



W. A. CRAIG, INC.

Environmental Contracting and Consulting

6940 Tremont Road

Dixon, California 95620

Contractor and Hazardous Substances License #456752

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FAX TRANSMITTAL

Date: 2/27/03 4:52 PM

To: Leroy Griffin

Company: City of Oakland Fire Prevention Bureau

Fax #: 510-238-7761

Phone # 510-238-7759

From: Peter Maloney

Total Pages: 18 (Including Cover Page)

MACP

0302007

McCAMPBELL ANALYTICAL INC.
 110 2ND AVENUE SOUTH, #D7
 PACHICO, CA 94553-1560
 Telephone (925) 798-1620 Fax: (925) 798-1622
 Report To: *Peter Maloney* Bill To: *W.A. Craig, Inc.*
 Company: *W.A. Craig, Inc.*
 E-mail: *tech@wacraig.com*
 Tele: *707-693-2929* Fax: *707-693-2922*
 Project #: *4104* Project Name:
 Project Location: *829 54 Ave Oakland, CA*
 Sampler Signature: *Peter Maloney*

CHAIN OF CUSTODY RECORD
 TURN AROUND TIME: RUSH 24 HOUR 48 HOUR 5 DAY
 EDF Required? Yes No

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED							
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	Other				
W01	<i>Bottom of White Tank</i>	<i>2/7/03</i>	<i>10:30</i>		<i>Base Tank</i>	X					X							
F01	<i>Fuel tank Bottom</i>		<i>10:45</i>			X					X							
F02			<i>10:45</i>			X					X							
F03			<i>11:20</i>			X					X							
F04			<i>11:25</i>			X					X							
F05			<i>13:15</i>			X					X							
F06			<i>13:15</i>			X					X							
SP 1-4	<i>Spills Area Composite</i>		<i>14:30</i>			X					X							
SP 2-4			<i>14:30</i>			X					X							
SP 3-4			<i>14:30</i>				X				X							
SP 4-4			<i>14:30</i>				X					X						

Analysis Request												Other	Comments			
STEX as TPH as Gas (802820 - 8015) MTEB	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 2&F/8&F)	Total Petroleum Hydrocarbons (4111)	EPA 601 / 8010	STEX ONLY (EPA 602 / 8020)	EPA 808 / 8080	EPA 808 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LPT-5 Metals	Lead (7240/7412/739 2/6010)	RCI		
X	X	X	X	X	X	X	X	X	X	X	X	X	X			

Relinquished By: *Peter Maloney* Date: *2-7-03* Time: *14:40* Received By: *Neil Rodger*
 Relinquished By: *Neil Rodger* Date: *2-7-03* Time: *3:20* Received By: *Neil Valle*
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____

Remarks:
 KHP PRESERVATION
 GOOD CONDITION APPROPRIATE CONTAINERS
 HEAD SPACE ABSENT PRESERVED IN LAB

		110 2nd Avenue South, #077, Pacheco, CA 94533-5500 Telephone: 925-798-1620 Fax: 925-798-1632 http://www.mcccampbell.com E-mail: main@mcccampbell.com	
W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4104		Date Sampled: 02/07/03
	Client Contact: Peter Maloney		Date Received: 02/07/03
	Client P.O.:		Date Extracted: 02/07/03
			Date Analyzed: 02/07/03-02/11/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW34000

Analytical method: SW8021B/8013Cm

Work Order: 0302087

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	W01	S	300 _a	ND<2.0	1.5	1.1	0.60	1.2	40	117
002A	F01	S	730 _a	ND<2.0	6.7	1.0	1.1	1.8	40	107
003A	F02	S	1600 _a	ND<10	11	3.7	30	5.6	200	95.6
004A	F03	S	590 _a	ND<10	3.8	2.2	1.1	6.1	200	113
005A	F04	S	150 _a	ND<2.0	2.1	0.32	4.0	0.63	40	114
006A	F05	S	840 _a	ND<2.0	5.6	2.9	1.8	2.1	40	92.5
007A	F06	S	490 _a	ND<2.0	4.0	0.49	1.4	1.6	40	111
008A	SP1-4-SP4-4	S	150 _u	ND<0.50	0.12	0.28	0.24	1.5	10	110

Reporting Limit for DF=1: ND means not detected or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	0.005	1	mg/Kg

*water and vapor samples are reported in µg/l, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/l.


clustered chromatogram; sample peak coelutes with surrogate peak.

