	
		SAMPLES - SOIL	
		SAMPLES- WATER	
		P.P.E.	
		SHORING	

CONTRACT
 CHANGE ORDER

W.A. CRAIG INC.
 DAILY JOB REPORT FORM

ARRIVAL TIME ON SITE: 9:30
 DEPARTURE TIME OFF SITE: 2:30

DB# 5628 JOB NAME: Vineyard SUPERVISOR: DATE: 12-30-98

WEATHER: CLEAR / CLOUDY / RAIN / HOT / WARM / COLD SUN MON TUE WED THUR FRI SAT

DESCRIPTION OF CONTRACT WORK:

TRUCK TO MOVE TO JOB SITE IN OAKLAND. TOOK WATER SAMPLES BY PUMPING HELLS ONE, TWO, AND THREE. EMPTIED SUMMERS INTO WASTE DRUM. DROVE TO M^CCAMPBELL IN OAKLAND TO DROP OFF SAMPLES. RETURNED TO DIXON AND UNLOADED.

PERSONEL ON SITE INITIALS

TASKS	DESCRIPTION PER TASK	#S	HR	#S	HR	#S	HR	#S	HR	#S	HR
	TRUCK		.5								
	TOOK SAMPLES TO M ^C CAMPBELL		2.5								
	TOOK WATER SAMPLES AT JOB SITE		2.5								
	RETURN TO DIXON		1.5								
	UNLOADED TRUCK AND EQUIPMENT		.5								

ADD UP TOTAL HOURS OF TASKS

FULL NAMES OF

MATERIAL USED OR DELIVERED ON SITE	VENDER	PERSONNEL ON SITE	HOURS
TRUCK	WAC	SEAN REEZE	5.0
BUILDERS	WAC		
P.T.C.	WAC		
SOUNDER	WAC		

RENTAL EQUIPMENT ON SITE

VENDER

SUB CONTRACTORS TASK HOURS

RENTAL EQUIPMENT ON SITE	VENDER	SUB CONTRACTORS	TASK	HOURS

QUIP #	EQUIPMENT ON SITE	HRS
804	CASE BACKHOE	
803	FORD BACKHOE	
701	EXCAVATOR	
801	FIAT LOADER	
702	955 LOADER	
802	SKIP LOADER	
101	KW 10 WHEEL	
102	END DUMP	
104	TRANSFER	
105	TRANSFER	
103	TRANSPORT	
101	COMPRESOR	
	PRESURE WASHER	
	JOB TRUCK	
	JOB TRUCK	

- PERSONEL #S**
- 1 SUPERVISOR
 - 2 FOREPERSON
 - 3 TRADESPERSON
 - 4 EQUIPMENT OPER
 - 5 FIELD TECH
 - 6 GENERAL LABOR

LIST DETAILS ON BACK
 PROBLEM ON SITE
 SITE FILE ON SITE
 GREASED EQUIPMENT
 VISITORS LISTED ON BACK
 OWNER ON SITE
 INSPECTOR ON SITE

EXCAVATED	STOCKPILED	HAULED OFF	HAULED ON	SURFACE DEMO	RESURFACE	BACKFILLED	DEWATERED	BAKER TANKS	FENCE PANELS	SAMPLES - SOIL	SAMPLES - WATER	P.P.E.	SHORING
							YES	NO					

WELL DEVELOPMENT AND SAMPLING LOG

Project Name Sanford Job No. 3628 Date 12-30-98 Weather overcast
 Sampler S. B. B. B.

Well Data		Well Number <u>M.W. 1</u>	
Total Depth of Well <u>12'</u>	Casing Elevation _____	Depth to Water <u>7.40</u>	Groundwater Elevation _____
Method of Purging Well <u>Bailer</u>	Method of Sampling Well _____		
Casing Volume <u>2.18</u>	Volume Factors: 2"=0.166g/ft; 4"=0.653g/ft; 6"=1.47g/ft; 8"=2.61g/ft; 12"=5.88g/ft		
Depth to Water Prior to Sampling <u>3.72</u>	<u>7.5</u> <u>Feet</u>		

Field Parameters						
Time	Volume (gal)	Temperature	SP	pH	Turbidity	Comments (color/odor/sheen/product etc.)
	Begin purging well					
<u>10:30</u>	<u>1.0</u>	<u>62.8</u>	<u>4.18</u>	<u>7.01</u>	<u>VERY</u>	<u>YELLOW, SLIGHT ODOE</u>
<u>10:40</u>	<u>3.0</u>	<u>59.5</u>	<u>4.22</u>	<u>7.24</u>	<u>x</u>	<u>x x x</u>
<u>10:50</u>	<u>4.0</u>	<u>59.1</u>	<u>4.27</u>	<u>7.22</u>	<u>x</u>	<u>x x x</u>

