



AEI CONSULTANTS
 2500 Camino Diablo, Suite 200
 Walnut Creek, CA 94597
 PHONE: (925) 283-6000
 (800) 801-3224
 FAX: (925) 283-6121

Date: 4/29/04

Hard Copy Sent? Y N

To: Mr. Robert Weston

Phone:

Fax: 510.337.9335

From: Pete Hoversen

Pages: 8, including this cover page

Subject:

Here are the soil sample results for the tank removal on Baker Road last Wednesday in Castro Valley. Please give me a call after you have had a chance to look these over.

Thanks,
Pete Hoversen
925.283.6000 x119

002

0404313

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, 807
PACHECO, CA 94533-5569

Telephone: (925) 798-1620

Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME

RUSH 24 HR 48 HR 72 HR 5 DAY

EDF Required? Yes No

Report To: Peter HOLSEN BU To:
Company: AEI Consultants
2500 Camino Diablo, Suite 201
Walnut Creek, CA 94597 E-Mail:
Tele: (925) 944-2899 Fax: (925) 944-2895
Project #: 813 Project Name: BAKER RD.
Project Location: CASTRO VALLEY
Sampler Signature:

Analysis Request Other Comments

RTX/MTX BTEX & TPH & GAS (EPA 8010)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 EPA 8010/8017)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's PNA 5 & 9 (EPA 8210)	CADMIUM / METALS	LEAD / 5 METALS	Lead (72407/421/239/260/10)	AA	RCI	0928(543) mass Pb 0928(543) mass Pb 0928(543) mass Pb
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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		
T1W-EBB'		4/21		1												
T2W-EBB'				1												
T1E-EBB'				1	BRASS	X	X	X	X	X	X	X	X	X	X	X
T2E-EBB'				1	BRASS	X	X	X	X	X	X	X	X	X	X	X
T1E-EBB'				1												
T1STKPI-4				4	BRASS	X	X	X	X	X	X	X	X	X	X	X
T2STKPI-4				4	BRASS	X	X	X	X	X	X	X	X	X	X	X

Relinquished By: [Signature] Date: 4/21/04 Time: 4:50 PM Received By: [Signature]

Relinquished By: _____ Date: _____ Time: _____ Received By: _____

Relinquished By: _____ Date: _____ Time: _____ Received By: _____

ICE/1 PRESERVATION APPROPRIATE
GOOD CONDITION CONTAINERS PRESERVED IN LAB
HEAD SPACE ABSENT
DECHLORINATED IN LAB

McC Campbell Analytical, Inc.



110 Second Avenue South, #D1
 Pacheco, CA 94553-3560
 (925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0404313

ClientID: AEL

Report to:

Peter Hoverson
 All Environmental, Inc.
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

TEL: (925) 283-6000
 FAX: (925) 283-6121
 ProjectNo: #8131; Baker R.D
 PO:

Bill to:

Lesleigh Alderman
 All Environmental, Inc.
 2500 Camino Diablo, Ste. #200
 Walnut Creek, CA 94597

Requested TAT: 5 days

Date Received: 4/21/04

Date Printed: 4/21/04

Sample ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0404313-001	T1W-EB8'	Soil	4/21/04	<input type="checkbox"/>	A	A	A	A												
0404313-002	T2W-EB8'	Soil	4/21/04	<input type="checkbox"/>	A	A	A	A												
0404313-003	T1E-EB8'	Soil	4/21/04	<input type="checkbox"/>	A	A	A	A												
0404313-004	T2E-EB8'	Soil	4/21/04	<input type="checkbox"/>	A	A	A	A												
0404313-005	T1STKP1-4	Soil	4/21/04	<input type="checkbox"/>	A	A	A	A												
0404313-006	T2STKP1-4	Soil	4/21/04	<input type="checkbox"/>	A	A	A	A												

Test Legend:

1	5-OXYS+PBSCV_S	2	G-MBTEX_S	3	PBAA_S	4	TPH(D)S	5	
6		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.

04/29/2004 13:59 9259442895
 APR 28 2004 12:43PM MCCAMPBELL ANALYTICAL INC 9257984612
 AEI CONSULTANTS
 PAGE 03
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 McC Campbell Analytical, Inc.	110 2nd Avenue South, #D7, Pacheco, CA 94553-5580 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com	

All Environmental, Inc. 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #8131; Baker R.D	Date Sampled: 04/21/04
		Date Received: 04/21/04
	Client Contact: Peter Hoverson	Date Extracted: 04/21/04
	Client P.O.:	Date Analyzed: 04/22/04-04/24/04

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

Extraction method: SW503D

Analytical method: SW8021B/8015Cm

Work Order: 0404111

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	T1W-BR8*	S	160.g.m	ND<0.50	ND<0.050	ND<0.050	ND<0.050	ND<0.050	10	84.4
002A	T2W-BR8*	S	1400.g.m	ND<10	ND<1.0	ND<1.0	ND<1.0	8.4	200	107
003A	T1B-BR8*	S	190.g.m	ND<1.7	ND<0.17	ND<0.17	ND<0.17	ND<0.17	33	89.8
004A	T2B-BR8*	S	460.g.m	ND<0.50	ND<0.050	ND<0.050	ND<0.050	0.25	10	85.3
005A	T1STKPI-4	S	ND	ND	ND	ND	ND	ND	1	82.1
006A	T2STKPI-4	S	ND	ND	ND	ND	ND	ND	1	85.2

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 ug/L, soil/sludge/solid samples in mg/kg, wipe samples in ug/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak occludes 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 (stockard 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.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager

