

Chevron Service Station 9-4800



Site Plan



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

Cambria Env. Technology	Client Project ID: #9-4800	Date Sampled: 08/06/04
5900 Hollis St, Suite A		Date Received: 08/06/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Reported: 08/10/04
Emeryvine, CA 94000	Client P.O.:	Date Completed: 08/10/04

WorkOrder: 0408106

August 10, 2004

Dear Tom:

Enclosed are:

- 1). the results of 1 analyzed sample from your #9-4800 project,
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager



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

Cambria Env. Technology	Client Project ID: #9-4800	Date Sampled: 08/06/04
5900 Hollis St, Suite A		Date Received: 08/06/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 08/06/04
Lineryvine, CA 54000	Client P.O.:	Date Analyzed: 08/09/04-08/10/04

ab ID	Client ID	Matrix	TPH(g)	MTBE	nethods: SW80211 Benzene	Toluene	Ethylbenzene	Xylenes	order: 04		
AU ID	CHOIL ID	Waiiix	1111(g)	MIDE	Denzene	Toluche	Eurytbenzene	Aylenes	DF	% 5	
001A	Comp	S	ND	ND	ND	ND	ND	ND	1	90.3	
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Reporting Limit for DF =1; ND means not detected at or	W	NA	NA	NA	NA	NA	NA	1	ug/L
above the reporting limit	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.

Angela Rydelius, Lab Manager

[#] 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.



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.nccampbell.com E-mail: main@niccampbell.com

Client Project ID: #9-4800	Date Sampled: 08/06/04
	Date Received: 08/06/04
Client Contact: Tom Sparrowe	Date Extracted: 08/06/04
Client P.O.:	Date Analyzed: 08/09/04
	Client Contact: Tom Sparrowe

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0408106

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
Lab ID	Chefft 1D	Manix	Extraction	Leau	Dr	70 30
0408106-001A	Comp	s	TTLC	41	1	102
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Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

*water/product/oil/non-aqueous liquid samples and all TCLP / 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).

i) liquid sample that contains greater than ~1 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.





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

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

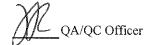
WorkOrder: 0408106

EPA Method: SW80	21B/8015Cm E	Extraction:	SW5030E	3	BatchID:	12632	2 Spiked Sample ID: 0408090-002A						
	Sample	Sample Spiked		MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%				
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High			
TPH(btex)£	ND	0.60	97.8	101	2.85	96.7	96.1	0.687	70	130			
MTBE	ND	0.10	95.9	94.8	1.18	99.3	100	0.778	70	130			
Benzene	ND	0.10	101	106	4.95	109	108	1.05	70	130			
Toluene	ND	0.10	83.4	86.3	3.45	88	85.9	2.36	70	130			
Ethylbenzene	ND	0.10	104	107	2.74	109	107	1.95	70	130			
Xylenes	ND	0.30	91	95.7	5.00	95.7	95.3	0.349	70	130			
%SS:	97.7	0.10	103	102	0.788	105	106	0.556	70	130			

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0408106

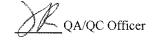
EPA Method: 6010C	E.	Extraction:	SW3050E	3	BatchID:	12633	s	Spiked Sample ID: 0408090-002A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High		
Lead	7.56	50	96.5	72.1	24.5	99.2	102	2.69	80	120		
%SS:	106	250	94.6	106	11.7	94.8	92.2	2.78	80	120		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} Acceptance Criteria for MS / MSD is between 70% and 130%. MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

-RUSHI

2408106

McCAMPBELLANALYTICAL INC. CHAIN OF CUSTODY RECORD 110 2nd AVENUE SOUTH, #D7 TURN AROUND TIME PACHECO, CA 94553-5560 RUSH 24 HR 72 HR 5 DAY Telephone: (925) 798-1620 Fax: (925) 798-1622 EDF Required? Yes No BILL TO: CHUBARA (SAME) Report To: Tom SPALLOWE Company: CHMBREA FINU Show Holl is St. Suite A Emergialle CA 54608 E-Mail: Analysis Request Other Comments KLY TUT Grease (5520 E&F/B&F) EPA 625 / 8270 / 8310 Fax: (94) 420-9170 Tele: (510) 4120 - 3316 Project #: 9-4800 Project Name: Project Location: 1700 OUSTRU ST, OAKLAND, CA Sampler Signature: OM BZ METHOD SAMPLING MATRIX BTEX ONLY (EPA Type Containers Total Petroleum Oil PRESERVED # Containers SAMPLE ID LOCATION (Field Point Name) Sludge Ice HCl HNO₃ Other Date Time Soil Air Comp 8/6/64 9-4800 1730 81404 Relinquished By: Received By: Date: Time: 10:10 8/6/04 VOAS O&G METALS OTHER **PRESERVATION** ICE/t° Religiouished By: Received By: Date: Time: GOOD CONDITION ~ APPROPRIATE CONTAINERS 7 HEAD SPACE ABSENT PERSERVED IN LAB DECHLORINATED IN LAB Relinquished By: Date: Time: Received By:



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0408106

ClientID: CETE

Report to:

Tom Sparrowe Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608 TEL:

(510) 420-0700 (510) 420-9170

FAX: (510) 420 ProjectNo: #9-4800

PO:

Bill to:

Requested TAT:

2 days

Accounts Payable

Cambria Env. Technology

5900 Hollis St, Ste. A Emeryville, CA 94608 Date Received:

8/6/04

Date Printed:

8/6/04

<u> </u>									Requ	ested	Tests	(See le	gend b	elow)					
Sample ID	ClientSampID	Matrix	Collection Date H	Hold	1 2	3	4	5	ξ	3	7	8	9	10	11	12	13	14	15
0408106-001	Comp	Soil	8/6/04 5:30:00 PM		A A						-					.//			

Test Legend:

1	G-MBTEX_S
6	
11	

2	PB_S
7	ALIGNA
12	

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5		
10		
15	(4, 804)	

Prepared by: Michelle Lopez

Comments:

48 hr rush

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.



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Cambria Env. Technology	Client Project ID: #51E-1966; 9-4800	Date Sampled: 04/12/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/12/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Reported: 04/13/04
Emeryvine, CA 34008	Client P.O.:	Date Completed: 04/13/04

WorkOrder: 0404140

April 13, 2004

Dear Tom:

Enclosed are:

- 1). the results of 4 analyzed samples from your #51E-1966; 9-4800 Oakland project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager

Yours fruly



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Cambria Env. Technology	Client Project ID: #51E-1966; 9-4800	Date Sampled: 04/12/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/12/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/12/04
Emolyvino, Ort 5 1000	Client P.O.:	Date Analyzed: 04/13/04

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

Analytical methods: SW8021B/8015Cm Extraction method: SW5030B Work Order: 0404140 Lab ID Client ID Matrix TPH(g) MTBE Benzene Toluene Ethylbenzene **Xylenes** DF % SS 001A T-8 S ND<0.050 ND<0.050 160,g,m 0.050 ND<0.050 10 85.6 190,g,m 002A T-6 S ND<0.050 0.13 0.32 0.61 10 104 003A S T-9 170,g,m ND<0.10 0.10 2.0 3.5 20 ---# 004A T-4 S ND<0.050 ND<0.050 520,g,m 0.180.47 10 102

Reporting Limit for DF =1; ND means not detected at or	W	NA	NA	NA	NA	NA	NA	1 ug/L
above the reporting limit	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 ~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.



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Cambria Env. Technology	Client Project ID: #51E-1966; 9-4800	Date Sampled: 04/12/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/12/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/12/04
Emeryvine, CA 94008	Client P.O.:	Date Analyzed: 04/13/04
Dia	cal Panga (C10 C22) Extractable Hydrogenha	ne as Diesel*

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel

Extraction method: SW	3550C	Anal	ytical methods: SW8015C	Work Order:	0404140
Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0404140-001A	T-8	S	2800,a	50	103
0404140-002A	T-6	S	990,a,d	20	88.88
0404140-003A	T-9	S	1700,a	50	97.6
0404140-004A	T-4	S	6200,a	100	127
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Reporting 1	imit for DF =1:	w	NΔ	3	NΔ

Reporting Limit for DF =1; ND means not detected at or	W	NA	NA
above the reporting limit	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 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) stoddard solvent/mineral spirit.



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Cambria Env. Technology	Client Project II Oakland	D: #51E-1966; 9	-4800	Dat	te Sampled: 04/	12/04		
5900 Hollis St, Suite A	Date R				e Received: 04/12/04			
Emeryville, CA 94608	Client Contact:	Client Contact: Tom Sparrowe			te Extracted: 04/	12/04		
Emery (me, Orr) 1000	Client P.O.:			Dat	te Analyzed: 04/	13/04		
Extraction Method: SW5030B	Oxygenated Vola	ntile Organics by		C/N	AS*	Work Ord	er: 0404140	
Lab ID	0404140-001A	0404140-002A	0404140-00	3A	0404140-004A			
Client ID	T-6	T-9		T-4	Reporting			
Matrix	S	S	S		S	DF =1		
DF	2	2	2		2	S	W	
Compound	Concentration				μg/Kg	ug/L		
tert-Amyl methyl ether (TAME)	11	13	ND<10		50	5.0	NA	
t-Butyl alcohol (TBA)	160	240	ND<50		55	25	NA	
Diisopropyl ether (DIPE)	ND<10	ND<10	ND<10		ND<10	5.0	NA	
Ethyl tert-butyl ether (ETBE)	ND<10	ND<10	ND<10		ND<10	5.0	NA	
Methyl-t-butyl ether (MTBE)	170	150	ND<10		92	5.0	NA	
	Surre	ogate Recoveries	s (%)					
%SS:	95.4	96.3	97.9		94.2			
Comments			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.



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Cambria Env. Technology	Client Project ID: #51E-1966; 9-4800	Date Sampled: 04/12/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/12/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/12/04
Emeryvine, Cit 94000	Client P.O.:	Date Analyzed: 04/13/04

Lead by ICP*

Extraction method: SW	3050B		Analytical	methods: 6010C	Work Order:	040414
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0404140-001A	T-8	S	TTLC	ND	1	109
0404140-002A	T-6	S	TTLC	ND	1	101
0404140-003A	T -9	S	TTLC	5.0	1	104
0404140-004A	T-4	S	TTLC	ND	1	104
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Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

*water/product/oil/non-aqueous liquid samples and all TCLP / 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).