-The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell 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 (standard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas); m) no recognizable pattern.

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STLC ordered on Lead for Stockpile Composite.

Angelina Rydelius, Lab Manager

 McC Campbell Analytical Inc.		110 2nd Avenue South, #D7, Redwood, CA 94573-5560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mcccampbell.com E-mail: msa@mcccampbell.com	
W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4104	Date Sampled: 02/07/03	
	Client Contact: Peter Maloney	Date Received: 02/07/03	
	Client P.O.:	Date Extracted: 02/07/03	
		Date Analyzed: 02/08/03	

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

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0302087-001A	W01	S	54,d,g	1	107
0302087-002A	F01	S	240,d,g	1	105
0302087-003A	F02	S	290,d,g	1	105
0302087-004A	F03	S	130,d,g	1	104
0302087-006A	F05	S	200,d	5	94.6
0302087-007A	F06	S	64,d	1	106
0302087-008A	SPI-4-SP4-4	S	170,n,g	5	90.2

Reporting Limit for DF=1: ND means not detected at or above the reporting limit	W S	NA 1.0	NA mg/Kg
---------------------------------------------------------------------------------------	--------	-----------	-------------

* water and vapor samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sediment samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP/SITC/SPLP extracts in µg/L.

clustered chromatogram resulting in elevated 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 customary in nature and McC Campbell 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) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) standard solvents / mineral spirit.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager

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W. A. Craig Inc.
 6940 Tremont Road
 Dixon, CA 95620-9603

Client Project ID: #4104
Date Sampled: 02/07/03
Date Received: 02/07/03
Client Contact: Peter Maloney
Date Extracted: 02/07/03
Client P.O.:
Date Analyzed: 02/09/03-02/12/03

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW8550C

Analytical Method: SW8270D

Work Order: 0312067

Lab ID: 0302087-001A
 Client ID: W01
 Matrix: Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	0.33	Acenaphthylene	ND	1.0	0.33
Anthracene	ND	1.0	0.33	Benzo(a)anthracene	ND	1.0	1.6
Benzoic Acid	ND	1.0	1.6	Benzo(a)fluoranthene	ND	1.0	0.33
Benzo(b)fluoranthene	ND	1.0	0.33	Benzo(a)pyrene	ND	1.0	0.33
Benzo(g,h)perylene	ND	1.0	0.33	Bis(2-chloroethoxy) Methane	ND	1.0	0.33
Benzyl Alcohol	ND	1.0	0.66	Bis(2-chloroisopropyl) Ether	ND	1.0	0.33
Bis(2-chloroethyl) Ether	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Bis(2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
Butylbenzyl Phthalate	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
4-Chloro-3-methylphenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	Dibenz(a,h)anthracene	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	1,3-Dichlorobenzene	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,4-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,3-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	0.33
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloromethane	ND	1.0	0.33
Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	1.0	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	0.83	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	2-Nitrophenol	ND	1.0	1.6
4-Nitrophenol	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodipropylamine	ND	1.0	0.33
Pentachlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)

%SS1:	102	%SS2:	89.0
%SS3:	98.3	%SS4:	102
%SS5:	92.9	%SS6:	94.8

Comments:
 * water and vapor samples and all TCLP & SPLP extracts are reported in µg/l, soil/sediment/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.
 ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.
 # surrogate diluted out of range; &) low or no surrogate due to matrix interference.
 h) lighter than water immiscible phase/product is present; l) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content.