 McC Campbell Analytical, Inc.	110 2nd Avenue South, #D7, Pacheco, CA 94552-5560 Telephone : 925-798-1620 Fax : 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com
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All Environmental, Inc. 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #8131; Baker R.D	Date Sampled: 04/21/04
		Date Received: 04/21/04
		Date Extracted: 04/21/04
		Date Analyzed: 04/22/04-04/23/04

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

Extraction method: SW1550C Analytical method: SW8015C Work Order: 0404313

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0404313-001A	T1W-EB8'	S	4900,a	100	90.0
0404313-002A	T2W-EB8'	S	2400,d,b	50	116
0404313-003A	T1E-EB8'	S	10,000,g	100	102
0404313-004A	T2E-EB8'	S	1400,d,b	20	109
0404313-005A	T1STKP1-A	S	71,e,g	5	93.9
0404313-006A	T2STKP1-A	S	2.1,g,b	1	102


Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	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 D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D99, D100 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 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 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 solvent/mineral spirit.

DHS Certification No. 1644

 Angela Rydellus, Lab Manager

 McC Campbell Analytical, Inc.		110 2nd Avenue South, #107, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com				
All Environmental, Inc. 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #8131; Baker R.D	Date Sampled: 04/21/04				
		Date Received: 04/21/04				
	Client Contact: Peter Hoverson	Date Extracted: 04/21/04				
	Client P.O.:	Date Analyzed: 04/22/04-04/23/04				
Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*						
Extraction Method: 5W83DB		Analytical Method: 5W8260B		Work Order: D404713		
Lab ID	0404313-001A	0404313-002A	0404313-003A	0404313-004A	Reporting Limit for DF=1	
Client ID	T1W-EB8*	T2W-EB8*	T1E-EB8*	T2E-EB8*		
Matrix	S	S	S	S		
DF	200	200	40	200		
Compound	Concentration				µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1000	ND<1000	ND<200	ND<1000	5.0	NA
t-Butyl alcohol (TBA)	ND<5000	ND<5000	ND<1000	ND<5000	25	NA
1,2-Dibromoethane (EDB)	NT<1000	ND<1000	ND<200	ND<1000	5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND<1000	ND<1000	ND<200	ND<1000	5.0	NA
Diisopropyl ether (DIPB)	ND<1000	ND<1000	ND<200	ND<1000	5.0	NA
Ethyl tert-butyl ether (ETBE)	ND<1000	ND<1000	ND<200	ND<1000	5.0	NA
Methyl-t-butyl ether (MTBE)	ND<1000	ND<1000	ND<200	ND<1000	5.0	NA
Surrogate Recoveries (%)						
%SS:	118	115	109	114		
Comments	j	j	j	j		
* 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 ~2 vol. % sediment; j) sample diluted due to high organic content.						

 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: msn@mccampbell.com			
All Environmental, Inc. 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #R131; Baker R.D		Date Sampled: 04/21/04		
			Date Received: 04/21/04		
	Client Contact: Peter Hoverson		Date Extracted: 04/21/04		
	Client P.O.:		Date Analyzed: 04/22/04-04/23/04		
Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*					
Extraction Method: SW5030B		Analytical Method: SW8260B		Work Order: 0404313	
Lab ID	0404313-005A	0404313-006A			Reporting Limit for DF=1
Client ID	T1STKP1-4	T2STKP1-4			
Matrix	S	S			
DF	1	1			
					S W
Compound	Concentration			µg/Kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND		5.0	NA
t-Butyl alcohol (TBA)	ND	ND		25	NA
1,2-Dibromoethane (EDB)	ND	ND		5.0	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND		5.0	NA
Diisopropyl ether (DIPE)	ND	ND		5.0	NA
Ethyl tert-butyl ether (ETBE)	ND	ND		5.0	NA
Methyl-t-butyl ether (MTBE)	ND	ND		5.0	NA
Surrogate Recoveries (%)					
%SS:	109	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 ~2 vol. % sediment; j) sample diluted due to high organic content.</p>					

 McC Campbell Analytical, Inc.	110 2nd Avenue South, #D7, Redwood, CA 94463-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-mail: main@mccampbell.com	

All Environmental, Inc. 2500 Camino Diablo, Ste. #200 Walnut Creek, CA 94597	Client Project ID: #8131; Baker R.D	Date Sampled: 04/21/04
		Date Received: 04/21/04
	Client Contact: Peter Hoverson	Date Extracted: 04/21/04
	Client P.O.:	Date Analyzed: 04/22/04

Lead by Graphite Furnace Atomic Absorption*

Extraction method: SW9050B

Analytical method: SW7010

Work Order: 040413

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0404313-001A	T1W-EB8*	S	TTLIC	6.1	1	N/A
0404313-002A	T2W-EB8*	S	TTLIC	17	2	N/A
0404313-003A	T1B-EB8*	S	TTLIC	6.1	1	N/A
0404313-004A	T2B-EB8*	S	TTLIC	18	2	N/A
0404313-005A	T1STKP1-4	S	TTLIC	24	4	N/A
0404313-006A	T2STKP1-4	S	TTLIC	22	2	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLIC	NA	mg/L
	S	TTLIC	0	mg/Kg


*water/product/oil/non-aqueous liquid samples and all TTCP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate recovery outside of acceptance range due to matrix interference; & means surrogate diluted out of acceptance range; 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/liquid- Sb, As, Pb, Se, Tl); 245.1 (Hg); 7010 (sludge/soil/solid/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

l) 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) results are reported by dry weight; y) estimated values due to low surrogate recovery; z) reporting limit raised due to matrix interference.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager