



W. A. Craig, Inc.
Construction & Engineering

6940 Tremont Rd.
Dixon, CA 95620
(707) 693-2929
fax (707) 693-2922

Fax

To: Donna Drogos

From: Christine Truesdale

Company/Agency: Alameda County Environmental

Fax: 510-337-9335

Pages (including this one): 13

Phone:

Date: 6/2/04

Re: Sample Results-MBM UST Removal

Urgent For Review Please Comment Please Reply Please Recycle

● **Comments:**

Dear Donna:


John Ritger, with the Pleasanton/Livermore FD, asked me to fax these results over to you. The tank pit is presently open with a small amount of water remaining in the bottom. We'd like to pump out the remaining water into a Baker tank and backfill the pit with the stockpile. We would like to move on this as soon as possible. I am also faxing a sample location map.

I will call shortly to discuss any concerns you might have or you can call me at (707) 693-2929.

Thank you,


Christine C. Truesdale
Project Manager


McCampbell Analytical, Inc.			110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com								
W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603			Client Project ID: #4225; MBM UST					Date Sampled: 05/20/04			
								Date Received: 05/21/04			
			Client Contact: Tim Cook					Date Extracted: 05/22/04			
			Client P.O.:					Date Analyzed: 05/24/04-05/25/04			
Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*											
Extraction method: SW5030B			Analytical methods: SW8021B/8015Cm					Work Order: 0405353			
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	
004A	TP-1 MBM	S	---	---	ND	ND	ND	ND	1	101	
005A	TP-2 MBM	S	---	---	ND	ND	ND	ND	1	93.2	
006A	TP-3 MBM	S	---	---	ND	ND	ND	ND	1	90.3	
007A	TP-4 MBM	S	---	---	ND	ND	ND	ND	1	96.0	
008A	TP-5 MBM	S	---	---	ND	ND	ND	ND	1	95.8	
009A	TP-6 MBM	S	---	---	ND	ND	ND	ND	1	91.0	
010A	TP-7 MBM	S	---	---	ND	ND	ND	ND	1	86.5	
011A	CP-1-4	S	---	---	ND	ND	ND	ND	1	101	
012A	CP-5-8	S	---	---	ND	ND	ND	ND	1	97.6	
013A	CP-9-12	S	---	---	ND	ND	ND	ND	1	96.8	
014A	CP-13-16	S	---	---	ND	ND	ND	ND	1	88.6	
Reporting Limit for DF=1; ND means not detected at or above the reporting limit		W	NA	NA	NA	NA	NA	NA	1	ug/L	
		S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg	
* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples 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 (stoddard 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 ~1 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.											