DHS Certification No. 1644

Angela Rydelius
 Angela Rydelius, Lab Manager

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W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603		Client Project ID: #4104	Date Sampled: 02/07/03
		Client Contact: Peter Maloney	Date Received: 02/07/03
		Client P.O.:	Date Extracted: 02/07/03
		Date Analyzed: 02/09/03-02/12/03	

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3550C	Analytical Method: SW8270D	Work Order: 0302087
Lub ID	0302087-008A	
Client ID	SP1-4-SP4-4	
Matrix	Soil	

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Aceonaphthylene	ND	1.0	0.33	Aceonaphthylene	ND	1.0	0.33
Anthracene	ND	1.0	0.33	Benazidine	ND	1.0	1.6
Benzoic Acid	ND	1.0	1.5	Benzo(a)anthracene	ND	1.0	0.33
Benzo(b)fluoranthene	ND	1.0	0.33	Benzo(k)fluoranthene	ND	1.0	0.33
Benzo(g,h,i)perylene	ND	1.0	0.33	Benzo(a)pyrene	ND	1.0	0.33
Benzyl Alcohol	ND	1.0	0.60	Bis (2-chloroethoxy) Methane	ND	1.0	0.33
Bis (2-chloroethyl) Ether	ND	1.0	0.33	Bis (2-chloroisopropyl) Ether	ND	1.0	0.33
Bis (2-ethylhexyl) Phthalate	ND	1.0	0.33	4-Bromophenyl Phenyl Ether	ND	1.0	0.33
Butylbenzyl Phthalate	ND	1.0	0.33	4-Chloroaniline	ND	1.0	0.66
4-Chloro-3-methylphenol	ND	1.0	0.33	2-Chloronaphthalene	ND	1.0	0.33
2-Chlorophenol	ND	1.0	0.33	4-Chlorophenyl Phenyl Ether	ND	1.0	0.33
Chrysene	ND	1.0	0.33	Dibenzo(a,h)anthracene	ND	1.0	0.33
Dibenzofuran	ND	1.0	0.33	Di-n-butyl Phthalate	ND	1.0	0.33
1,2-Dichlorobenzene	ND	1.0	0.33	1,1-Dichlorobenzene	ND	1.0	0.33
1,4-Dichlorobenzene	ND	1.0	0.33	3,1-Dichlorobenzidine	ND	1.0	0.66
2,4-Dichlorophenol	ND	1.0	0.33	Diethyl Phthalate	ND	1.0	0.33
2,4-Dimethylphenol	ND	1.0	0.33	Dimethyl Phthalate	ND	1.0	0.33
4,6-Dinitro-2-methylphenol	ND	1.0	1.6	2,4-Dinitrophenol	ND	1.0	1.6
2,4-Dinitrotoluene	ND	1.0	0.33	2,6-Dinitrotoluene	ND	1.0	1.6
Di-n-octyl Phthalate	ND	1.0	0.33	1,2-Diphenylhydrazine	ND	1.0	0.33
Fluoranthene	ND	1.0	0.33	Fluorene	ND	1.0	0.33
Hexachlorobenzene	ND	1.0	0.33	Hexachlorobutadiene	ND	1.0	0.33
Hexachlorocyclopentadiene	ND	1.0	1.6	Hexachloroethane	ND	1.0	0.33
Indeno (1,2,3-cd) pyrene	ND	1.0	0.33	Isophorone	ND	1.0	0.33
2-Methylnaphthalene	4.2	1.0	0.33	2-Methylphenol (o-Cresol)	ND	1.0	0.33
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.0	0.33	Naphthalene	2.0	1.0	0.33
2-Nitroaniline	ND	1.0	1.6	3-Nitroaniline	ND	1.0	1.6
4-Nitroaniline	ND	1.0	1.6	2-Nitrophenol	ND	1.0	1.6
4-Nitrophenol	ND	1.0	1.6	Nitrobenzene	ND	1.0	0.33
N-Nitrosodiphenylamine	ND	1.0	0.33	N-Nitrosodi-n-propylamine	ND	1.0	0.33
1-methylchlorophenol	ND	1.0	1.6	Phenanthrene	ND	1.0	0.33
Phenol	ND	1.0	0.33	Pyrene	ND	1.0	0.33
1,2,4-Trichlorobenzene	ND	1.0	0.33	2,4,5-Trichlorophenol	ND	1.0	0.33
2,4,6-Trichlorophenol	ND	1.0	0.33				

