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#1650

Date: 10/29/99

Hard Copy Sent? Y N

To: **Barney Chan**
ACHCSA
Phone: 510 567-6765
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From: **Peter McIntyre**

Pages: 4, including this cover page

**Subject: Stockpiled soil sampling – Omega Termites
807 75th Avenue, Oakland**

Following are the analytical results of the stockpiled soil sampling for the approximately 100 yd³ of soil. We originally ran the lead by TTLC and then did STLC for solubility. We would like to use this soil as backfill with your permission. These samples were taken randomly distributed locations at least 1.5 feet below the surface of the pile. Please review the analytical and, if you need, I can prepare a dimensional drawing with the sample collection locations shown.

Thank you for your time.

11/1/99 Requested a map (per. offer) of soils w/ size, height & location of samples. P. MacIntyre will send this to me. Will not release until after overexc. is done.

MCCAMPBELL 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: miam@mccampbell.com
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All Environmental, Inc. 901 Moraga Road, Suite C Lafayette, CA 94549	Client Project ID: #3456; Kanady	Date Sampled: 10/14/99
		Date Received: 10/14/99
	Client Contact: Peter McIntyne	Date Extracted: 10/14-10/15/99
	Client P.O:	Date Analyzed: 10/14-10/18/99


Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*
 EPA methods 8030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) [†]	MTBE	Benzene	Toluene	Ethylben- zene	Xylenes	% Recovery Surrogate
23362	STKP-1	S	1.4,a	ND	0.008	0.045	0.019	0.13	96
23363	STKP-2	S	ND	ND	ND	0.009	ND	0.023	98
23364	STKP-3	S	ND	ND	ND	0.009	0.005	0.025	103
23365	STKP-4	S	1.1,a	ND	0.005	0.014	0.011	0.043	93
23366	STKP-5	S	19,b	ND	0.022	0.049	0.031	0.54	111
23367	STKP-6	S	ND	ND	ND	0.008	ND	0.028	98
23368	STKP-7	S	ND	ND	ND	0.007	ND	0.019	94
23369	STKP-8	S	2.6,b,i	ND	0.019	0.072	0.037	0.63	107
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, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP and SLP extracts in ug/l.

[†] eluted chromatogram: sample peak coelutes with surrogate peak

The following descriptions of the TPH chromatogram are advisory 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 more 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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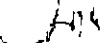
Lead*


EPA analytical methods 6010/200.7, 239.2

Lab ID	Client ID	Matrix	Extraction ^a	Lead*	% Recovery Surrogate
23362	STKP-1	S	TTLIC	150	101
23363	STKP-2	S	TTLIC	55	102
23364	STKP-3	S	TTLIC	200	104
23365	STKP-4	S	TTLIC	86	103
23366	STKP-5	S	TTLIC	96	103
23367	STKP-6	S	TTLIC	21	100
23368	STKP-7	S	TTLIC	17	102
23369	STKP-8	S	TTLIC	100	102
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLIC		3.0 mg/kg	
	W	TTLIC		0.005 mg/L	
	---	STLC,TCLP		0.2 mg/L	

* soil and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L
 Lead is analysed using EPA method 6010 (ICP) for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
^a EPA extraction methods 1311(TCLP), 3010/3020(water,TTLIC), 3040(organic matrices,TTLIC), 3050(solids,TTLIC), STLC - CA Title 23
^b surrogate diluted out of range; N/A means surrogate not applicable to this analysis
^c 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 can significantly effect reported metal concentrations.

DHS Certification No. 1644

 Edward Hamilton, Lab Director

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Lead*					
EPA analytical methods 6010/200.7, 239.2*					
Lab ID	Client ID	Matrix	Extraction *	Lead*	% Recovery Surrogate
23362	STKP-1	S	STLC	4.2	NA
23363	STKP-2	S	STLC	1.2	NA
23364	STKP-3	S	STLC	1.9	NA
23365	STKP-4	S	STLC	3.3	NA
23366	STKP-5	S	STLC	3.3	NA
23367	STKP-6	S	STLC	0.96	NA
23368	STKP-7	S	STLC	0.64	NA
23369	STKP-8	S	STLC	3.3	NA
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC		3.0 mg/kg	
	W	TTLC		0.005 mg/L	
	---	STLC, TCLP		0.2 mg/l.	

* soil and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L
 * Lead is analysed using EPA method 6010 (ICP) for soils, sludges, STLC & TCLP extracts and method 2392 (AA Furnace) for water samples
 * EPA extraction methods 1311(TCLP), 3010/3020(water, TTLC), 3040(organic matrices, TTLC), 3050(solids, TTLC); STLC - 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 can significantly effect reported metal concentrations.

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