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; 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.





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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

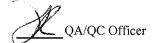
WorkOrder: 0404140

EPA Method: SW80	21B/8015Cm E	Extraction:	SW5030E	3	BatchID:	11080	S	piked Sampl	e ID: 04041	I57-019A
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) [£]	ND	0.60	102	101	1.33	101	95.3	5.44	70	130
MTBE	ND	0.10	91.6	91.7	0.0732	103	112	8.19	70	130
Benzene	ND	0.10	110	111	0.250	107	112	4.90	70	130
Toluene	ND	0.10	94.8	92.5	2.53	89.4	95.8	6.91	70	130
Ethylbenzene	ND	0.10	114	109	4.10	104	99.9	4.31	70	130
Xylenes	ND	0.30	100	99.7	0.334	95.7	96.7	1.04	70	130
%SS:	96.1	0.10	102	89.3	13.3	96.8	110	12.8	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0404140

EPA Method: SW8015C	E	Extraction:	SW35500	piked Sampl	le ID: 0404132-012A					
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	DN	150	98.9	99.2	0.285	101	101	0	70	130
%SS:	99.8	50	96	96.2	0.236	97.6	98.1	0.540	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

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

WorkOrder: 0404140

QC SUMMARY REPORT FOR SW8260B

Matrix: S

EPA Method: SW8260B Extraction: SW5030B BatchID: 11081 Spiked Sample ID: 0404140-003A LCSD LCS-LCSD Acceptance Criteria (%) Sample Spiked MS* MSD* MS-MSD* LCS % RPD % Rec. % RPD % Rec. % Rec. High µg/Kg µg/Kg % Rec. Low tert-Amyl methyl ether (TAME) 50 70 130 ND<10 105 104 0.88396.6 94.1 2.65 ND<10 0.687 70 130 Benzene 50 111 112 108 107 1.65 t-Butyl alcohol (TBA) ND<50 250 92.2 96.6 4.67 89.9 88.8 1.25 70 130 130 Chlorobenzene ND<10 50 113 116 2.32 109 110 1.43 70 1,2-Dibromoethane (EDB) ND<10 50 127 129 1.40 120 117 1.94 70 130 130 1,2-Dichloroethane (1,2-DCA) ND<10 50 106 105 0.409102 100 1.24 70 ND<10 50 106 107 1.46 106 103 3.74 70 130 1.1-Dichloroethene ND<10 1.35 79.6 78.1 1.90 130 Diisopropyl ether (DIPE) 50 85.1 84 70 Ethyl tert-butyl ether (ETBE) ND<10 50 93.5 91.4 2.25 86.4 83.2 3.79 70 130 Methyl-t-butyl ether (MTBE) ND<10 50 98.8 93.8 5.21 91.9 85.4 7.34 70 130 Toluene ND<10 50 109 111 1.97 105 103 2.28 70 130 0.0588 86.7 70 130 Trichloroethene ND<10 50 87.6 87.5 84.5 2.64 101 70 130 %SS1: 97.9 50 98.7 97.2 1.51 98.6 2.82

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0404140

EPA Method: 6010C	E	Extraction:	SW3050E	3	BatchID:	11076	S	Spiked Sample ID: 0404139-001A						
	Sample	Spiked	MS*	MS* MSD* MS-MSD LCS		LCS	LCSD	Criteria (%)						
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High				
Lead	10.49	50	81.6	117	29.4	101	100	0.843	80	120				
%SS:	106	250	103	108	4.91	99.3	101	1.90	80	120				

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

A QA/QC Officer



Page 1 of 1

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

WorkOrder: 0404140

Report to:

Tom Sparrowe

Cambria Env. Technology 5900 Hollis St, Suite A

TEL: (510) 420-0700 FAX: (510) 420-9170

Emeryville, CA 94608

ProjectNo: #51E-1966; 9-4800 Oakland PO:

Bill to:

Requested TAT:

1 day

Accounts Payable

Cambria Env. Technology

5900 Hollis St, Ste. A

Date Received:

4/12/04

Emeryville, CA 94608

Date Printed:

4/12/04

				Requested Tests (See legend below									elow)							
Sample ID	ClientSampID	Matrix	Collection Date Ho	old	1	2	3	4	5		6	7	8	9	10	11	12	13	14	15
0404140-001	T-8	Soil	4/12/04 2:05:00 PM		A	Α	Α	Α											THE PARTY OF THE P	
0404140-002	T-6	Soil	4/12/04 2:28:00 PM		Α	Α	Α	Α												
0404140-003	T-9	Soil	4/12/04 3:05:00 PM		Α	Α	Α	Α												
0404140-004	T-4	Soil	4/12/04 3:36:00 PM		Α	Α	Α	Α					ĺ				:			

Test Legend:

1	5-OXYS_S
6	
11	

2	G-MBTEX_\$
7	
12	

3	PB_S
8	
13	

4	TPH(D)_S
9	
14	

5	
10	
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.

were

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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

Cambria Env. Technology	Client Project ID: #9-4800; Chevron	Date Sampled: 04/14/04
5900 Hollis St, Suite A		Date Received: 04/15/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Reported: 04/16/04
Emeryvine, Cix 94000	Client P.O.:	Date Completed: 04/16/04

WorkOrder: 0404205

April 16, 2004

Dear Tom:

Enclosed are:

- 1). the results of 1 analyzed sample from your #9-4800; Chevron project,
- 2). a QC report for the above sample
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.nccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #9-4800; Chevron	Date Sampled: 04/14/04
5900 Hollis St, Suite A		Date Received: 04/15/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/15/04
Emeryvine, Ort 94000	Client P.O.:	Date Analyzed: 04/15/04

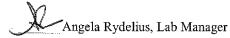
Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

	Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*										
Extraction	method: SW5030E	3		Analytical r	nethods: SW8021	B/8015Cm		Work C	order: 04	404205	
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	
001A	S-4	S	190,g,m		ND<0.050	ND<0.050	1.0	3.4	10	113	
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Reporting Limit for DF =1; ND means not detected at or	W	NA	NA	NA	NA	NA	NA	1	ug/L
above the reporting limit	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.

⁺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 ~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.



[#] cluttered chromatogram; sample peak coelutes with surrogate peak.



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		· · · · · · · · · · · · · · · · · · ·		Website: www.	mccampbell.com E-mail:	main@mccam	obell.com	,
Cambria Env	. Technology	Client Project ID:	#9-4800	; Chevron	Date Sampled:	04/14/04		
5900 Hollis S	St, Suite A				Date Received:	04/15/04		
Emeryville, (7A 04608	Client Contact: To	om Sparro	owe	Date Extracted:	04/15/04		
Efficiency vine, C		Client P.O.:			Date Analyzed:	04/16/04		
		l Range (C10-C23)		-	ns as Diesel*			
Extraction method:	SW3550C	An	nalytical metho	ods: SW8015C		Wo	rk Order:	0404205
Lab ID	Client ID	Matrix		TPH(d)			DF	% SS
0404205-001A	S-4	S		3200,a			100	#
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Reporting Limi	W	NA	NA NA
ND means not c above the rep	 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 / STLP / 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 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) stoddard solvent/mineral spirit.





Extraction method: SW3050B

McCampbell Analytical, Inc.

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Work Order: 0404205

Cambria Env. Technology	Client Project ID: #9-4800; Chevron	Date Sampled: 04/14/04
5900 Hollis St, Suite A		Date Received: 04/15/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/15/04
· · · · · · · · · · · · · · · · · · ·	Client P.O.:	Date Analyzed: 04/16/04

Lead by ICP* Analytical methods: 6010C

 Lab ID
 Client ID
 Matrix
 Extraction
 Lead
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 0404205-001A
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Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

^{*}water/product/oil/non-aqueous liquid samples and all TCLP / 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.

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).

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; 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.



[#] 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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0404205

EPA Method: SW80	21B/8015Cm E	Extraction:	SW5030E	3	BatchID: 11104 Spiked Sample ID: 040417						
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
TPH(btex) [£]	0.12	0.60	78.8	80.7	1.89	99.6	99.7	0.109	70	130	
MTBE	ND	0.10	94.6	93.2	1.49	96.5	93.1	3.54	70	130	
Benzene	ND	0.10	100	117	15.1	111	108	2.80	70	130	
Toluene	ND	0.10	85	98	14.2	95.5	93.6	2.04	70	130	
Ethylbenzene	ND	0.10	106	115	8.01	115	113	1.67	70	130	
Xylenes	ND	0.30	96.3	103	7.01	103	100	3.28	70	130	
%SS:	110	0.10	83.4	97.6	15.7	103	95.3	7.77	70	130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0404205

EPA Method: SW8015C	E	Extraction:	>	BatchID: 11107			Spiked Sample ID: 0404186-001A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	103	97	5.95	97.6	98.8	1.22	70	130
%SS:	98.5	50	99	96.7	2.35	96.7	97.6	0.952	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

QA/QC Officer

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate,

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



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

QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0404205

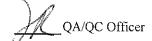
EPA Method: 6010C	1	Extraction:	SW3050E	3	BatchID:	11111	Spiked Sample ID: 0404204-001A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	6.20	50	92.1	95.1	2.88	110	113	2.42	80	120
%SS:	107	250	106	101	5.01	118	114	2.93	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

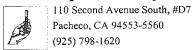
N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0404205

ClientID: CETE

Report to:

Tom Sparrowe Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608 TEL: FAX:

(510) 420-0700 (510) 420-9170

ProjectNo: #9-4800; Chevron

PO:

Bill to:

Requested TAT:

1 day

Accounts Payable

Cambria Env. Technology

5900 Hollis St, Ste. A Emeryville, CA 94608 Date Received:

4/15/04

Date Printed:

ted: 4/15/04

			Requested Tests (See legend below)								
Sample ID	ClientSampID	Matrix Collection Da	ite Hold 1	2 3	4	5 6	7 8	9 10	11 12	13 14	15
0404205-001	S-4	Soil 4/14/04 3:00:00	РМ 🗌 🔼	A A	520						