Comments:
1. WELL UNDER PRESSURE

Well Data		Well Number <u>M.W. 2</u>	
Total Depth of Well <u>12.9</u>	Casing Elevation _____	Depth to Water <u>7.56</u>	Groundwater Elevation _____
Method of Purging Well <u>Bailer</u>	Method of Sampling Well _____		
Casing Volume <u>2.55</u>	Volume Factors: 2"=0.166g/ft; 4"=0.653g/ft; 6"=1.47g/ft; 8"=2.61g/ft; 12"=5.88g/ft		
Depth to Water Prior to Sampling _____	<u>7.5</u>		

Field Parameters						
Time	Volume (gal)	Temperature	SP	pH	Turbidity	Comments (color/odor/sheen/product etc.)
	Begin purging well					
<u>11:00</u>	<u>1.0</u>	<u>59.2</u>	<u>2.47</u>	<u>7.20</u>	<u>VERY</u>	<u>YELLOW COLOE SLIGHT ODOE</u>
<u>11:10</u>	<u>3.0</u>	<u>61.8</u>	<u>2.46</u>	<u>7.18</u>	<u>VERY</u>	<u>x x x x</u>
<u>11:20</u>	<u>7.5</u>	<u>60.7</u>	<u>2.49</u>	<u>7.17</u>	<u>VERY</u>	<u>x x x x</u>

Comments:

WELL DEVELOPMENT AND SAMPLING LOG

Project Name RICHARDT Job No. 3328 Date 12-30-98 Weather OVERCAST
 Sampler S. BEEBE

Well Data		Well Number <u>M.W. 3</u>	
Total Depth of Well <u>A-1</u>	Casing Elevation _____	Depth to Water <u>3.9</u>	Groundwater Elevation _____
Method of Purging Well <u>BALCK</u>	Method of Sampling Well _____		
Casing Volume <u>2.49</u>	Volume Factors: 2"=0.166g/ft; 4"=0.653g/ft; 6"=1.47g/ft; 8"=2.61g/ft; 12"=5.88g/ft		
Depth to Water Prior to Sampling _____	<u>7.5</u>		

Field Parameters						
Time	Volume (gal)	Temperature	SP	pH	Turbidity	Comments (color/odor/sheen/product etc.)
	Begin purging well					
<u>11:40</u>	<u>1.0</u>	<u>58.9</u>	<u>2.65</u>	<u>6.94</u>	<u>VERY</u>	<u>YELLOW COLOR, odor</u>
<u>11:50</u>	<u>3.0</u>	<u>61.1</u>	<u>2.75</u>	<u>7.09</u>	<u>r</u>	<u>x x x</u>
<u>12:05</u>	<u>2.5</u>	<u>61.1</u>	<u>3.03</u>	<u>7.14</u>	<u>r</u>	<u>x x x</u>

Comments: _____

Well Data		Well Number _____	
Total Depth of Well _____	Casing Elevation _____	Depth to Water _____	Groundwater Elevation _____
Method of Purging Well _____	Method of Sampling Well _____		
Casing Volume _____	Volume Factors: 2"=0.166g/ft; 4"=0.653g/ft; 6"=1.47g/ft; 8"=2.61g/ft; 12"=5.88g/ft		
Depth to Water Prior to Sampling _____			

Field Parameters						
Time	Volume (gal)	Temperature	SP	pH	Turbidity	Comments (color/odor/sheen/product etc.)
	Begin purging well					

Comments: _____

ATTACHMENT B
LABORATORY ANALYTICAL RESULTS

 McCAMPBELL ANALYTICAL INC.	110 Second Avenue South, #D7, Pacheco, CA 94553 Telephone : 925-798-1620 Fax : 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
	(Empty space for contact information)

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3628; Reinhardt	Date Sampled: 12/30/98
		Date Received: 12/30/98
	Client Contact: Tom Henderson	Date Extracted: 12/30/98
	Client P.O:	Date Analyzed: 12/31-01/02/99

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *
 EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d) ⁺	% Recovery Surrogate
01105	MW 1	W	1700,a	108
01106	MW 3	W	64,b	114
01107	MW 2	W	1900,a	109
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STLC / SFLP extracts in ug/L

* cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible shoen is present; i) liquid sample that contains greater than ~5 vol. % sediment.