Surrogate Recoveries (%)			
%SS1	90.0	%SS2	81.0
%SS3	105	%SS4	99.1
%SS5	107	%SS6	85.6

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sediment/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range; &) low or no surrogate due to matrix interference.

h) lighter than water immiscible sludge/product is present; i) liquid sample that contains greater than ~2 vol % sediment; j) sample diluted due to high organic content.

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W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4104	Date Sampled: 02/07/03	
		Date Received: 02/07/03	
	Client Contact: Peter Maloney	Date Extracted: 02/07/03	
	Client P.O.:	Date Analyzed: 02/10/03-02/13/03	

CAM / CCR 17 Metals*						
Lab ID	0302087-001A	0302087-002A	0302087-003A	0302087-004A	Reporting Limit for DF #1; ND means not detected above the reporting limit	
Client ID	W01	F01	F02	F03	S	W
Matrix	S	S	S	S		
Extraction Type	TILC	TILC	TILC	TILC	mg/Kg	mg/L

ICP Metals, Concentration*						
Analytical Method: 6010C						
Extraction Method: SW7050B						
Dilution Factor	1	1	1	1	1	1
Arsimony	ND	ND	ND	ND	2.5	NA
Barium	150	140	120	120	2.5	NA
Beryllium	ND	ND	ND	ND	0.5	NA
Cadmium	ND	ND	ND	ND	0.5	NA
Chromium	35	34	19	38	0.5	NA
Cobalt	10	9.9	6.7	9.0	2.0	NA
Copper	26	15	11	25	2.0	NA
Lead	13	6.1	9.3	6.3	3.0	NA
Molybdenum	ND	ND	ND	ND	2.0	NA
Nickel	44	37	14	46	2.0	NA
Silver	ND	ND	ND	ND	1.0	NA
Vanadium	34	26	18	28	2.0	NA
Zinc	55	35	15	45	1.0	NA
%SS:	108	103	103	104		

GFAA Metals, Concentration*						
Analytical Method: SW7010						
Extraction Method: SW350B						
Dilution Factor	1	1	1	1	1	1
Arsenic	4.2	ND	ND	ND	2.5	NA
Selenium	ND	ND	ND	ND	2.5	NA
Thallium	ND	ND	ND	ND	2.5	NA

Cold Vapor Metals, Concentration*						
Analytical Method: SW7471B						
Extraction Method: SW7471B						
Dilution Factor	1	1	1	1	1	1
Mercury	ND	ND	ND	ND	0.05	NA
Comments						

* water and liquid samples are reported in mg/L, soil/sediment/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DMLTLC / SPLP extracts in mg/L.

means surrogate recovery outside of acceptance range due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Ti); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Ti); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly affect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) quantitated value based on provided total air volume per client; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

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W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4104	Date Sampled: 02/07/03	
	Client Contact: Peter Maloney	Date Received: 02/07/03	
	Client P.O.:	Date Extracted: 02/07/03	
		Date Analyzed: 02/10/03-02/13/03	

CAM / CCR 17 Metals*						
Lab ID	0302087-005A	0302087-006A	0302087-007A	0302087-008A	Reporting Limit for DF = 1; ND means not detected above the reporting limit	
Client ID	F04	P05	F06	SP1-4-SP4-4	S	W
Matrix	S	S	S	S	mg/Kg	mg/L
Extraction Type	TTLIC	TTLIC	TTLIC	TTLIC		