Test Legend:

1	G-MBTEX_S]
6]
11		

2	PB_S
7	
12	

3	TPH(D)_S	
8		
13		

4	
9	
14	

5	
10	
15	

Prepared by: Maria Venegas

Comments:

24hr Rush

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.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories Where quality is a science.			Acc	st. #: ,				_ Sa			anca	ster	Labora	atorie	s use	6510		4	
0404205								,,,	Α	naly	ses	Red	queste	ed	(Sept.) has	e u maneri de	ान्त्रं वर्षेक्वाक्षेत्रं स्वर्थान्त्रः स्वर्थान्त्रः स्वर्थान्त्रः स्वर्थान्त्रः स्वर्थान्त्रः स्वर्थान्त्रः		
Facility #: CLEVRON 9-4800									F	res	erva	tion	Code	s				tive Code	
Site Address: 1700 CHSTRO STREAT, QAKLAWN, C						—		dnı			010		-				H = HCl N = HNO₃	T = Thioso B = NaOH	1
Chevron PM: Laren STETCH Lead Consultant: Ch					ıΩ	,		Gel Cleanup			29						S = H ₂ SO ₄	O = Other	
Consultant/Office: 5500 Hollis 5/(50) Le 11) to Consultant Prj. Mgr.: TOM SPAGNOWE		le CA	,		of Containers	□ 8024 2 4		Silica Gel		(A						☐ J value report	vest detection	
Consultant Prj. Mgr.: TOM SPAGLOWE					5	28 □		lis 🗆			10						possible for 8	260 compot	inds
Consultant Phone # (5/0) (10-33/6 Fax #: (5/0)	420 - 917	20				8260	GRO	TPH 8015 MOD DRO		S	7421 □						8021 MTBE Co		60
Sampler: 30h Octege				<u>e</u>			MOD	MOD	lä.	Oxygenates							Confirm all hi	•	
Service Order #: Non SAR:				Composite	Total Number	BTEX + MADE	TPH 8015 MOD	3015	8260 full scan	ő	7420						Run ox		st hit
Field Repeat Top Point Name Matrix Sample Depth Year Month Day		view	Grab	6	Tota	3TEX	H.	PH.S	3260		Lead						Run ox	's on all hits	s
Point Name Matrix Sample Depth Year Month Day		16:01 (.)		املا	U	X	X	-7	_	·	7						Comments /	Remarks	
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	ICE/C										Samuel Samuel				_				
	GOOD	CONDITION	ENT.	- CB-040		appi Con	OPE	iate ers						_		-			
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	Relinquished	K r) 		<u>. </u>	1	Date	7	Time	<u> </u>	Receiv	ed by	7		11	Date	Time
Turnaround Time Requested (TAT) (please circle)		$I_{\mathcal{A}}$	/ >	7	/ <u></u>	o recognision	-		l/u		1:30	100	Receiv		M	W	11190	Pate 4/15/04	
STD. TAT 72 hour 48 hour 24 hour 5 day	Relinquished	by:	<u></u>			The Park of the Pa	>		Date		Time		Receiv				"	Date	Time
Z4-ROUL 4 day 3 day	Relinquished	hv:							Date	+	Time	<u></u>	Receiv	ed by:	•			Date	Time
Data Package Options (please circle if required)	Kemiquished	ωy.							Date		1,7111		. 100011						
QC Summary Type I – Full	Relinquished by Commercial Carrier: Received by:					Date	Time												
Type VI (Raw Data) Coelt Deliverable not needed WIP (RWQCB)	UPS	FedEx		Oti	her_												-		
Disk	Temperature Upon ReceiptC°C						Custody Seals Intact? Yes No												



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

Cambria Env. Technology	Client Project ID: #516-1966; 9-4800	Date Sampled: 04/12/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/13/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Reported: 04/14/04
Emeryonic, CA 94000	Client P.O.:	Date Completed: 04/14/04

WorkOrder: 0404159

April 14, 2004

Dear Tom:

Enclosed are:

- 1). the results of 5 analyzed samples from your #516-1966; 9-4800 Oakland project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager



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Cambria Env. Technology	,	Date Sampled: 04/12/04-04/13/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/13/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/13/04
Lineryvine, CA 74000	Client P.O.:	Date Analyzed: 04/13/04-04/14/04

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

Extraction	method: SW5030F	3		Analytical	methods: SW8021	B/8015Cm		Work (Order: 0	404159
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	S-10	S	88,g,m		ND<0.050	ND<0.050	0.14	0.67	10	100
002A	S-11	S	110,g,m		ND<0.050	ND<0.050	0.28	0.91	10	98.9
003A	P-3	s	ND		ND	ND	ND	ND	1	83.8
004A	P-10	S	ND		ND	ND	ND	ND	1	88.8
005A	P-11	S	ND		ND	ND	ND	ND	1	86.8
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above the reporting limit $S = 1.0 = 0.05 = 0.005 = 0.005 = 0.005 = 1 mg/V_G$	Reporting Limit for DF =1; ND means not detected at or	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.

Angela Rydelius, Lab Manager

[#] 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 ~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.



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Cambria Env. 1	echnology	1 .	ject ID: #516-1966; 9-4800	Date Sampled: 04/12/0	4-04/13/0	04		
5900 Hollis St,	ktraction method: SW3550C Lab ID Client ID		St, Suite A Date Received: 04/13/0				4	
Emeranilla CA	04608	Client Cor	ntact: Tom Sparrowe	Date Extracted: 04/13/0	4			
Emeryeme, CA	. 94008	Client P.O).:	Date Analyzed: 04/13/0	4-04/14/0	04		
	Die	esel Range (C	10-C23) Extractable Hydrocarbo	ons as Diesel*				
Extraction method: SW	/3550C		Analytical methods: SW8015C		Work Order:	0404159		
Lab ID	Client ID	Matrix	TPH(d)		DF	% SS		
0404159-001A	S-10	s	1300,a		20	88.2		
0404159-002A	S-11	S	720,a,g,	d	5	88.1		
0404159-003A	P-3	S	ND		1	99.4		
0404159-004A	P-10	s	ND		1	99.2		
0404159-005A	P-11	S	ND		1	98.2		
						<u> </u>		

<u> </u>			
Reporting Limit for DF =1; ND means not detected at or	W	NA	NA
above the reporting limit	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.

⁺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) stoddard solvent/mineral spirit.



[#] 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.



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Cambria Env. Technology		D: #516-1966; 9	-4800	Date Sampled: 04/12/04-04/13/04			
Oakland Date Received: 04/							
Emeryville, CA 94608	Client Contact:	Tom Sparrowe		Date Extracted: 04	/13/04		
Emeryonic, CA 94000	Client P.O.:			Date Analyzed: 04	/14/04		
(Oxygenated Vola	tile Organics by	P&T and G	C/MS*			
Extraction Method: SW5030B	Ana	alytical Method: SW8260	В		Work Ord	er: 0404159	
Lab ID	0404159-003A	0404159-004A	0404159-005	5A		:	
Client ID	P-3	P-10	P-11			Limit for	
Matrix	S	S	S		DF	=1	
DF	20	10	4		S	W	
Compound		Conce	entration		μg/Kg	ug/L	
tert-Amyl methyl ether (TAME)	ND<100	ND<50	ND<20		5.0	NA	
t-Butyl alcohol (TBA)	ND<500	330	140		25	NA	
Diisopropyl ether (DIPE)	ND<100	ND<50	ND<20		5.0	NA	
Ethyl tert-butyl ether (ETBE)	ND<100	ND<50	ND<20		5.0	NA	
Methyl-t-butyl ether (MTBE)	2200	620	470		5.0	NA	
	Surre	ogate Recoveries	(%)			1	
%SS:	95.0	93.3	93.9				
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 ~2 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@nccampbell.com

Cambria Env. Technology	,	Date Sampled: 04/12/04-04/13/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/13/04
Emeraville CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/13/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/14/04

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0404159 Client ID Lab ID Matrix Extraction Lead % SS 0404159-001A S-10 S TTLC 6.0 1 111 S 0404159-002A S-11 TTLC 34 109 P-3 S 0404159-003A TTLC 6.4 1 101 S 0404159-004A P-10 TTLC ND 1 106 0404159-005A P-11 S TTLC ND 1 101

Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

*water/product/oil/non-aqueous liquid samples and all TCLP / 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).

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; 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.





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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0404159

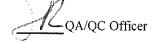
EPA Method: SW8021B/80	15Cm I	Extraction:	SW5030E	3	BatchID: 11080 Spiked Sample ID: 0404157						
	Sample	Sample Spiked		MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
TPH(btex) [£]	ND	0.60	102	101	1.33	101	95.3	5.44	70	130	
MTBE	ND	0.10	91.6	91.7	0.0732	103	112	8.19	70	130	
Benzene	ND	0.10	110	111	0.250	107	112	4.90	70	130	
Toluene	ND	0.10	94.8	92.5	2.53	89.4	95.8	6.91	70	130	
Ethylbenzene	ND	0.10	114	109	4.10	104	99.9	4.31	70	130	
Xylenes	ND	0.30	100	99.7	0.334	95.7	96.7	1.04	70	130	
%SS:	96.1	0.10	102	89.3	13.3	96.8	110	12.8	70	130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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QC SUMMARY REPORT FOR SW8015C

Matrix: S

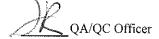
WorkOrder: 0404159

EPA Method: SW8015C	E	Extraction:	SW3550C BatchID: 11089			Spiked Sample ID: 0404157-008A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD LCS-LCSD		Acceptance Criteria (%	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	101	101	0	101	101	0	70	130
%SS:	102	50	98.5	98.6	0.0663	97	97.4	0.407	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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WorkOrder: 0404159

QC SUMMARY REPORT FOR SW8260B

Matrix: S

EPA Method: SW8260B Extraction: SW5030B BatchID: 11081 Spiked Sample ID: 0404140-003A