 McC Campbell Analytical, Inc.		110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com			
W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603		Client Project ID: #4225; MBM UST		Date Sampled: 05/20/04	
				Date Received: 05/21/04	
		Client Contact: Tim Cook		Date Extracted: 05/22/04	
		Client P.O.:		Date Analyzed: 05/24/04-05/27/04	
Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*					
Extraction method: SW3510C		Analytical methods: SW8015C		Work Order: 0405353	
Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0405353-001C	WS-1 MBM	W	220,a/c	1	99.7
0405353-002C	WS-2 MBM	W	150,a/c	1	100
0405353-003C	WS-3 MBM	W	5500,a	1	103
0405353-004A	TP-1 MBM	S	ND	1	102
0405353-005A	TP-2 MBM	S	ND	1	103
0405353-006A	TP-3 MBM	S	ND	1	88.1
0405353-007A	TP-4 MBM	S	ND	1	90.4
0405353-008A	TP-5 MBM	S	5.7,g,b	1	103
0405353-009A	TP-6 MBM	S	ND	1	86.6
0405353-010A	TP-7 MBM	S	ND	1	84.7
0405353-011A	CP-1-4	S	4.4,a/m	1	101
0405353-012A	CP-5-8	S	7.5,a/c	1	102
0405353-013A	CP-9-12	S	16,a/c	1	103
0405353-014A	CP-13-16	S	7.3,a/c	1	103
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	µg/L	
		S	1.0	mg/Kg	
* water 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 DISTLC / STLC / SPLP / TCLP extracts are reported in µg/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 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 ~1 vol. % sediment; k) kerosene/kerosene range; j) bunker oil; m) fuel oil; n) stoddard solvent/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: #4225; MBM UST	Date Sampled: 05/20/04				
		Date Received: 05/21/04				
	Client Contact: Tim Cook	Date Extracted: 05/25/04				
	Client P.O.:	Date Analyzed: 05/25/04				
Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*						
Extraction Method: SW5030B		Analytical Method: SW8260B		Work Order: 0405353		
Lab ID	0405353-001B	0405353-002B	0405353-003B	0405353-004A	Reporting Limit for DF = 1	
Client ID	WS-1 MBM	WS-2 MBM	WS-3 MBM	TP-1 MBM		
Matrix	W	W	W	S		
DF	1	1	1	1		
					S	W
Compound	Concentration				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	5.0	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND	25	5.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	5.0	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND	5.0	0.5
Ethanol	ND	ND	ND	ND	250	50
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	5.0	0.5
Methanol	ND	ND	ND	ND	2500	500
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	5.0	0.5
Surrogate Recoveries (%)						
%SS:	101	99.8	101	96.4		
Comments						
* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/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 or surrogate coelutes with another peak.						
h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 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: #4225; MBM UST			Date Sampled: 05/20/04		
				Date Received: 05/21/04		
	Client Contact: Tim Cook			Date Extracted: 05/25/04		
	Client P.O.:			Date Analyzed: 05/25/04		
Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS⁺						
Extraction Method: SW5030B		Analytical Method: SW8260B			Work Order: 0405353	
Lab ID	0405353-005A	0405353-006A	0405353-007A	0405353-008A	Reporting Limit for DF=1	
Client ID	TP-2 MBM	TP-3 MBM	TP-4 MBM	TP-5 MBM		
Matrix	S	S	S	S		
DF	1	1	1	1		
Compound	Concentration				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	5.0	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND	25	5.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	5.0	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND	5.0	0.5
Ethanol	ND	ND	ND	ND	250	50
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	5.0	0.5
Methanol	ND	ND	ND	ND	2500	500
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	5.0	0.5
Surrogate Recoveries (%)						
%SS:	96.4	96.0	98.3	87.1		
Comments						
<p>* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.</p> <p>ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.</p> <p># surrogate diluted out of range or surrogate coelutes with another peak.</p> <p>h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.</p>						

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W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4225; MBM UST	Date Sampled: 05/20/04				
		Date Received: 05/21/04				
	Client Contact: Tim Cook	Date Extracted: 05/25/04				
	Client P.O.:	Date Analyzed: 05/25/04				
Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*						
Extraction Method: SW5030B		Analytical Method: SW6260B		Work Order: 0405353		
Lab ID	0405353-009A	0405353-010A	0405353-011A	0405353-012A	Reporting Limit for DF=1	
Client ID	TP-6 MBM	TP-7 MBM	CP-1-4	CP-5-8		
Matrix	S	S	S	S		
DF	1	1	1	1		
Compound	Concentration				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	5.0	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND	25	5.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	5.0	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND	5.0	0.5
Ethanol	ND	ND	ND	ND	250	50
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	5.0	0.5
Methanol	ND	ND	ND	ND	2500	500
Methyl-t-butyl ether (MTBE)	ND	ND	ND	ND	5.0	0.5
Surrogate Recoveries (%)						
%SS:	95.8	99.7	98.1	94.8		
Comments						
* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/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 or surrogate coelutes with another peak. h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than -1 vol. % sediment; j) sample diluted due to high organic content.						