 McCAMPBELL ANALYTICAL INC.	110 Second Avenue South, #D7, Pacheco, CA 94553 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
---	--

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3628; Reinhardt	Date Sampled: 12/30/98
	Client Contact: Tom Henderson	Date Received: 12/30/98
	Client P.O:	Date Extracted: 01/03/98
		Date Analyzed: 01/03/98

Oxygenated Volatile Organics By GC/MS
EPA method 8260 modified

Lab ID	01105	01106	01107	Reporting Limit	
Client ID	MW 1	MW 3	MW 2		
Matrix	W	W	W	S	W
Compound	Concentration*			ug/kg	ug/L
Di-isopropyl Ether (DIPE)	ND	ND	ND<5000	5.0	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	ND	ND<5000	5.0	1.0
Methyl-tert Butyl Ether (MTBE)	2.3	4.5	360,000	5.0	1.0
tert-Amyl Methyl Ether (TAME)	ND	ND	ND<5000	5.0	1.0
tert-Butanol	ND	ND	ND<25,000	25	5.0

Surrogate Recoveries (%)

Dibromofluoromethane	113	104	106	
Comments:				

* water samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in ug/L
 ND means not detected above the reporting limit; N/A means surrogate not applicable to this analysis
 (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than -5 vol. % sediment; (j) sample diluted due to high organic content

DHS Certification No. 1644

 Edward Hamilton, Lab Director

 MCCAMPBELL ANALYTICAL INC.	110 Second Avenue South, #D7, Pacheco, CA 94553 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
---	--

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3628; Reinhardt	Date Sampled: 12/30/98
	Client Contact: Tom Henderson	Date Received: 12/30/98
	Client P.O:	Date Extracted: 01/03-01/06/99
		Date Analyzed: 01/03-01/06/99


Volatile Organics By GC/MS

EPA method 8260			
Lab ID	01106		
Client ID	MW 3		
Matrix	W		
Compound	Concentration*	Compound	Concentration*
Acetone ^(b)	ND<10,000	Ethylbenzene	ND<5000
Benzene	ND<5000	Hexachlorobutadiene	ND<5000
Bromobenzene	ND<5000	Iodomethane	ND<5000
Bromochloromethane	ND<5000	Isopropylbenzene	ND<5000
Bromodichloromethane	ND<5000	p-Isopropyl toluene	ND<5000
Bromoform	ND<5000	Methyl butyl ketone ^(b)	ND<5000
Bromomethane	ND<5000	Methylene Chloride ^(b)	ND<10,000
n-Butyl benzene	ND<5000	Methyl ethyl ketone ^(b)	ND<5000
sec-Butyl benzene	ND<5000	Methyl isobutyl ketone ^(b)	ND<5000
tert-Butyl benzene	ND<5000	Methyl tert-Butyl Ether (MTBE)	—
Carbon Disulfide	ND<5000	Naphthalene	ND<5000
Carbon Tetrachloride	ND<5000	n-Propyl benzene	ND<5000
Chlorobenzene	ND<5000	Styrene ^(b)	ND<5000
Chloroethane	ND<5000	1,1,1,2-Tetrachloroethane	ND<5000
2-Chloroethyl Vinyl Ether ^(b)	ND<5000	1,1,2,2-Tetrachloroethane	ND<5000
Chloroform	ND<5000	Tetrachloroethene	ND<20,000
Chloromethane	ND<5000	Toluene ^(b)	ND<5000
2-Chlorotoluene	ND<5000	1,2,3-Trichlorobenzene	ND<5000
4-Chlorotoluene	ND<5000	1,2,4-Trichlorobenzene	ND<5000
Dibromochloromethane	ND<5000	1,1,1-Trichloroethane	ND<5000
1,2-Dibromo-3-chloropropane	ND<5000	1,1,2-Trichloroethane	ND<5000
Dibromomethane	ND<5000	Trichloroethene	ND<5000
1,2-Dichlorobenzene	ND<5000	Trichlorofluoromethane	ND<5000
1,3-Dichlorobenzene	ND<5000	1,2,3-Trichloropropane	ND<5000
1,4-Dichlorobenzene	ND<5000	1,2,4-Trimethylbenzene	ND<5000
Dichlorodifluoromethane	ND<5000	1,3,5-Trimethylbenzene	ND<5000
1,1-Dichloroethane	ND<5000	Vinyl Acetate ^(b)	ND<5000
1,2-Dichloroethane	ND<5000	Vinyl Chloride ^(b)	ND<5000
1,1-Dichloroethene	ND<5000	Xylenes, total ^(b)	ND<5000
cis-1,2-Dichloroethene	ND<5000		
trans-1,2-Dichloroethene	ND<5000		
1,2-Dichloropropane	ND<5000		
1,3-Dichloropropane	ND<5000		
2,2-Dichloropropane	ND<5000		
1,1-Dichloropropene	ND<5000	Comments: reporting limits raised due to high oxygenate content	
cis-1,3-Dichloropropene	ND<5000	Serragate Recoveries (%)	
trans-1,3-Dichloropropene	ND<5000	Dibromofluoromethane	106
Ethylene dibromide	ND<5000	Toluene-d8	88
		4-Bromofluorobenzene	86