	· · ·									
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	μg/Kg	μg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	ND<10	50	105	104	0.883	96.6	94.1	2.65	70	130
Benzene	ND<10	50	111	112	0.687	108	107	1.65	70	130
t-Butyl alcohol (TBA)	ND<50	250	92.2	96.6	4.67	89.9	88.8	1.25	70	130
Chlorobenzene	ND<10	50	113	116	2.32	109	110	1.43	70	130
1,2-Dibromoethane (EDB)	ND<10	50	127	129	1.40	120	117	1.94	70	130
1,2-Dichloroethane (1,2-DCA)	ND<10	50	106	105	0.409	102	100	1.24	70	130
1,1-Dichloroethene	ND<10	50	106	107	1.46	106	103	3.74	70	130
Diisopropyl ether (DIPE)	ND<10	50	85.1	84	1.35	79.6	78.1	1.90	70	130
Ethyl tert-butyl ether (ETBE)	ND<10	50	93.5	91.4	2.25	86.4	83.2	3.79	70	130
Methyl-t-butyl ether (MTBE)	ND<10	50	98.8	93.8	5.21	91.9	85.4	7.34	70	130
Toluene	ND<10	50	109	111	1.97	105	103	2.28	70	130
Trichloroethene	ND<10	50	87.6	87.5	0.0588	86.7	84.5	2.64	70	130
%SS1:	97.9	50	98.7	97.2	1.51	101	98.6	2.82	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels

LQA/QC Officer



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.nccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR 6010C

Matrix: S

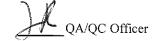
WorkOrder: 0404159

EPA Method: 6010C	E	SW3050E	3050B BatchID: 11087 S			Spiked Sample ID: N/A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	N/A	50	N/A	N/A	N/A	118	105	12.3	80	120
%SS:	N/A	250	N/A	N/A	N/A	103	96.8	5.76	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

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

WorkOrder: 0404159

Report to:

Tom Sparrowe

Cambria Env. Technology 5900 Hollis St, Suite A

Emeryville, CA 94608

TEL: FAX: (510) 420-0700

FAX: (510) 420-9170 ProjectNo: #516-1966; 9-4800 Oakland

PO:

Bill to:

Requested TAT:

1 day

Accounts Payable

Cambria Env. Technology

5900 Hollis St, Ste. A

Date Received:

4/13/04

Emeryville, CA 94608

Date Printed:

4/13/04

				Γ						R	eques	ted T	ests	(See le	gend	belo	w)					
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2	3	4		5	6		7	8	9		10	11	12	13	14	15
0404159-001	S-10	Soil	4/13/04 4:00:00 PM			Α	Α	Α														
0404159-002	S-11	Soil	4/13/04 4:00:00 PM			Α	A	A														
0404159-003	P-3	Soil	4/13/04 4:50:00 PM		Α	Α	Α	A														
0404159-004	P-10	Soil	4/12/04 5:20:00 PM		Α	Α	Α	A														
0404159-005	P-11	Soil	4/12/04 5:25:00 PM		Α	Α	A	Α											1			

Test Legend:

1	5-OXYS_S
6	
11	

2	G-MBTEX_S	
7		-
12		7

;	3	PB_\$
	8	
1	13	

4	
9	
14	

5	 	
10		
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.

Cefe

0404159

Bush!



McCAMPBELL ANALYTICAL INC. 110 2nd AVENUE SOUTH, #D7 TURN AROUND TIME PACHECO, CA 94553-5560 RÚSH 24 HR 48 HR 72 HR 5 DAY Telephone: (925) 798-1620 Fax: (925) 798-1622 EDF Required? Coelt (Normal) Write On (DW) No No Report To: Tom Spartone Combig Egu Bill To: Analysis Request Other Comments Company: Combro Environmenters Total Petroleum Oil & Grease (5520 E&F/B&F) E-Mail: Esparrowal Deambig en PAH's / PNA's by EPA 625 / 8270 / 8310 Total Petroleum Hydrocarbons (418.1) Fax: (510) 4209710 Tele: (+10) 420 3 316 EPA 624 / 8240(8260) AMBE 1966 Project Name: 9-4,800 Cardians Project #: 5/6 -1966 BTEX ONLY (EPA 602 / 8020) Lead (7240/7421/239.2(6010) Project Location: Weer Sampler Signature: METHOD TPH as Diesel (8015) SAMPLING MATRIX PRESERVED CAM-17 Metals SAMPLE ID BTEX & TOPE LOCATION Air Sludge (Field Point Name) Date Time HNO3 Soil HC Ice Stocapile 104/13/00 16:00 Stocapila 04/13/04/6:00 00 12/695 04/13/04/16:50 a 4 895 04/12/04 24 Egs . ایگر 04/12/04 17:25 1 Relinquished By: Received By: Date: Time: Nina Knirll VOAS | O&G METALS OTHER 04.13.0 ICE/to PRESERVATION_ Date: Time: Received By: GOOD CONDITION APPROPRIATE HEAD SPACE ABSENT_____ CONTAINERS_ DECHLORINATED IN LAB PERSERVED IN LAB Relinquished By: Date: Time: Received By:



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

Cambria Env. Technology	Client Project ID: #51E-1966; 9-4800	Date Sampled: 04/15/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/15/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Reported: 04/16/04
Entryvine, CA 94008	Client P.O.:	Date Completed: 04/16/04

WorkOrder: 0404204

April 16, 2004

Dear Tom:

Enclosed are:

- 1). the results of 3 analyzed samples from your #51E-1966; 9-4800 Oakland project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Angela Rydelius, Lab Manager

Yours frul



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

Cambria Env. Technology	9	Date Sampled: 04/15/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/15/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/15/04
Emeryvine, CA 74008	Client P.O.:	Date Analyzed: 04/16/04

Casoline Range (C6-C12) Volatile Hydrocarbons as Casoline with BTEX and MTRE*

	Gaso	line Rang	ge (C6-C12)	Volatile Hyd	lrocarbons as	Gasoline wi	th BTEX and I	MTBE*		
Extraction	method: SW5030	В		Analytical	methods: SW80211	B/8015Cm		Work	Order: 0	404204
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	P-3	S	ND		ND	ND	ND	ND	1	88.9
002A	P-10	s	ND		0.027	0.043	0.017	0.068	1	94.2
003A	P-11	S	ND		ND	ND	ND	ND	1	97.4
						_				
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	,									
-										
	According to the control terms and According									
			nagan, a, a a a a a a a a a a a a a a a a a							
									İ	

Reporting Limit for DF =1; ND means not detected at or	W	NA	NA	NA	NA	NA	NA	1	ug/L
above the reporting limit	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 ~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.



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

Cambria Env. Technology	Client Project ID: #51E-1966; 9-4800	Date Sampled: 04/15/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/15/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/15/04
Emeryvine, CA 34000	Client P.O.:	Date Analyzed: 04/15/04

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

Extraction method: SW	3550C		Analytical methods: SW8015C	Work Order:	0404204
Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0404204-001A	P-3	S	ND	1	98.0
0404204-002A	P-10	s	ND	1	98.9
0404204-003A	P-11	s	ND	1	95.4
			The second secon		
					1

Reporting Limit for DF =1; ND means not detected at or	W	NA	NA
above the reporting limit	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.

⁺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) stoddard solvent/mineral spirit.



[#] 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.



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Cambria Env. Technology	, ,	Date Sampled: 04/15/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/15/04
3900 noms si, suite A	Client Contact: Tom Sparrowe	Date Extracted: 04/15/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/15/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0404204

Extraction Method: SW5030B		Ana	alytical Met	hod: SW8260B	Work	Order: 0	404204		
Lab ID	0404204-001A								
Client ID	P-3								
Matrix			\$ 00 man a \$100 a min \$1 min a 2 min	Soil					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit		
Acetone	ND<1000	20	50	Acrolein (Propenal)	ND<1000	20	50		
Acrylonitrile	ND<400	20	20	tert-Amyl methyl ether (TAME)	ND<100	20	5.0		
Benzene	ND<100	20	5.0	Bromobenzene	ND<100	20	5.0		
Bromochloromethane	ND<100	20	5.0	Bromodichloromethane	ND<100	20	5.0		
Bromoform	ND<100	20	5.0	Bromomethane	ND<100	20	5.0		
2-Butanone (MEK)	ND<200	20	10	t-Butyl alcohol (TBA)	ND<500	20	25		
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0		
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0		
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0		
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<200	20	10		
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0		
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0		
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0		
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0		
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0		
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0		
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0		
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0		
trans-1.2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0		
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0		
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0		
trans-1,3-Dichloropropene	ND<100	20	5.0	Diisopropyl ether (DIPE)	ND<100	20	5.0		
Ethylbenzene	ND<100	20	5.0	Ethyl tert-butyl ether (ETBE)	ND<100	20	5.0		
Hexachlorobutadiene	ND<100	20	5.0	Hexachloroethane	ND<100	20			
2-Hexanone	ND<100	20	5.0	Isopropylbenzene	ND<100	20	5.0		
4-Isopropyl toluene	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100 2800	20	5.0		
Methylene chloride	ND<100	20					5.0		
			5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0		
Naphthalene	ND<100	20	5.0	Nitrobenzene	ND<2000	20	100		
n-Propyl benzene 1,1,1,2-Tetrachloroethane	ND<100	20	5.0	Styrene	ND<100	20	5.0		
	ND<100	20_	5.0	1,1,2,2-Tetrachloroethane	ND<100	20	5.0		
Tetrachloroethene	ND<100	20	5.0	Toluene	ND<100	20	5.0		
1,2,3-Trichlorobenzene	ND<100	20	5.0	1,2,4-Trichlorobenzene	ND<100	20	5.0		
1,1,1-Trichloroethane	ND<100	20	5.0	1,1,2-Trichloroethane	ND<100	20	5.0		
Trichloroethene	ND<100	20	5.0	Trichlorofluoromethane	ND<100	20	5.0		
1,2,3-Trichloropropane	ND<100	20	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<2000	20	100		
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0		
Vinyl Chloride	ND<100	20	5.0	Xylenes	ND<100	20	5.0		
			rogate R	ecoveries (%)					
%SS1:	98.			%SS2:	100)			
%SS3:	122	2		<u> </u>					

Comments:

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.



^{*} 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.