ICP Metals, Concentration*						
Extraction Method: SW1030B						
Analytical Method: 6010C	Dilution Factor	1	1	1	1	1
Work Order: 0302087						
Antimony		ND	ND	ND	21	2.5 NA
Barium		130	130	130	130	2.5 NA
Beryllium		ND	ND	ND	ND	0.5 NA
Cadmium		ND	ND	ND	ND	0.5 NA
Chromium		36	42	32	29	0.5 NA
Cobalt		8.5	11	8.6	5.9	2.0 NA
Copper		30	25	19	59	2.0 NA
Lead		9.0	11	0.4	600	2.0 NA
Molybdenum		ND	ND	ND	ND	2.0 NA
Nickel		53	52	46	31	2.0 NA
Silver		ND	ND	ND	ND	1.0 NA
Vanadium		32	32	30	22	2.0 NA
Zinc		39	44	34	480	1.0 NA
%SS		104	108	103	105	

GFAA Metals, Concentration*						
Extraction Method: SW3050B						
Analytical Method: SW7010	Dilution Factor	1	1	1	1	1
Arsenic		3.1	3.8	ND	4.0	2.5 NA
Selenium		ND	ND	ND	ND	2.5 NA
Thallium		ND	ND	ND	ND	2.5 NA

Cold Vapor Metals, Concentration*						
Extraction Method: SW7471B						
Analytical Method: SW7471B	Dilution Factor	1	1	1	1	1
Mercury		0.064	ND	ND	0.17	0.06 NA
Concentrator						

* water and liquid samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

means surrogate recovery outside of acceptance range due to matrix interference, ND means not detected above the reporting limit, N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Ti); 245.1 (Hg); 7010 (sludge/soil/solid/sil/product/wipes - As, Se, Ti); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) quantified value based on provided total air volume per chart; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.



110 Second Avenue South, ED7
Petaluma, CA 94552-5500
(707) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0302087

Client:

W. A. Craig Inc.
6940 Tremont Road
Dixon, CA 95620-9603

TEL: (707) 693-2929
FAX: (707) 693-2922
ProjectNo: #4104
PO:

Date Received: 2/7/03
Date Printed: 2/7/03

Sample ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests						
					6010C	SM5520E/F	SW7010	SW7471B	SW8015C	8021B/8015	SW8270D
0302087-001	W01	Soil	2/7/03 10:30:00 AM		A	A	A	A	A	A	A
0302087-002	F01	Soil	2/7/03 10:45:00 AM		A		A	A	A	A	A
0302087-003	F02	Soil	2/7/03 10:45:00 AM		A		A	A	A	A	A
0302087-004	F03	Soil	2/7/03 11:20:00 AM		A		A	A	A	A	A
0302087-005	F04	Soil	2/7/03 11:25:00 AM		A		A	A	A	A	A
0302087-006	F05	Soil	2/7/03 1:15:00 PM		A		A	A	A	A	A
0302087-007	F06	Soil	2/7/03 1:15:00 PM		A		A	A	A	A	A
0302087-008	SP1-4-SP4-4	Soil	2/7/03 2:30:00 PM		A	A	A	A	A	A	A

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

WACG

0302097

McCAMPBELL ANALYTICAL, INC.
110 2ND AVENUE SOUTH, #107
PACIFICCA, CA 94553-5560

CHAIN OF CUSTODY RECORD
TURN AROUND TIME:
RUSH 24 HOUR 48 HOUR 5 DAY

Telephone: (925) 798-1620 Fax: (925) 798-1622

EDF Required? Yes No

Report To: Peter Maloney Bill To: W.A. Craig, Inc.
Company: W.A. Craig, Inc.