*water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SFLP extracts in ug/L. Reporting limits unless otherwise stated: water samples 1.0 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis
 (b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) peaks present in this carbon range do not match the pattern of our standard for this analyte; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director

 MCCAMPBELL ANALYTICAL INC.	110 Second Avenue South, #D7, Pacheco, CA 94533 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com
	110 Second Avenue South, #D7, Pacheco, CA 94533 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: main@mccampbell.com

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3628; Reinhardt	Date Sampled: 12/30/98
	Client Contact: Tom Henderson	Date Received: 12/30/98
	Client P.O:	Date Extracted: 01/03/99
		Date Analyzed: 01/03/99

Volatile Organics By GC/MS

EPA method 8260

Compound	Concentration*	Compound	Concentration*
Acetone ^(b)	6.8	Ethylbenzene	ND
Benzene	ND	Hexachlorobutadiene	ND
Bromobenzene	ND	Iodomethane	ND
Bromochloromethane	ND	Isopropylbenzene	ND
Bromodichloromethane	ND	p-Isopropyl toluene	ND
Bromoform	ND	Methyl butyl ketone ^(b)	ND
Bromomethane	ND	Methylene Chloride ^(b)	ND
n-Butyl benzene	ND	Methyl ethyl ketone ^(b)	ND
sec-Butyl benzene	ND	Methyl isobutyl ketone ^(b)	ND
tert-Butyl benzene	ND	Methyl tert-Butyl Ether (MTBE)	ND
Carbon Disulfide	ND	Naphthalene	ND
Carbon Tetrachloride	ND	n-Propyl benzene	ND
Chlorobenzene	ND	Styrene ^(b)	ND
Chloroethane	ND	1,1,1,2-Tetrachloroethane	ND
2-Chloroethyl Vinyl Ether ^(b)	ND	1,1,2,2-Tetrachloroethane	ND
Chloroform	ND	Tetrachloroethene	ND
Chloromethane	ND	Toluene ^(b)	ND
2-Chlorotoluene	ND	1,2,3-Trichlorobenzene	ND
4-Chlorotoluene	ND	1,2,4-Trichlorobenzene	ND
Dibromochloromethane	ND	1,1,1-Trichloroethane	ND
1,2-Dibromo-3-chloropropane	ND	1,1,2-Trichloroethane	ND
Dibromomethane	ND	Trichloroethene	ND
1,2-Dichlorobenzene	ND	Trichlorofluoromethane	ND
1,3-Dichlorobenzene	ND	1,2,3-Trichloropropane	ND
1,4-Dichlorobenzene	ND	1,2,4-Trimethylbenzene	ND
Dichlorodifluoromethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethane	ND	Vinyl Acetate ^(b)	ND
1,2-Dichloroethane	ND	Vinyl Chloride ^(b)	ND
1,1-Dichloroethene	ND	Xylenes, total ^(b)	ND
cis-1,2-Dichloroethene	ND		
trans-1,2-Dichloroethene	ND		
1,2-Dichloropropane	ND		
1,3-Dichloropropane	ND		
2,2-Dichloropropane	ND		
1,1-Dichloropropene	ND	Comments: reporting limits raised due to high oxygenate content	
cis-1,3-Dichloropropene	ND	Surrogate Recoveries (%)	
trans-1,3-Dichloropropene	ND	Dibromodifluoromethane	104
Ethylene dibromide	ND	Toluene-d8	94
		4-Bromofluorobenzene	94

* water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L. Reporting limits unless otherwise stated: water samples 1.0 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analysis not applicable to this analysis
 (b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethane; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible steam is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) peaks present in this carbon range do not match the pattern of our standard for this analyte; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethene; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director



McCAMPBELL ANALYTICAL INC.

110 Second Avenue South, #D7, Pacheco, CA 94553
 Telephone: 925-798-1620 Fax: 925-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

W. A. Craig, Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #3628; Rcinhardt	Date Sampled: 12/30/98
	Client Contact: Tom Henderson	Date Received: 12/30/98
	Client P.O.:	Date Extracted: 01/03-01/06/99
		Date Analyzed: 01/03-01/06/99

Volatile Organics By GC/MS

LPA method 8260

Lab ID	01105
Client ID	MW 1
Matrix	W

Compound	Concentration*	Compound	Concentration*
Acetone ^(b)	22	Ethylbenzene	ND
Benzene	ND	Hexachlorobutadiene	ND
Bromobenzene	ND	Iodomethane	ND
Bromochloromethane	ND	Isopropylbenzene	ND
Bromodichloromethane	ND	p-Isopropyl toluene	ND
Bromoform	ND	Methyl butyl ketone ^(b)	ND
Bromomethane	ND	Methylene Chloride ^(b)	ND
n-Butyl benzene	ND	Methyl ethyl ketone ^(b)	ND
sec-Butyl benzene	ND	Methyl isobutyl ketone ^(b)	ND
tert-Butyl benzene	ND	Methyl tert-Butyl Ether (MTBE)	—
Carbon Disulfide	ND	Naphthalene	ND
Carbon Tetrachloride	ND	n-Propyl benzene	ND
Chlorobenzene	ND	Styrene ^(b)	ND
Chloromethane	ND	1,1,1,2-Tetrachloroethane	ND
2-Chloroethyl Vinyl Ether ^(j)	ND	1,1,2,2-Tetrachloroethane	ND
Chloroform	ND	Tetrachloroethene	ND
Chloromethane	ND	Toluene ^(b)	ND
2-Chlorotoluene	ND	1,2,3-Trichlorobenzene	ND
4-Chlorotoluene	ND	1,2,4-Trichlorobenzene	ND
Dibromochloromethane	ND	1,1,1-Trichloroethane	ND
1,2-Dibromo-3-chloropropane	ND	1,1,2-Trichloroethane	ND
Dibromomethane	ND	Trichloroethene	ND
1,2-Dichlorobenzene	ND	Trichlorofluoromethane	ND
1,3-Dichlorobenzene	ND	1,2,3-Trichloropropane	ND
1,4-Dichlorobenzene	ND	1,2,4-Trimethylbenzene	ND
Dichlorodifluoromethane	ND	1,3,5-Trimethylbenzene	ND
1,1-Dichloroethane	ND	Vinyl Acetate ^(b)	ND
1,2-Dichloroethane	ND	Vinyl Chloride ^(b)	ND
1,1-Dichloroethene	ND	Xylenes, total ^(b)	ND
cis-1,2-Dichloroethene	ND		
trans-1,2-Dichloroethene	ND		
1,2-Dichloropropane	ND		
1,3-Dichloropropane	ND		
2,2-Dichloropropane	ND		
1,1-Dichloropropene	ND		
cis-1,3-Dichloropropene	ND		
trans-1,3-Dichloropropene	ND		
Ethylene dibromide	ND		
		Comments:	
		Surrogate Recoveries (%)	
		Dibromofluoromethane	113
		Toluene-d8	90
		4-Bromofluorobenzene	89

* water and vapor samples are reported in ug/L, soil and sludge samples in ug/kg, wipes in ug/wipe and all TCLP / SPLP extracts in ug/L
 Reporting limits unless otherwise stated: water samples 1.0 ug/L; vapor samples 0.5 ug/L; solid and sludge samples 5 ug/kg; wipes 0.2ug/wipe ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis
 (b) 2-propanone or dimethyl ketone; (c) (2-chloroethoxy) ethene; (d) 2-hexanone; (e) dichloromethane; (f) 2-butanone; (g) 4-methyl-2-pentanone or isopropylacetone; (h) lighter than water immiscible sheet is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content; (k) peaks present in this carbon range do not match the pattern of our standard for this analyte; (l) methylbenzene; (m) acetic acid ethenyl ester; (n) chloroethane; (o) dimethylbenzenes.

DHS Certification No. 1644

Edward Hamilton, Lab Director