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Cambria Env. Technology	3	Date Sampled: 04/15/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/15/04
	Client Contact: Tom Sparrowe	Date Extracted: 04/15/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/15/04

Emeryvine, CA 94008	Client P.O.: Date Analyzed: 04/15/04								
	Volatiles Organi	cs by I	AT an	d GC/MS (Basic Target List)	k				
Extraction Method: SW5030B		Ana	lytical Met	hod: SW8260B	Work	Order: 04	104204		
Lab ID				0404204-002A					
Client ID				P-10					
Matrix	Matrix Soil								
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting		
Acetone	ND<5000	100	50	Acrolein (Propenal)	ND<5000	100	Limit 50		
Acrylonitrile	ND<2000	100	20	tert-Amyl methyl ether (TAME)	ND<500	100	5.0		
Benzene	ND<500	100	5.0	Bromobenzene	ND<500	100	5.0		
Bromochloromethane	ND<500	100	5.0	Bromodichloromethane	ND<500	100	5.0		
Bromoform	ND<500	100	5.0	Bromomethane	ND<500	100	5.0		
2-Butanone (MEK)	ND<1000	100	10	t-Butyl alcohol (TBA)	ND<2500	100	25		
n-Butyl benzene	ND<500	100	5.0	sec-Butyl benzene	ND<500	100	5,0		
tert-Butyl benzene	ND<500	100	5.0	Carbon Disulfide	ND<500	100	5.0		
Carbon Tetrachloride	ND<500	100	5.0	Chlorobenzene	ND<500	100	5.0		
Chloroethane	ND<500	100	5.0	2-Chloroethyl Vinyl Ether	ND<1000	100	10		
Chloroform	ND<500	100	5.0	Chloromethane	ND<500	100	5.0		
2-Chlorotoluene	ND<500	100	5.0	4-Chlorotoluene	ND<500	100	5.0		
Dibromochloromethane	ND<500	100	5.0	1,2-Dibromo-3-chloropropane	ND<500	100	5.0		
1,2-Dibromoethane (EDB)	ND<500	100	5.0	Dibromomethane			-		
. ,	ND<500	100	· 		ND<500	100	5.0		
1,2-Dichlorobenzene			5.0	1,3-Dichlorobenzene	ND<500	100	5.0		
1,4-Dichlorobenzene	ND<500	100	5.0	Dichlorodifluoromethane	ND<500	100	5.0		
1,1-Dichloroethane	ND<500	100	5.0	1,2-Dichloroethane (1,2-DCA)	ND<500	100	5.0		
1,1-Dichloroethene	ND<500	100	5.0	cis-1,2-Dichloroethene	ND<500	100	5.0		
trans-1,2-Dichloroethene	ND<500	100	5.0	1,2-Dichloropropane	ND<500	100	5.0		
1,3-Dichloropropane	ND<500	100	5.0	2,2-Dichloropropane	ND<500	100	5.0		
1,1-Dichloropropene	ND<500	100	5.0	cis-1,3-Dichloropropene	ND<500	100	5.0		
trans-1,3-Dichloropropene	ND<500	100	5.0	Diisopropyl ether (DIPE)	ND<500	100	5.0		
Ethylbenzene	ND<500	100	5.0	Ethyl tert-butyl ether (ETBE)	ND<500	100	5.0		
Hexachlorobutadiene	ND<500	100	5.0	Hexachloroethane	ND<500	100	5.0		
2-Hexanone	ND<500	100	5.0	Isopropylbenzene	ND<500	100	5.0		
4-Isopropyl toluene	ND<500	100	5.0	Methyl-t-butyl ether (MTBE)	6300	100	5.0		
Methylene chloride	ND<500	100	5.0	4-Methyl-2-pentanone (MIBK)	ND<500	100	5.0		
Naphthalene	ND<500	100	5.0	Nitrobenzene	ND<10,000	100	100		
n-Propyl benzene	ND<500	100	5.0	Styrene	ND<500	100	5.0		
1,1,1,2-Tetrachloroethane	ND<500	100	5.0	1,1,2,2-Tetrachloroethane	ND<500	100	5.0		
Tetrachloroethene	ND<500	100	5.0	Toluene	ND<500	100	5.0		
1,2,3-Trichlorobenzene	ND<500	100	5.0	1,2,4-Trichlorobenzene	ND<500	100	5.0		
1,1,1-Trichloroethane	ND<500	100	5.0	1,1,2-Trichloroethane	ND<500	100	5.0		
Trichloroethene	ND<500	100	5.0	Trichlorofluoromethane	ND<500	100	5.0		
1,2,3-Trichloropropane	ND<500	100	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<10,000	100	100		
1,2,4-Trimethylbenzene	ND<500	100	5.0	1,3,5-Trimethylbenzene	ND<500	100	5.0		
Vinyl Chloride	ND<500	100	5.0	Xylenes	ND<500	100	5.0		
		Sur	rogate R	ecoveries (%)			***************************************		
%SS1:	99.		-	%SS2:	98.	9			
%SS3·	10								

Comments:

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.



^{*} 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.



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Cambria Env. Technology	, ,	Date Sampled: 04/15/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/15/04
3900 Hollis Bi, Bulk A	Client Contact: Tom Sparrowe	Date Extracted: 04/15/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/15/04

Emeryville, CA 94608	Client P.O.:	:	Date Analyzed: 04/15/04					
7	Volatiles Organi	es by I	P&T an	nd GC/MS (Basic Target List)*				
Extraction Method: SW5030B		An	alytical Met	thod: SW8260B	Work	Order: 04	404204	
Lab ID				0404204-003A				
Client ID				P-11				
Matrix				Soil				
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit	
Acetone	ND<1000	20	50	Acrolein (Propenal)	ND<1000	20	50	
Acrylonitrile	ND<400	20	20	tert-Amyl methyl ether (TAME)	ND<100	20	5.0	
Benzene	ND<100	20	5.0	Bromobenzene	ND<100	20	5.0	
Bromochloromethane	ND<100	20	5.0	Bromodichloromethane	ND<100	20	5.0	
Bromoform	ND<100	20	5.0	Bromomethane	ND<100	20	5.0	
2-Butanone (MEK)	ND<200	20	10	t-Butyl alcohol (TBA)	ND<500	20	25	
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0	
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0	
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0	
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<200	20	10	
Chloroform		20	5.0	Chloromethane	ND<100	20	5.0	
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0	
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0	
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0	
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0	
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0	
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0	
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0	
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0	
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichlerepropane	ND<100	20	5.0	
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0	
trans-1,3-Dichloropropene	ND<100	20	5.0	Diisopropyl ether (DIPE)	ND<100	20	5.0	
Ethylbenzene	ND<100	20	5.0	Ethyl tert-butyl ether (ETBE)	ND<100	20	5.0	
Hexachlorobutadiene	ND<100	20	5.0	Hexachloroethane	ND<100	20	5.0	
2-Hexanone	ND<100	20	5.0	Isopropylbenzene	ND<100	20	5.0	
4-Isopropyl toluene	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	2600	20	5.0	
Methylene chloride	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0	
Naphthalene	ND<100	20	5.0	Nitrobenzene	ND<2000	20	100	
n-Propyl benzene	ND<100	20	5.0	Styrene	ND<100	20	5.0	
1,1,1,2-Tetrachloroethane	ND<100	20	5.0	1,1,2,2-Tetrachloroethane	ND<100	20	5.0	
Tetrachloroethene	ND<100	20	5.0	Toluene	ND<100	20	5.0	
1,2,3-Trichlorobenzene	ND<100	20	5.0	1,2,4-Trichlorobenzene	ND<100	20	5.0	
1,1,1-Trichloroethane	ND<100	20	5.0	1,1,2-Trichloroethane	ND<100	20	5.0	
Trichloroethene	ND<100	20	5.0	Trichlorofluoromethane	ND<100	20	5.0	
1,2,3-Trichloropropane	ND<100	20	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<2000	20	100	
1,2,4-Trimethylbenzene	ND<100	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0	
Vinyl Chloride	ND<100	20	5.0	Xylenes	ND<100	20	5.0	
		Sur		ecoveries (%)		 		
%SS1:	95.			%SS2:	98.′	7		
	, , , , , , , , , , , , , , , , , , , ,			700024	76.	·		

Comments

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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.



^{*} 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.



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

Cambria Env. Technology	, ,	Date Sampled: 04/15/04
5900 Hollis St, Suite A	Oakland	Date Received: 04/15/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/15/04
Enteryvine, CA 94000	Client P.O.:	Date Analyzed: 04/15/04-04/16/04

Lead by ICP*

Extraction method: SW:	tion method: SW3050B		Analytical	Work Order:	0404204	
Lab lD	Client ID	Matrix	Extraction	Lead	DF	% SS
0404204-001A	P-3	S	TTLC	6.6	1	104
0404204-002A	P-10	s	TTLC	11	1	110
0404204-003A	P-11	S	TTLC	9.1	1	110

Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

^{*}water/product/oil/non-aqueous liquid samples and all TCLP / 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).

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; 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.