Analysis Request Other Comments

E-mail: tech@wacraig.com
Tel: 707-693-2929 Fax: 707-693-2922

Project #: 4104 Project Name:
Project Location: 829 54 Ave Oakland, CA
Sample Signature: [Signature]

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments																		
		Date	Time			Water	Soil	Air	Sediment	Other	Ice	HCl	HNO ₃	Other				BTEX & TPH in Gas (602/802)	TPH in Diesel (801.5)	Total Petroleum Oil & Grease (5520 ED/16/F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8090	EPA 608 / 8080 PCB % ONLY	EPA 624 / 8340	EPA 623 / 8270	PALM / EPA 519 / EPA 517 by S, V, N, A, T, J, I, L, R, H, C, D, E, F, G, H, I, K, M, O, P, Q, R, S, T, U, V, W, X, Y, Z	CAAM-17 Metals	LUFT 5 Metals	ICR				
WO1	Bottom of Waste Tank	2/7/03	10:30	1	100 mL	X					X	X	X																						
FO1	Fuel tank Bottom		10:45			X					X	X	X																						
FO2			10:45			X					X	X	X																						
FO3			11:20			X					X	X	X																						
FO4			11:25			X					X	X	X																						
FO5			13:15			X					X	X	X																						
FO6			13:15			X					X	X	X																						
SP 1-4	Stops Bike Composite		14:30			X					X	X	X																						
SP 2-4			14:30			X					X	X	X																						
SP 3-4			14:30				X					X	X	X																					
SP 4-4			14:30				X					X	X	X																					

Relinquished By: <u>[Signature]</u>	Date: <u>2-7-03</u> Time: <u>14:40</u>	Received By: <u>[Signature]</u>
Relinquished By: <u>[Signature]</u>	Date: <u>2-7-03</u> Time: <u>3:20</u>	Received By: <u>[Signature]</u>
Relinquished By:	Date: Time:	Received By:

Remarks:

100%	GOOD CONDITION	✓	PRESERVATION	✓	✓	✓	✓
	HEAD SPACE ABSENT	✓	APPROPRIATE CONTAINERS	✓			
	DECONTAMINATED IN LAB		PRESERVED IN LAB				

McC Campbell Analytical Inc.



110 Second Avenue South, #D7
 Pacheco, CA 94553-5560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0302087

Client:

W. A. Craig Inc.
 8940 Tremont Road
 Dixon, CA 95620-9603

TEL: (707) 693-2929
 FAX: (707) 693-2922
 ProjectNo: #4104
 PO:

Date Received: 02/07/2003
 Date Added-On: 02/19/2003
 Date Printed: 02/19/2003

Sample ID	ClientSampleID	Matrix	Collection Date	Hold	5W6D10C	Requested Tests				
0302087-008	SP1-4-SP1-4	Soil	02/07/2003 2:30:00 PM	<input type="checkbox"/>	A					

Prepared by: Melissa Valles

Comments: STLC PB ADDED ON #008 ON NORMAL TAT PER PM ON 2/19

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Feb 27 2003 4:54PM W. A. CRAIG, INC. 707-693-2922
 Sent By: McC Campbell Analytical, Inc.: 1 925 798 4612; Feb-26-03 3:50PM; Page 3/5
 P. 12

McCampbell Analytical Inc.		110 2nd Avenue South, #137, Pacheco, CA 94553-5569 Telephone: 925-798-1620 Fax: 925-798-1623 http://www.mccampbell.com E-mail: mair@mccampbell.com	
W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4104	Date Sampled: 02/07/03	
		Date Received: 02/07/03	
	Client Contact: Peter Maloney	Date Extracted: 02/19/03-02/21/03	
	Client P.O.:	Date Analyzed: 02/24/03	

Lead by ICP*

Extraction method: CA Title 22 Analytical method: SW4010C Work Order: 0302087

Lab ID	Client ID /	Matrix	Extraction	Lead	DF	% SS
0302087-008A	SP1-4-SP4-4	S	STLC	20	1	N/A

Reporting Limit for DF = 1; ND means not detected at or above the reporting limit	W S	TTLIC STLIC	NA 0.2	mg/l. mg/L
-----------------------------------------------------------------------------------------	--------	----------------	-----------	---------------

* water samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in ug/wipe and all TCLP / STLIC / DISTLIC / SPLP extracts in mg/L.

ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (llg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

DISTLIC extractions are performed using STLIC methodology except that deionized water is substituted for citric acid buffer as the extraction fluid. DISTLIC results are not applicable to STLIC regulatory limits.

1) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations; 2) reporting limit raised due to matrix interference.

DHS Certification No. 1644

Angela Rydetius, Lab Manager

WRP

0302201

McCAMBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5500

Telephone: (925) 798-1620

Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HOUR 48 HOUR 2 DAY

Report To: Peter Maloney Bill To: _____
 Company: W. A. Craig
 6940 Tremont Road
 Dixon, CA 95620-9603
 Tele: (707) 693-2929 Fax: (707) 693-2922
 Project #: 4104 Project Name: A-Pura
 Project Location: 54th Ave. Oakland
 Sampler Signature: [Signature]

Analysis Request Other Comments

SAMPLE ID	LOCATION	SAMPLING		# Containers	Type Containers	MATRIX					METHOD PRESERVED				Analysis Request	Other	Comments
		Date	Time			Water	Soil	Air	Sludge	Other	Ice	HCl	HNO ₃	Other			
<u>BT-1</u>	<u>Baker Tank</u>	<u>2/14/03</u>	<u>0830</u>	<u>1</u>		<u>X</u>											
BT-2	[Signature]	0830	0830	1		X											
BT-3	[Signature]	0830	0830	1		X											
BT-4	[Signature]	0830	0830	1		X											

BTX & TPH as Gas (822/808 + 815)/MTBE
 TPH as Diesel (815)
 Total Petroleum Oil & Grease (552) E&F/7&8(F)
 Total Petroleum Hydrocarbons (418.1)
 EPA 601 / 8010
 BTEX ONLY (EPA 602 / 8000)
 EPA 608 / 8010
 EPA 608 / 8080 PCB'S ONLY
 EPA 624 / 8260
 EPA 625 / 8270
 PAH'S / PMA / 5, 6, 7, 8, 9, 10, 11, 12
 CAM-17 Metals
 LUFT 5 Metals
 Lead (7240/742 / 239.2/6010)
 RCI

Relinquished By: [Signature] Date: 2/14 Time: 0925 Received By: [Signature]
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____
 Relinquished By: _____ Date: _____ Time: _____ Received By: _____

Remarks: _____

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ICM	GOOD CONDITION	PRESERVATION APPROPRIATE	CONTAINERS PRESERVED IN LAB

McC Campbell Analytical Inc.



110 Second Avenue South, 407
 Pacheco, CA 94553-5560
 (925) 798-1629

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0302201

Client:

W. A. Craig Inc.
 6940 Tremont Road
 Dixon, CA 95620-9603

TEL: (707) 693-2929
 FAX: (707) 693-2922
 ProjectNo: #4104; A-Para
 PO:

Date Received: 2/14/03
 Date Printed: 2/14/03


Sample ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests				
					E200_7	E200_9	E245_1	SW8015C	80218/8015
0302201-001	BT-1	Water	2/14/03 8:30:00 AM		C	C	C	B	A

Prepared by: Maria Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

Feb 27 2003 4:57PM W. A. CRAIG, INC. 707-693-2922
 Sent By: McC Campbell Analytical, Inc.; 1 925 798 4812; Feb-24-03 5:05PM; Page 3/7
 p. 15

 McCampbell Analytical Inc.		116 2nd Avenue South #07, Pooleton, CA 94353-3560 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: mca@dmccampbell.com	
W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4104; A-Para		Date Sampled: 02/14/03
	Client Contact: Peter Maloney		Date Received: 02/14/03
	Client P.O.:		Date Extracted: 02/18/03
			Date Analyzed: 02/18/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5010B

Analytical method: SW9021U/9015Om

Work Order: 0303201

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	BT-1	W	26,000A	NI<300	3500	4800	370	2000	100	91.6

Reporting Limit for DF =1: ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	NA	1	mg/kg


*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/L.

