CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.
1144 65th Street, Suite B
Oakland, CA 94608
Phone (510) 420-0700
Fax (510) 420-9170

3978

FAX TRANSMITTAL

To:	**Barney Chan**	**From:**	Bob Schultz
Organization:	Alameda County	**Phone:**	(510) 420-3341
Phone:	(510) 567-6765	**Date:**	October 15, 1998
Fax #:	(510) 337-9335	**Project #:**	153-1247-4
Re:	**Overburden**	**No. Pages (incl. cover):**	4

Dear Mr. Chan:

Please find attached a copy of the analytic results for the overburden removed above from the approximately 140 ft of piping located near the southern end of the storage shed complex. Approximately 14 yds of material was removed from and placed alongside the trench. I collected four samples (one every ~35 ft) from the stockpiled overburden, and instructed the analytical laboratory to composite the samples and analyze the composited sample for TPHd and TPHg/BTEX/MTBE.

With your verbal approval, granted during our phone conversation this afternoon, we will reuse the overburden as backfill. The soil will go back into the same stretch of trench from which it was removed.

Sincerely,

Bob Schultz

Bob Schultz

H:\City of Oakland\MSC\hydrant removal\FX3chanoverburden.WPD

McCAMPBELL ANALYTICAL INC.
110 Second Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Cambria Environmental Technology	Client Project ID: #153-1247-4; City of MSC	Date Sampled: 10/14/98
1144 65th Street, Suite C		Date Received: 10/14/98
Oakland, CA 94608	Client Contact: Bob Schultz	Date Extracted: 10/14/98
	Client P.O:	Date Analyzed: 10/14/98

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	Ethylben-zene	Xylenes	% Recovery Surrogate
96989	Comp-1-4	S	1.2,g	ND	ND	ND	ND	0.018	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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Cambria Environmental Technology 1144 65th Street, Suite C Oakland, CA 94608	Client Project ID: #153-1247-4; City of MSC	Date Sampled: 10/14/98
		Date Received: 10/14/98
	Client Contact: Bob Schultz	Date Extracted: 10/14/98
	Client P.O:	Date Analyzed: 10/14-10/15/98

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel With Silica Gel Clean-up*

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)+	% Recovery Surrogate
96989	Comp-1-4	S	71,g,b	98
Reporting Limit unless otherwise noted; 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

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 to 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.

DHS Certification No. 1644

Edward Hamilton, Lab Director

12682 x6351

McCAMBELL ANALYTICAL INC.

1310 2nd AVENUE SOUTH, #107
PACHECO, CA 94553
Telephone: (510) 798-1620 Fax: (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: ☒ RUSH ☐ 24 HOUR ☐ 48 HOUR ☐ 5 DAY

Report To: Bob Schultz Bill To: Cambria

Company: Cambria Environmental Technology

1144 65th Street, Suite C

Oakland, CA 94608

Tele: (510) 420-0700 Fax: (510) 420-9170

Project #: 153-1247-4 Project Name: C&D, MSC

Project Location: 7101 Edgewater

Sampler Signature:

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: Ice	HCl	HNO3	Other
Comp-1		10/14		1	brass		X				X			
Comp-2		↓		↓	↓		↓				↓			
Comp-3		↓		↓	↓		↓				↓			
Comp-4		↓		↓	↓		↓				↓			

Analysis Request: BTEX & TPH as Gas (8020/8015 + 8015) MTBE; TPH as Diesel (8015) w/ Silica Gel; Total Petroleum Oil & Grease (5520 E&F/B&F); 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's by EPA 625 / 8270 / 8310; CAM-17 Metals; LUFT 5 Metals; Lead (7240/7421/239.2/6010); RCI

Other | Comments

X X

composite

96989

ICE/t ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓

PRESERVATION APPROPRIATE ✓
CONTAINERS ✓

VOAS ORG/METALS OTHER

Relinquished By:	Date:	Time:	Received By:
Bob Schultz - CAMBRIA	10/14	3:35	[signature] 623
[signature]	10/14	4:35	[signature]

Remarks: Please composite and run one sample

TOTAL P.04

OCT-15-1998 17:35 CAMBRIA 510 420 9170 P.04/04