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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

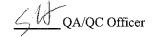
WorkOrder: 0404204

EPA Method: SW80	В	BatchID: 11104		Spiked Sample ID: 0404175-001A						
	Sample	Spiked	MS*	MSD*	MS-MSD*	ISD* LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) [£]	0.12	0.60	78.8	80.7	1.89	99.6	99.7	0.109	70	130
MTBE	ND	0.10	94.6	93.2	1.49	96.5	93.1	3.54	70	130
Benzene	ND	0.10	100	117	15.1	111	108	2.80	70	130
Toluene	ND	0.10	85	98	14.2	95.5	93.6	2.04	70	130
Ethylbenzene	ND	0.10	106	115	8.01	115	113	1.67	70	130
Xylenes	ND	0.30	96.3	103	7.01	103	100	3.28	70	130
%SS:	110	0.10	83.4	97.6	15.7	103	95.3	7.77	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0404204

EPA Method: SW8015C	E	Extraction:	SW35500	С	BatchID:	11107	S	piked Samp	le ID: 04041	186-001A
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	103	97	5.95	97.6	98.8	1.22	70	130
%SS:	98.5	50	99	96.7	2.35	96.7	97.6	0.952	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

4 QA/QC Officer



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QC SUMMARY REPORT FOR SW8260B

Matrix: S

WorkOrder: 0404204 EPA Method: SW8260B Extraction: SW5030B BatchID: 11122 Spiked Sample ID: 0404223-001A LCSD MS* MSD* Acceptance Criteria (%) Sample Spiked MS-MSD* LCS LCS-LCSD % Rec. % RPD % Rec. % Rec. % RPD µg/Kg % Rec. μg/Kg Low High tert-Amyl methyl ether (TAME) 50 92.5 ND 93 0.615 104 111 6.24 70 130 Benzene ND 50 114 0 114 118 125 5.46 70 130 t-Butyl alcohol (TBA) ND 250 87 88.2 1.43 109 117 6.98 70 130 102 Chlorobenzene ND 50 103 0.898 105 111 5.49 70 130 1,2-Dibromoethane (EDB) ND 50 95.9 96.4 0.549 107 113 70 6.17 130 1,2-Dichloroethane (1,2-DCA) ND 50 108 107 0.142 117 123 4.62 70 130 1,1-Dichloroethene ND 50 96.1 99.3 3.30 115 121 4.49 70 130 Diisopropyl ether (DIPE) 97.3 ND 50 97.9 0.596 103 111 7.24 70 130 Ethyl tert-butyl ether (ETBE) ND 50 92.3 93.1 0.767 105 112 6.86 70 130 Methyl-t-butyl ether (MTBE) ND 50 89.7 90.1 0.391 108 114 5.08 70 130 Toluene ND 50 99.5 2.08 106 113 6.11 70 130 Trichloroethene ND 50 81.8 82 0.258 90.5 95.9 5.87 70 130 %SS1: 94.0 50 97.6 97.6 0 104 103 1.17 70 130 %SS2: 98.3 105 50 100 2.06 100 101 0.493 70 130 %SS3: 108 50 102 103

0.728

104

102

2.14

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

51/ QA/QC Officer

70

130

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



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QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0404204

EPA Method: 6010C	E	Extraction:	SW3050I	3	BatchID:	11111	S	piked Samp	le ID: 04042	204-001A
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Lead	6.20	50	92.1	95.1	2.88	110	113	2.42	80	120
%SS:	107	250	106	101	5.01	118	114	2.93	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

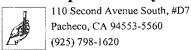
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR ≃ analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

2// QA/QC Officer



CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 0404204

ClientID: CETE

Report to:

Tom Sparrowe

Cambria Env. Technology

5900 Hollis St, Suite A Emeryville, CA 94608

TEL: FAX: (510) 420-0700 (510) 420-9170

ProjectNo: #51E-1966; 9-4800 Oakland

PO:

Bill to:

Requested TAT:

1 day

Accounts Payable

Cambria Env. Technology

5900 Hollis St, Ste. A

Date Received:

4/15/04 4/15/04

Emeryville, CA 94608

Date Printed:

									Re	ques	sted	Tests	(See	leger	nd be	low)						
Sample ID	ClientSamplD	Matrix	Collection Date Hold	1	2	3	4	;	5	6		7	8	!	9	10	1	1	12	13	14	15
																	,					
0404204-001	P-3	Soil	4/15/04 9:15:00 AM	Α	Α	Α	Α										j	i				
0404204-002	P-10	Soil	4/15/04 9:25:00 AM	Α	Α	Α	Α		1								Ϊ					
0 10 120 1 002			111177777																			- 1

Test Legend:

1	8260B_S
6	
11	

2	G-MBTEX_S
7	
12	

3	PB_S	
8		
13		

4	TPH(D)_S
9	
14	

5	
10	
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.

(8)2



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, , ,	PACHEC	D, CA 9455	3-556	5560									TURN AROUND TIME							Q	USH	F	24 H		48 HR				HR	5 DAY	
Telephone: (925) 798-				Fav. (025) 709-1622									EDF Required? Coelt (Normal) No Write On (DW																		
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Company: Cambria !	<u> </u>	mens	۸.											3&F						3											
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Tele: (510) 420-3316	11													<u>E</u> 0	8.1)					7	8/(-				(B015)	ļ				
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Sampler Signature:	0		*****	uwc, CH										8	ocar		02/		ō/	S	A 6			(8)		gasolime			-		
	SAMP	LING		MATRIX METHOD PRESERVED								\$	(8015)	Jil &	Total Petroleum Hydrocarbons (418.1)		BTEX ONLY (EPA 602 / 8020)		EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 (8260) WT PE EDA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310			Lead (7240/7421/239.1(6010))			.				
	57,411,52		SI	ine	-				FRE	SER	V E.D	4	1 (8(Ę	III	8	<u> </u>	8	80	6 5	rs b	tals	als	7421		99	ļ				
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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

Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Reported: 04/09/04
Diletyvino, Cri 94000	Client P.O.:	Date Completed: 04/09/04

WorkOrder: 0404098

April 09, 2004

Dear Tom:

Enclosed are:

- 1). the results of 8 analyzed samples from your #31E-1966; 9-4800 project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

90

Angela Rydelius, Lab Manager



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

Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryvine, CA 94008	Client P.O.:	Date Analyzed: 04/09/04
Co	osolino Dengo (C6, C12) Volatilo Uvdvocevbo	no as Carolino *

Gasoline Range (Co-C12) volatile Hydrocarbons as Gasoline

tion method: S	W5030B	Analy	tical methods: SW8015Cm	Work Order:	040409
Lab ID	Client ID	Matrix	ТРН(g)	DF	% S
001A	T-1	S	ND	1	86.0
002A	T-2	s	20,g,m	1	87.6
003A	Т-3	S	13,g,m	1	84.3
004A	T-4	S	74,g,m	5	87.:
005A	T-5	S	160,b,m	50	93.
006A	T-6	S	860,b,m	50	109
007A	Т-7	S	ND	1	91.:
008A	T-8	S	170,g,m	40	102
			The state of the s		
Reporting	Limit for DF =1;	W	NA	N	A

ND means not detected at or above the reporting limit	S	1.0	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/ν	vipe,

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

product/oil/non-aqueous liquid samples in mg/L.

⁺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 ~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.



110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 $Telephone: 925\text{-}798\text{-}1620 \quad Fax: 925\text{-}798\text{-}1622$ Website: www.mccampbell.com E-mail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04				
5900 Hollis St, Suite A		Date Received: 04/08/04				
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04				
Emeryvine, CA 94000	Client P.O.:	Date Analyzed: 04/08/04-04/09/04				
Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*						

Extraction method: SW	73550C	At	alytical methods: SW8015C	Work Order:	0404098
Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0404098-001A	T-1	s	1.3,a	1	94.9
0404098-002A	T-2	S	210,a	1	105
0404098-003A	T-3	S	710,a	1	107
0404098-004A	T-4	S	1100,a	10	99.6
0404098-005A	T-5	S	180,d,g,b	2	106
0404098-006A	T-6	s	490,d,g	10	84.7
0404098-007A	T-7	s	23,a	1	94.9
0404098-008A	T-8	S	1700,a	20	84.4
				7 prints (2), 11 to 1 and 1 and 1	
	Limit for DF =1; not detected at or	W	NA	1	NA
1112 modile i	ior detected at of		1.0		/T Z

above the reporting limit	S	1.0	mg/Kg
ND means not detected at or	¥¥	NA .	IVA

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.

⁺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) stoddard solvent/mineral spirit.



[#] 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5,500 Homb St, Saite H	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0404098

Lab ID		0404098-001A						
Client ID		T-1						
Matrix				Soil				
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit	
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50	
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0	
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0	
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0	
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0	
2-Butanone (MEK)	ND	1.0	10	t-Butyi alcohol (TBA)	ND	1.0	25	
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0	
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0	
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0	
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10	
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0	
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0	
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0	
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0	
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0	
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0	
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0	
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0	
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0	
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0	
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0	
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0	
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0	
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0	
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0	
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0	
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0	
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100	
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0	
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0	
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0	
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0	
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0	
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0	
1,2,3-Trichloropropane	ND	1.0	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	100	
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0	
Vinyl Chloride	ND	1.0	5.0	Xylenes	ND	1.0	5.0	
		Sur	rogate Re	ecoveries (%)				
%SS1:	82.			%SS2:	98.8	3		
%SS3:	111			1	76.0			
Commonto	.1			2				

Comments:

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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.



^{*} 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.

[#] surrogate diluted out of range or surrogate coelutes with another peak.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5500 Homs St, Batte H	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Extraction Method: SW5030B		Ana	ilytical Met	hod: SW8260B	Work	Order: 0	404098		
Lab ID		0404098-002A							
Client ID	T-2								
Matrix				Soil					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reportii Limit		
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50		
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0		
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0		
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0		
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.6		
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	2.5		
n-Butyl benzene	32	1.0	5.0	sec-Butyl benzene	29	1.0	5.0		
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0		
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0		
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10		
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0		
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0		
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0		
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.		
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.		
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.		
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.		
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.		
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.4		
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0		
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.1		
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5,1		
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.1		
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0		
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.1		
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0		
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.		
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	10		
n-Propyl benzene	7.6	1.0	5.0	Styrene	ND	1.0	5.		
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.		
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.		
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.		
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.		
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.		
1,2,3-Trichloropropane	ND	1.0	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	10		
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0		
Vinyl Chloride	ND	1.0	5.0	Xylenes	ND	1.0	5.0		
		Sur		ecoveries (%)			<u> </u>		
%SS1:	84.		~	%SS2:	97.2	2	····		
%SS3:	105				J. 1.				

Comments

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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.



^{*} 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.

[#] surrogate diluted out of range or surrogate coelutes with another peak.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
55 00 Home St, Suite H	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B

Extraction Method: SW5030B	Analytical Method: SW8260B Work Order: 04								
Lab ID	0404098-003A								
Client ID	T-3								
Matrix				Soil					
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit		
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50		
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0		
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0		
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0		
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0		
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25		
n-Butyl benzene	32	1.0	5.0	sec-Butyl benzene	22	1.0	5.0		
tert-Butyl benzene	20	1.0	5.0	Carbon Disulfide	ND	1.0	5.0		
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0		
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10		
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0		
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0		
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0		
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0		
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0		
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0		
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0		
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0		
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0		
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0		
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0		
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0		
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0		
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0		
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0		
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0		
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0		
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100		
n-Propyl benzene	8.8	1.0	5.0	Styrene	ND	1.0	5.0		
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0		
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0		
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0		
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0		
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0		
1,2,3-Trichloropropane	ND	1.0	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	100		
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0		
Vinyl Chloride	ND	1.0	5.0	Xylenes	ND	1.0	5.0		
		Sur	rogate Re	ecoveries (%)		·····			
%SS1:	84.	6		%SS2:	98.0	6			
%SS3:	105	5							
Comments:									

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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.