† clustered 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: u) 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; f) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); n) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible alcohol/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas); m) no recognizable pattern.


DHS Certification No. 1644

 Angela Rydelius, Lab Manager

 McCampbell Analytical Inc.			110 2nd Avenue South, #D7, Piedmont, CA 94523-3500 Telephone: 925-798-1620 Fax: 925-798-1622 http://www.mccampbell.com E-mail: uti@mccampbell.com		
W. A. Craig Inc. 6940 Trenour Road Dixon, CA 95620-9603		Client Project ID: #4104; A-Para		Date Sampled: 02/14/03 Date Received: 02/14/03 Date Extracted: 02/14/03 Date Analyzed: 02/24/03	
		Client Contact: Peter Maloney			
		Client P.O.:			
Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*					
Extraction method: SW3510C		Analytical methods: SW3510C		Work Order: 0302201	
Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0302201-001B	BT-1	W	460,000.0	100	—#
Reporting Limit for DF=1; ND means not detected at or above the reporting limit					
		W	50	µg/L	
		S	NA	NA	
* water and vapor samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in µg/L.					
If cluttered chromatogram resulting in co-eluted 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 out-of-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) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sludge/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene ranges; l) bunker oil; m) fuel oil; n) standard solvent / mineral spirit.					

DHS Certification No. 1644

 Angela Rydelius, Lab Manager

 McC Campbell Analytical Inc.		110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 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: #4104; A-Para	Date Sampled: 02/14/03	
		Date Received: 02/14/03	
	Client Contact: Peter Maloney	Date Extracted: 02/14/03	
	Client P.O.:	Date Analyzed: 02/14/03-02/20/03	

CAM / CCR 17 Metals*

Lab ID	0302201-001C	Reporting Limit for ICF = 1; ND means not detected above the reporting limit.	
Client ID	BT-1	S	W
Matrix	W	mg/kg	mg/l
Extraction Type	TTLIC		

ICP Metals, Concentration*

Analytical Method: E200.7	Extraction Method: E200.7	Work Order: 0302201	
Dilution Factor	1	1	1
Barium	0.20	NA	0.05
Beryllium	ND	NA	0.004
Cadmium	ND	NA	0.005
Chromium	ND	NA	0.02
Cobalt	ND	NA	0.05
Copper	0.18	NA	0.05
Lead	0.23	NA	0.005
Molybdenum	ND	NA	0.05
Nickel	0.061	NA	0.05
Se	ND	NA	0.01
Vanadium	ND	NA	0.05
Zinc	1.3	NA	0.05
%SS	111		

GFAA Metals, Concentration*

Analytical Method: E200.9	Extraction Method: E200.9	1	1
Dilution Factor	1	1	1
Antimony	0.015	NA	0.006
Arsenic	ND	NA	0.005
Selenium	ND	NA	0.005
Thallium	ND	NA	0.005

Cold Vapor Metals, Concentration*

Analytical Method: E245.1	Extraction Method: E245.1	1	1
Dilution Factor	1	1	1
Mercury	ND	NA	0.0008

Comments

* water and liquid samples are reported in mg/L, soil/sludge/solid/product samples in mg/kg, wipes in µg/wipe and all TCLP / STLC / DISTLC / SPLP extracts in mg/L.

means surrogate recovery outside of acceptance range due to matrix interference; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

Analytical Methods: EPA 6010C/200.7 for all elements except: 200.9 (water- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipes - As, Se, Tl); 7471B (Hg).

i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly affect reported metal concentrations; j) reporting limit raised due to insufficient sample amount; k) quantitated value base on provided total air volume per client; v) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.