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 Telephone: 925-798-1620 Fax: 925-798-1622
 Website: www.mccampbell.com E-mail: main@mccampbell.com

W. A. Craig Inc. 6940 Tremont Road Dixon, CA 95620-9603	Client Project ID: #4225; MBM UST		Date Sampled: 05/20/04		
	Client Contact: Tim Cook		Date Received: 05/21/04		
	Client P.O.:		Date Extracted: 05/25/04		
			Date Analyzed: 05/25/04		
Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*					
Extraction Method: SW5030B		Analytical Method: SW8260B		Work Order: 0405333	
Lab ID	0405353-013A	0405353-014A	Reporting Limit for DF = 1		
Client ID	CP-9-12	CP-13-16			
Matrix	S	S			
DF	1	1			
Compound	Concentration			µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND		5.0	0.5
t-Butyl alcohol (TBA)	ND	ND		25	5.0
1,2-Dibromoethane (EDB)	ND	ND		5.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND		5.0	0.5
Diisopropyl ether (DIPE)	ND	ND		5.0	0.5
Ethanol	ND	ND		250	50
Ethyl tert-butyl ether (ETBE)	ND	ND		5.0	0.5
Methanol	ND	ND		2500	500
Methyl-t-butyl ether (MTBE)	ND	ND		5.0	0.5
Surrogate Recoveries (%)					
%SS:	101	103			
Comments					
<p>* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.</p> <p>ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.</p> <p># surrogate diluted out of range or surrogate coelutes with another peak.</p> <p>h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content.</p>					

McCampbell Analytical, Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0405353

ClientID: WACD

Report to: **Tim Cook** TEL: (707) 310-1741 **Christine** Requested TAT: **5 days**
W. A. Craig Inc. FAX: (707) 693-2922 **W. A. Craig Inc.**
6940 Tremont Road ProjectNo: #4225; MBM UST **6940 Tremont Road** **Date Received: 5/21/04**
Dixon, CA 95620-9603 PO: **Dixon, CA 95620-9603** **Date Printed: 5/22/04**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0405353-001	WS-1 MBM	Water	5/20/04 2:10:00 PM	<input type="checkbox"/>			B		A		C									
0405353-002	WS-2 MBM	Water	5/20/04 2:15:00 PM	<input type="checkbox"/>			B		A		C									
0405353-003	WS-3 MBM	Water	5/20/04 2:35:00 PM	<input type="checkbox"/>			B		A		C									
0405353-004	TP-1 MBM	Soil	5/20/04 2:55:00 PM	<input type="checkbox"/>	A			A		A										
0405353-005	TP-2 MBM	Soil	5/20/04 3:15:00 PM	<input type="checkbox"/>	A			A		A										
0405353-006	TP-3 MBM	Soil	5/20/04 3:17:00 PM	<input type="checkbox"/>	A			A		A										
0405353-007	TP-4 MBM	Soil	5/20/04 3:20:00 PM	<input type="checkbox"/>	A			A		A										
0405353-008	TP-5 MBM	Soil	5/20/04 3:45:00 PM	<input type="checkbox"/>	A			A		A										
0405353-009	TP-6 MBM	Soil	5/20/04 4:00:00 PM	<input type="checkbox"/>	A			A		A										
0405353-010	TP-7 MBM	Soil	5/20/04 4:05:00 PM	<input type="checkbox"/>	A			A		A										
0405353-011	CP-1-4	Soil	5/20/04	<input type="checkbox"/>	A			A		A										
0405353-012	CP-5-8	Soil	5/20/04	<input type="checkbox"/>	A			A		A										
0405353-013	CP-9-12	Soil	5/20/04	<input type="checkbox"/>	A			A		A										
0405353-014	CP-13-16	Soil	5/20/04	<input type="checkbox"/>	A			A		A										

Test Legend:

1	9-OXYS_S	2	9-OXYS_W	3	G-MBTX_S	4	G-MBTX_W	5	TPH(D)_S
6	TPH(D)_W	7		8		9		10	
11		12		13		14		15	

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.

06-02-'04 15:53 FROM - W.A. CRAIG INC. 707-693-2922 T-839 P011/013 U-900