^{*} 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.

[#] surrogate diluted out of range or surrogate coelutes with another peak.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B		Ana	ılytical Me	thod: SW8260B	Work	Order: 04	404098
Lab ID				0404098-004A			
Client ID				T-4			
Matrix			Soil				
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	80	1.0	5.0	sec-Butyl benzene	95	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	13	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	20	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	100
1,2,4-Trimethylbenzene	34	1.0	5.0	1,3,5-Trimethylbenzene	6.4	1.0	5.0
Vinyl Chloride	ND	1.0	5.0	Xylenes	ND	1.0	5.0
		Sur	rogate R	ecoveries (%)		- · · · ·	, 5.5
%SS1:	85.		<u> </u>	%SS2:	99.1		·
%SS3:	100						

Comments:

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.



^{*} 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.



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

Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
, , , , , , , , , , , , , , , , , , ,	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.;	Date Analyzed: 04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)* Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0404098

 Lab ID
 0404098-005A

 Client ID
 T-5

 Matrix
 Soil

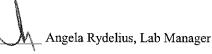
Matrix	Soil								
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit		
Acetone	ND<1000	20	50	Acrolein (Propenal)	ND<1000	20	50		
Acrylonitrile	ND<400	20	20	tert-Amyl methyl ether (TAME)	ND<100	20	5.0		
Benzene	ND<100	20	5.0	Bromobenzene	ND<100	20	5.0		
Bromochloromethane	ND<100	20	5.0	Bromodichloromethane	ND<100	20	5.0		
Bromoform	ND<100	20	5.0	Bromomethane	ND<100	20	5.0		
2-Butanone (MEK)	ND<200	20	10	t-Butyl alcohol (TBA)	ND<500	20	25		
n-Butyl benzene	2000	20	5.0	sec-Butyl benzene	690	20	5.0		
tert-Butyl benzene	450	20	5.0	Carbon Disulfide	ND<100	20	5.0		
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0		
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<200	20	10		
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0		
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0		
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0		
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0		
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0		
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0		
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0		
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0		
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0		
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0		
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0		
trans-1,3-Dichloropropene	ND<100	20	5.0	Diisopropyl ether (DIPE)	ND<100	20	5.0		
Ethylbenzene	2100	20	5.0	Ethyl tert-butyl ether (ETBE)	ND<100	20	5.0		
Hexachlorobutadiene	ND<100	20	5.0	Hexachloroethane	ND<100	20	5.0		
2-Hexanone	ND<100	20	5.0	Isopropylbenzene	840	20	5.0		
4-Isopropyl toluene	130	20	5.0	Methyl-t-butyl ether (MTBE)	ND<100	20	5.0		
Methylene chloride	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0		
Naphthalene	2200	20	5.0	Nitrobenzene	ND<2000	20	100		
n-Propyl benzene	4000	20	5.0	Styrene	ND<100	20	5.0		
1,1,1,2-Tetrachloroethane	ND<100	20	5.0	1,1,2,2-Tetrachloroethane	ND<100	20	5.0		
Tetrachloroethene	ND<100	20	5.0	Toluene	ND<100	20	5.0		
1,2,3-Trichlorobenzene	ND<100	20	5.0	1,2,4-Trichlorobenzene	ND<100	20	5.0		
1,1,1-Trichloroethane	ND<100	20	5.0	1,1,2-Trichloroethane	ND<100	20	5.0		
Trichloroethene	ND<100	20	5.0	Trichlorofluoromethane	ND<100	20	5.0		
1,2,3-Trichloropropane	ND<100	20	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<2000	20	100		
1,2,4-Trimethylbenzene	700	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0		
Vinyl Chloride	ND<100	20	5.0	Xylenes	ND<100	20	5.0		
		Sur	rogate R	ecoveries (%)					
%SS1: 97.8				%SS2: 95.8					
% C C 3 ·									

Comments

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.



^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St. Suite A		Date Received: 04/08/04
	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/09/04

Emeryvine, CA 94608	Client P.O.:	yzed: 04/09/04					
	Volatiles Organi	es by l	P&T an	d GC/MS (Basic Target List)*			
Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 04							104098
Lab ID				0404098-006A			
Client ID				T-6			
Matrix			era eruerada urreduada da eruera a un	Soil			
Compound	Concentration *	DF	Reporting	Compound	Concentration *	DF	Reporting
Acetone	ND<20,000	400	Limit 50	Acrolein (Propenal)	ND<20,000	400	Limit 50
Acrylonitrile	ND<8000	400	20	tert-Amyl methyl ether (TAME)	ND<2000	400	5.0
Benzene	ND<2000	400	5.0	Bromobenzene	ND<2000	400	5.0
Bromochloromethane	ND<2000	400	5.0	Bromodichloromethane	ND<2000	400	5.0
Bromoform	ND<2000	400	5.0	Bromomethane	ND<2000	400	5.0
2-Butanone (MEK)	ND<4000	400	10	t-Butyl alcohol (TBA)	ND<10,000	400	25
n-Butyl benzene	7000	400	5.0	sec-Butyl benzene	2200	400	5.0
tert-Butyl benzene	ND<2000	400	5.0	Carbon Disulfide	ND<2000	400	5.0
Carbon Tetrachloride	ND<2000	400	5.0	Chlorobenzene	ND<2000	400	5.0
Chloroethane	ND<2000	400	5.0	2-Chloroethyl Vinyl Ether	ND<4000	400	10
Chloroform	ND<2000	400	5.0	Chloromethane	ND<2000	400	5.0
2-Chlorotoluene	ND<2000	400	5.0	4-Chlorotoluene	ND<2000	400	5.0
Dibromochloromethane	ND<2000	400	5.0	1,2-Dibromo-3-chloropropane	ND<2000	400	5.0
1,2-Dibromoethane (EDB)	ND<2000	400	5.0	Dibromomethane	ND<2000	400	5.0
1,2-Dichlorobenzene	ND<2000	400	5.0	1,3-Dichlorobenzene	ND<2000	400	5.0
1,4-Dichlorobenzene	ND<2000	400	5.0	Dichlorodifluoromethane	ND<2000	400	5.0
1,1-Dichloroethane	ND<2000	400	5.0	1,2-Dichloroethane (1,2-DCA)	ND<2000	400	5.0
1,1-Dichloroethene	ND<2000	400	5.0	cis-1,2-Dichloroethene	ND<2000	400	5.0
trans-1,2-Dichloroethene	ND<2000	400	5.0	1,2-Dichloropropane	ND<2000	400	5.0
1,3-Dichloropropane	ND<2000	400	5.0	2,2-Dichloropropane	ND<2000	400	5.0
1,1-Dichloropropene	ND<2000	400	5.0	cis-1,3-Dichloropropene	ND<2000	400	5.0
trans-1,3-Dichloropropene	ND<2000	400	5.0	Diisopropyl ether (DIPE)	ND<2000	400	5.0
Ethylbenzene	16,000	400	5.0	Ethyl tert-butyl ether (ETBE)	ND<2000	400	5.0
Hexachlorobutadiene	ND<2000	400	5.0	Hexachloroethane	ND<2000	400	5.0
2-Hexanone	ND<2000	400	5.0	Isopropylbenzene	3300	400	5.0
4-Isopropyl toluene	ND<2000	400	5.0	Methyl-t-butyl ether (MTBE)	ND<2000	400	5.0
Methylene chloride	ND<2000	400	5.0	4-Methyl-2-pentanone (MIBK)	ND<2000	400	5.0
Naphthalene	12,000	400	5.0	Nitrobenzene	ND<40,000	400	100
n-Propyl benzene	13,000	400	5.0	Styrene	ND<2000	400	5.0
1,1,1,2-Tetrachloroethane	ND<2000	400	5.0	1,1,2,2-Tetrachloroethane	ND<2000	400	5.0
Tetrachloroethene	ND<2000	400	5.0	Toluene	ND<2000	400	5.0
1,2,3-Trichlorobenzene	ND<2000	400	5.0	1,2,4-Trichlorobenzene	ND<2000	400	5.0
1,1,1-Trichloroethane	ND<2000	400	5.0	1,1,2-Trichloroethane	ND<2000	400	5.0
Trichloroethene	ND<2000	400	5.0	Trichlorofluoromethane	ND<2000	400	5.0
1,2,3-Trichloropropane	ND<2000	400	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<40,000	400	100
1,2,4-Trimethylbenzene	95,000	400	5.0	1,3,5-Trimethylbenzene	19,000	400	5.0
Vinyl Chloride	ND<2000	400	5.0	Xylenes	10,000	400	5.0
			····	ecoveries (%)		herest	
%SS1:	93			%SS2:	92.	0	
	~{····	_			72.		

%SS3: Comments:

108

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.



