



# ALL ENVIRONMENTAL, INC.

901 Moraga Road, Suite C

Lafayette, CA 94549

(925) 283-6000

FAX: (925) 283-6121

## FAX TRANSMITTAL SHEET

TO: LARRY SETO

FAX NUMBER: (510) 337-9335


FROM: NICK WALCHUK

MESSAGE: re: home heating oil tank - 924 Grand St,  
Alameda. (STID 6899). Over-excavation  
analytical results.

(Sample "Profile 1-4" is the over-excavated  
soil stockpile + stockpile from orig. tank  
~~profile~~ removal)

DATE: 9/10 TIME: 4:15 No. of Pages (Including cover page): 6




 <b>McCAMPBELL ANALYTICAL INC.</b>	110 Second Avenue South, #D7, Pacheco, CA 94553-5560 Telephone : 925-798-1620 Fax : 925-798-1622 <a href="http://www.mccampbell.com">http://www.mccampbell.com</a> E-mail: main@mccampbell.com
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All Environmental, Inc. 901 Moraga Road, Suite C Lafayette, CA 94549	Client Project ID: #1910: Miles	Date Sampled: 08/28/98
	Client Contact: Nick Walchuk	Date Received: 08/31/98
	Client P.O:	Date Extracted: 08/31/98
		Date Analyzed: 08/31-09/03/98

**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) <sup>†</sup>	% Recovery Surrogate
94385	Conf-N(10.5)	S	2000,b,d	100
94386	Conf-E(10.5)	S	1000,b,d	102
94387	Conf-W(10.5)	S	370,b,d	99
94388	Conf-S(10.5)	S	1500,b,d	101
94389	GW-11'	W	110,000,b,h	116 <sup>#</sup>
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 / SPLP extracts in ug/L  
<sup>†</sup> 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 or 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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**Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline\*, with Methyl tert-Butyl Ether\* & BTEX\***  
 EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)*	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
94385	Conf-N(10.5)	S	---	---	ND<0.02	ND<0.04	ND<0.07	0.37	97
94386	Conf-E(10.5)	S	---	---	ND<0.02	ND<0.07	ND<0.02	0.24	97
94387	Conf-W(10.5)	S	---	---	ND	ND	ND	ND	101
94388	Conf-S(10.5)	S	---	---	ND	ND	ND	ND	102
94389	GW-11'	W	---	---	ND	3.2	ND<0.8	ND	89
94390	Profile 1-4	S	---	---	ND<0.02	ND<0.07	ND<0.02	ND	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	
		S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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


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	Client P.O:	Date Extracted: 08/31/98
		Date Analyzed: 08/31-09/02/98

**Diesel Range (C10-C23) and Oil-Range (C18+) Extractable Hydrocarbons as Diesel and Motor Oil\***  
 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) <sup>†</sup>	TPH(mo) <sup>†</sup>	% Recovery Surrogate
94390	Profile 1-4	S	4300,b,d	110	100
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L	250 ug/L		
	S	1.0 mg/kg	5.0 mg/kg		

\* water samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STLC / SPL extracts in ug/L  
<sup>†</sup> cluttered chromatogram resulting in occluded 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 phase is present, i) liquid sample that contains greater than ~5 vol. % sediment

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		Date Analyzed: 09/01/98

**LUFT Metals\***

EPA analytical methods 6010/200.7, 239.2\*

Lab ID	Client ID	Matrix	Extraction <sup>o</sup>	Cadmium	Chromium	Lead	Nickel	Zinc	% Recovery Surrogate
94390	Profile 1-4	S	TTLC	ND	29	89	21	72	104
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC	0.5 mg/kg	0.5	3.0	2.0	1.0		
	W	TTLC	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		

\* water samples are reported in mg/L, soil and sludge samples in mg/kg, wipes in ug/wipe and all TCLP / STLC / SPLP extracts in mg/L  
<sup>o</sup> Lead is analysed using EPA method 6010 (ICP) for soils, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples  
<sup>o</sup> EPA extraction methods 1311 (ICLP), 3010/3020 (water, TTLC), 3040 (organic matrices, TTLC), 3050 (solids, TTLC); STLC - CA Title 22  
<sup>o</sup> surrogate diluted out of range; N/A means surrogate not applicable to this analysis  
<sup>o</sup> reporting limit raised due to matrix interference  
 (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



**ALL ENVIRONMENTAL, INC.**  
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5-DAY

**Chain of Custody**

DATE: 8/28/98 PAGE: 1 OF: 1

12215 XALE 297

AET PROJECT MANAGER: <u>Nick Wachuk</u>				ANALYSIS REQUEST										NUMBER OF CONTAINERS					
PROJECT NAME: <u>MILES</u>				TYPE I Cadmium (EPA 8150.8015) W/ HTEX and NITRE (EPA 821.202)	TYPE II Nickel (EPA 8510/3350.8015)	TOTAL OIL & GREASE (EPA 5580.202)	VOLATILE HALOCARBONS (EPA 801 or 8010)	VOLATILE ORGANIC COMPOUNDS (EPA 8240)	TOTAL LEAD (AA) (EPA 7420)	LUFT Metals (EPA 7150.7200, 7420, 7520, 7560)	STLC CSM 17 (EPA 1310/6010)	ACI REACTIVITY PARASITICITY IDENTIFIABILITY EPA-821-CR-6081-21.51	BTEX		TPH - <sup>total</sup> M.O.I.	HOLD			
SAMPLE I.D.	DATE	TIME	MATRIX																
CONF-N (10.5)	8/28		soil	✓									✓			1	943		
-E (10.5)	↓		↓	✓									✓			1	943		
-W (10.5)	↓		↓	✓									✓			1	943		
-S (10.5)	↓		↓	✓									✓			1	943		
+2 GW-11'	↓		water	✓									✓			4	943		
<del>CONF-N</del> PROFILE 1-4	↓		soil	✓					✓				✓	✓		1	943		
ICE ✓				PRESERVATION ✓				MONITORING METALS OTHER ✓											
GOOD CONDITION ✓				APPROPRIATE ✓															
HEAD SPACE ABSENT ✓				CONTAINERS ✓															
ANALYTICAL LAB: <u>McC Campbell</u>				RELINQUISHED BY: <u>Lesleigh Alderman</u>				RECEIVED BY: <u>Maria Ricci</u>				RELINQUISHED BY: <u>2</u>				RECEIVED BY: <u>2</u>			
ADDRESS: _____				Signature _____				Signature _____				Signature _____				Signature _____			
PHONE ( ) _____ FAX ( ) _____				Printed Name _____				Printed Name _____				Printed Name _____				Printed Name _____			
INSTRUCTIONS/COMMENTS: _____				Company <u>AGT</u>				Company <u>MARICA</u>				Company _____				Company _____			
				Time <u>4:30pm</u> Date <u>8/31</u>				Time <u>6:30</u> Date <u>8/31/98</u>				Time _____ Date _____				Time _____ Date _____			

SEP-10-1998 16:37 ALL ENVIRONMENTAL, INC. 9252836121 P.05

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