

W. A. CRAIG, INC

Environmental Consulting & Contracting

P. O. Box 448

Napa, California 94559-0448

Contractor and Hazardous Substances License #455752

Cal/OSHA Statewide Annual Excavation Permit 556208

(800) 522-7244

Berkeley (510) 525-2780

Fax: (707)-252-3385

Napa (707) 252-3353

FAX TRANSMITTAL SHEET

DATE: 3/14/97
TO: JENNIFER COVILE
COMPANY: ALAMEDA CO.
FAX #: (510) 337-9335
FROM: JEFF FROELICH

TOTAL # PAGES: 8 (INCLUDING COVER PAGE)

HARD COPY TO FOLLOW: YES () NO (X)

MESSAGE: F.Y.E. STORMING AND GROUNDWATER SAMPLE ANALYTICAL RESULTS. 1107 5TH STREET, OAKLAND. STEEL ANALYSIS FOR LEAD DETECTED IN THE STORMING IS IN PROGRESS. WE SHOULD HAVE THE MONITORING REPORT OUT IN 1-2 WEEKS.

Jeff

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W. A. CRAIG, INC.

CHAIN-OF-CUSTODY RECORD

Paid # 10576

8214AWACT34

PROJECT NO. 3628		PROJECT NAME Rinehart		MATRIX: Soil, Water, Air, Sludge, Other	ANALYSIS						REMARKS	LABORATORY I. D. NUMBER
PURCHASE ORDER NO.		SIGNATURE OF SAMPLED Russell Gust			TPH/gasoline (8015)	BTEX (802/8020)	TPH/diesel (8015)	TPH & BTEX (702)	OTHER	Preserved?		
DATE 1997	TIME	W. A. CRAIG, INC.'S SAMPLE IDENTIFICATION										
3/7	10:08	SP (3pt composite)		S		✓	✓			ICE		
										14		
										3/10/97	74168	

ICE? GOOD CONDITION HEAD SPACE ABSENT PRESERVATIVE APPROPRIATE CONTAINERS NMS / O&G / METALS / OTHER

RELINQUISHED BY (Signature) Russell Gust	DATE/TIME 3/7/97 1330	RECEIVED BY (Signature) Nikki Quinn	LABORATORY: McCampbell Analytical	PLEASE SEND RESULTS TO: W. A. CRAIG, INC. P.O. BOX 448 NAPA, CA 94559-0448 (707) 252-3353	
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)			TURNAROUND TIME: 5-day
RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)			

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03-12-1997 08:03PM FR McCampbell Analytical Inc TO 17072523355 P.01

McCAMPBELL ANALYTICAL INC.	110 2nd Avenue South, #D7, Pacheco, CA 94553 Tele: 510-798-1620 Fax: 510-798-1622
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W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559-0448	Client Project ID: # 3628; Rinehart	Date Sampled: 03/07/97
		Date Received: 03/07/97
	Client Contact: Geoff Fiedler	Date Extracted: 03/07/97
	Client P.O:	Date Analyzed: 03/07/97

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*
EPA methods 8030, modified 8015, and 8020 or 602; California RWOCB (SF Bay Region) method QCFID(8030)

Lab ID	Client ID	Matrix	TPH(g) ^a	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
74168	SP	S	2.8g	ND	0.028	0.12	0.020	0.23	99
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L	5.0	0.5	0.5	0.5	0.5	0.5	
	S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	0.005	

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

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; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559-0448	Client Project ID: # 3628; Rinehart	Date Sampled: 03/07/97
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	Client Contact: Geoff Fiedler	Date Extracted: 03/07/97
	Client P.O:	Date Analyzed: 03/07/97

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWOCB (SF Bay Region) method GC/FID(3550) or GC/FID(3510)

Lab ID	Client ID	Matrix	TPH(d)*	% Recovery Surrogate
74168	SP	S	220, a	103
Reporting Limit unless other- wise stated; ND means not de- tected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

* water samples are reported in ug/L, soil and sludge samples in mg/kg, and all TCLP and STLC extracts in mg/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 sheen is present; i) liquid sample

DHS Certification No. 1644

114 Edward Hamilton, Lab Director

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W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559-0448	Client Project ID: # 3628; Rinehart	Date Sampled: 03/07/97
		Date Received: 03/07/97
	Client Contact: Geoff Fiedler	Date Extracted: 03/07/97
	Client P.O:	Date Analyzed: 03/07/97

LUFT Metals
EPA analytical methods 6010/3007, 239.2*

Lab ID	Client ID	Matrix	Extraction ^o	Cadmium	Chromium	Lead	Nickel	Zinc	% Rec. Surrogate
74168	SP	S	TTLIC	ND	32	86	31	71	102
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLIC	0.5 mg/kg	0.5	3.0	2.0	1.0		
	W	TTLIC	0.005 mg/L	0.005	0.005	0.05	0.05		
	—	STLC,TCLP	0.01 mg/L	0.05	0.2	0.05	0.05		

* soil samples and sludge are reported in mg/kg, and water samples and all STLC & TCLP extracts in mg/L
 ° Lead is analyzed using EPA method 6010 (ICP) for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples.
 ° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLIC), 3040(organic matrices,TTLIC), 3050(solids,TTLIC); STLC from CA Title 22
 ° surrogate diluted out of range; N/A means surrogate not applicable to this analysis
 ° reporting limit raised due matrix interference
 i) liquid sample that contains greater than ~ 2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and are significantly effect reported metal concentrations.

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W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559-0448	Client Project ID: 1107 5th Street	Date Sampled: 03/05/97
	Client Contact: Geoff Fiedler	Date Received: 03/05/97
	Client P.O.:	Date Extracted: 03/05/97
		Date Analyzed: 03/05/97

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *
 EPA methods modified 8015, and 3550 or 3510; California RWOCB (SF Bay Region) method GCFID(3530) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d)*	% Recovery Surrogate
74053	MW-1	W	230,b	105
74054	MW-2	W	2300,a,d	99
74055	MW-3	W	210,b	99
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		W	50 ug/L	
		S	1.0 mg/kg	

* water samples are reported in ug/L, soil and sludge samples in mg/kg, and all TCLP and STLC extracts in mg/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 sheen is present; i) liquid sample that contains greater than ~ 5 vol. % sediment.

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W.A. Craig, Inc. P.O. Box 448 Napa, CA 94559-0448	Client Project ID: 1107 5th Street	Date Sampled: 03/05/97
	Client Contact: Geoff Fiedler	Date Received: 03/05/97
	Client P.O.:	Date Extracted: 03/05-03/06/97
		Date Analyzed: 03/05-03/06/97

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*
 EPA methods 5030, modified 8015, and 8020 or 602; California RWOCB (SF Bay Region) method GCFID (3030)

Lab ID	Client ID	Matrix	TPH(g) ⁺	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
74053	MW-1	W	ND	ND	ND	ND	ND	ND	102
74054	MW-2	W	4400,a	760,000	1500	51	24	100	110*
74055	MW-3	W	ND	13	ND	ND	ND	ND	100
74056	TB1	W	--	--	ND	ND	ND	ND	102
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L	5.0	0.5	0.5	0.5	0.5	0.5	
	S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	0.005	

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

* 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; i) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644 *ed* Edward Hamilton, Lab Director

W. A. CRAIG, INC.

CHAIN-OF-CUSTODY RECORD

8189 AWAC733

P 08

PROJECT NO.		PROJECT NAME		MATRIX: Soil, Water, Air, Sludge, Other	ANALYSIS							REMARKS	LABORATORY I. D. NUMBER
PURCHASE ORDER NO.		MEASURE OF SAMPLER			TPHgasoline (8015)	BTEX (802/8020)	TPHdiesel (8015)	TPHg & BTEX	APSE				
DATE	TIME	W. A. CRAIG, INC.'S SAMPLE IDENTIFICATION											
3/5	0825	MAN-1		Water			X	X	X			74053	
	0910	MAN-2		↓			X	X	X			74054	
	0748	MAN-3		↓			X	X	X			74055	
3/5	0700	TBI		↓	X							74056	
				VOID (LONG DIMENSION)									
KEIT <input checked="" type="checkbox"/> GOOD CONDITION HEADSPACE ABSENT <input checked="" type="checkbox"/> PRESERVATIVE APPROPRIATE CONTAINERS <input checked="" type="checkbox"/>													

RELINQUISHED BY (Signature): *A. Bice*

DATE/TIME: 3/5/97 9:20

RECEIVED BY (Signature): *David Stein*

LABORATORY: MA7

PLEASE SEND RESULTS TO:
W. A. CRAIG, INC.
P.O. BOX 448
NAPA, CA 94559-0448
(707) 252-3353

RELINQUISHED BY (Signature):

DATE/TIME:

RECEIVED BY (Signature):

TURNAROUND TIME: 5 DAY

ATTN: G. Frenkel