^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5900 Homs Bt, Butte 11	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)* Analytical Method: SW8260B Work Order: 0404098 Extraction Method: SW5030B 0404098-007A Lab ID Client ID T-7 Soil Matrix DF DF Compound Concentration * Compound Concentration * Acetone ND 1.0 50 Acrolein (Propenal) 1.0 50 Acrylonitrile ND 1.0 20 tert-Amyl methyl ether (TAME) ND 1.0 5.0 Benzene ND 1.0 5.0 Bromobenzene ND 1.0 5.0 Bromodichloromethane Bromochloromethane ND 1.0 5.0 ND 1.0 5.0 1.0 Bromoform ND 5.0 Bromomethane ND 1.0 5.0 2-Butanone (MEK) ND 1.0 10 t-Butyl alcohol (TBA) ND 1.0 25 1.0 1.0 n-Butyl benzene 5.0 sec-Butyl benzene 5.0 ND 1.0 tert-Butyl benzene ND 1.0 5.0 Carbon Disulfide 5.0 Carbon Tetrachloride ND 1.0 5.0 Chlorobenzene ND 1.0 5.0 Chloroethane ND 1.0 5.0 2-Chloroethyl Vinyl Ether ND 1.0 10 1.0 5.0 ND 1.0 Chloroform ND Chloromethane 5.0 5.0 2-Chlorotoluene ND 1.0 4-Chlorotoluene ND 1.0 5.0 Dibromochloromethane 1.0 5.0 1,2-Dibromo-3-chloropropane ND 1.0 5.0 ND 1.0 5.0 Dibromomethane ND 1.0 5.0 1,2-Dibromoethane (EDB) ND ND 1.0 5.0 1,3-Dichlorobenzene ND 1.0 5.0 1,2-Dichlorobenzene ND 1.0 5.0 Dichlorodifluoromethane ND 1.0 5.0 1,4-Dichlorobenzene 1,1-Dichloroethane ND 1.0 5.0 1,2-Dichloroethane (1,2-DCA) ND 1.0 5.0 ND 1.0 5.0 cis-1,2-Dichloroethene ND 1.0 5.0 1,1-Dichloroethene ND 1.0 5.0 1,2-Dichloropropane ND 1.0 5.0 trans-1,2-Dichloroethene ND 1.0 5.0 2,2-Dichloropropane ND 1.0 5.0 1,3-Dichloropropane ND 1.0 5.0 cis-1,3-Dichloropropene ND 1.0 5.0 1,1-Dichloropropene trans-1,3-Dichloropropene ND 1.0 5.0 Diisopropyl ether (DIPE) ND 1.0 5.0 Ethylbenzene ND 1.0 5.0 Ethyl tert-butyl ether (ETBE) ND 1.0 5.0 Hexachlorobutadiene ND 1.0 5.0 Hexachloroethane ND 1.0 5.0 2-Hexanone ND 1.0 5.0 Isopropylbenzene ND 1.0 5.0 1.0 Methyl-t-butyl ether (MTBE) 1.0 4-Isopropyl toluene ND 5.0 ND 5.0 Methylene chloride ND 1.0 5.0 4-Methyl-2-pentanone (MIBK) ND 1.0 5.0 1.0 5.0 ND 1.0 100 Naphthalene ND Nitrobenzene 1.0 1.0 5.0 ND 5.0 n-Propyl benzene Styrene 1.0 1,1,1,2-Tetrachloroethane ND 1.0 5.0 ND 5.0 1,1,2,2-Tetrachloroethane 1.0 5.0 ND 1.0 5.0 Tetrachloroethene ND Toluene 1,2,3-Trichlorobenzene ND 1.0 5.0 1,2,4-Trichlorobenzene ND 1.0 5.0 1.0 1,1,1-Trichloroethane ND 1.0 5.0 1,1,2-Trichloroethane ND 5.0 1.0 ND 1.0 5.0 Trichloroethene ND 5.0 Trichlorofluoromethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1.0 5.0 ND 1.0 100 1,2,3-Trichloropropane ND 26 1.0 5.0 1.0 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene 5.0 Vinyl Chloride ND 1.0 5.0 ND 1.0 5.0 Surrogate Recoveries (%) %SS1: 85.9 %SS2: 100

%SS3:

107

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.



^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5700 Homs Bi, butte 11	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0404098

Lab ID				0404098-008A		Order: 02	101050				
Client ID	+			T-8							
	 	Soil									
Matrix	Deposition										
Compound	Concentration *	DF	Limit	Compound	Concentration *	DF	Limit				
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50				
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0				
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0				
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0				
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0				
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25				
n-Butyl benzene	97	1.0	5.0	sec-Butyl benzene	130	1.0	5.0				
tert-Butyl benzene	14	1.0	5.0	Carbon Disulfide	ND	1.0	5.0				
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0				
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10				
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0				
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0				
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0				
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0				
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0				
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0				
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0				
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0				
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0				
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0				
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0				
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0				
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0				
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0				
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	58	1.0	5.0				
4-Isopropyl toluene	17	1.0	5.0	Methyl-t-butyl ether (MTBE)	21	1.0	5.0				
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0				
Naphthalene	90	1.0	5.0	Nitrobenzene	ND	1.0	100				
n-Propyl benzene	140	1.0	5.0	Styrene	ND	1.0	5.0				
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0				
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0				
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0				
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0				
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0				
1,2,3-Trichloropropane	ND	1.0	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	100				
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0				
Vinyl Chloride	ND	1.0	5.0	Xylenes	ND	1.0	5.0				
THIT	1,2			ecoveries (%)	112	1.0	2.0				
%SS1:	96.		TOGAIC IN	%SS2:	102		NAME OF THE OWNER OWNER OF THE OWNER O				
%\$\$3:	110			76552:	102						
%333:	110	J									

Comments:

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.



^{*} 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.



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Website: www.mccampbell.com E-niail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emery vine, Or 5 1000	Client P.O.:	Date Analyzed: 04/09/04

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0404098

Extraction method: SW	3050B		Analytical	methods: 6010C	Work Order:	0404098
Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0404098-001A	T-1	S	TTLC	ND	l	104
0404098-002A	T-2	S	TTLC	ND	1	104
0404098-003A	T-3	S	TTLC	ND	1	108
0404098-004A	T-4	S	TTLC	ND	1	99.2
0404098-005A	T-5	S	TTLC	5.9	1	109
0404098-006A	Т-6	S	TTLC	5.3	1	106
0404098-007A	T-7	S	TTLC	ND	1	103
0404098-008A	T-8	S	TTLC	ND	1	104
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					×	
				l de la constant de l		
					74-71	

Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

*water/product/oil/non-aqueous liquid samples and all TCLP / 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/soild/oil/product/wipe/filter - As, Se, Tl); 7471B (Hg).

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; 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.





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QC SUMMARY REPORT FOR SW8021B/8015Cm

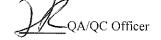
Matrix: S

WorkOrder: 0404098

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 11049 Spiked Sample ID: 0404091-001A									91-001A
Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	PD % Rec.	% Rec.	% RPD	Low	High
ND	0.60	99.8	99.7	0.0107	102	97.7	4.30	70	130
ND	0.10	97.7	97.9	0.207	98.3	98.6	0.321	70	130
ND	0.10	100	103	3.02	101	102	0.364	70	130
ND	0.10	86.6	89.2	2.94	87.4	88.4	1.19	70	130
ND	0.10	106	108	2.12	107	109	1.73	70	130
ND	0.30	95.7	96	0.348	95.7	96.3	0.694	70	130
98.2	0.10	94.5	80.5	16.0	84.3	89.3	5.76	70	130
	Sample mg/Kg ND ND ND ND ND ND ND ND ND ND	Sample Spiked mg/Kg mg/Kg ND 0.60 ND 0.10 ND 0.10 ND 0.10 ND 0.10 ND 0.30	Sample Spiked MS* mg/Kg mg/Kg % Rec. ND 0.60 99.8 ND 0.10 97.7 ND 0.10 100 ND 0.10 86.6 ND 0.10 106 ND 0.30 95.7	Sample Spiked MS* MSD* mg/Kg mg/Kg % Rec. % Rec. ND 0.60 99.8 99.7 ND 0.10 97.7 97.9 ND 0.10 100 103 ND 0.10 86.6 89.2 ND 0.10 106 108 ND 0.30 95.7 96	Sample Spiked MS* MSD* MS-MSD mg/Kg mg/Kg % Rec. % Rec. % RPD ND 0.60 99.8 99.7 0.0107 ND 0.10 97.7 97.9 0.207 ND 0.10 100 103 3.02 ND 0.10 86.6 89.2 2.94 ND 0.10 106 108 2.12 ND 0.30 95.7 96 0.348	Sample Spiked MS* MSD* MS-MSD LCS mg/Kg mg/Kg % Rec. % Rec. % RPD % Rec. ND 0.60 99.8 99.7 0.0107 102 ND 0.10 97.7 97.9 0.207 98.3 ND 0.10 100 103 3.02 101 ND 0.10 86.6 89.2 2.94 87.4 ND 0.10 106 108 2.12 107 ND 0.30 95.7 96 0.348 95.7	Sample Spiked MS* MSD* MS-MSD LCS LCSD mg/Kg mg/Kg % Rec. % Rec. % RPD % Rec. % Rec. ND 0.60 99.8 99.7 0.0107 102 97.7 ND 0.10 97.7 97.9 0.207 98.3 98.6 ND 0.10 100 103 3.02 101 102 ND 0.10 86.6 89.2 2.94 87.4 88.4 ND 0.10 106 108 2.12 107 109 ND 0.30 95.7 96 0.348 95.7 96.3	Sample Spiked MS* MSD* MS-MSD LCS LCSD LCS-LCSD mg/Kg mg/Kg % Rec. % Rec. % RPD % Rec. % Rec. % RPD ND 0.60 99.8 99.7 0.0107 102 97.7 4.30 ND 0.10 97.7 97.9 0.207 98.3 98.6 0.321 ND 0.10 100 103 3.02 101 102 0.364 ND 0.10 86.6 89.2 2.94 87.4 88.4 1.19 ND 0.10 106 108 2.12 107 109 1.73 ND 0.30 95.7 96 0.348 95.7 96.3 0.694	Sample Spiked MS* MSD* MS-MSD LCS LCSD LCS-LCSD Acceptance mg/Kg mg/Kg % Rec. % Rec. % RPD % Rec. % Rec. % RPD Low ND 0.60 99.8 99.7 0.0107 102 97.7 4.30 70 ND 0.10 97.7 97.9 0.207 98.3 98.6 0.321 70 ND 0.10 100 103 3.02 101 102 0.364 70 ND 0.10 86.6 89.2 2.94 87.4 88.4 1.19 70 ND 0.10 106 108 2.12 107 109 1.73 70 ND 0.30 95.7 96 0.348 95.7 96.3 0.694 70

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0404098

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 11053 Spiked Sample								e ID: 0404099-004A		
	Sample	e Spiked MS*		MSD*	MSD* MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) [£]	ND	0.60	101	102	0.899	99.6	100	0.527	70	130
МТВЕ	ND	0.10	94.1	94.9	0.823	98.6	104	4.97	70	130
Benzene	ND	0.10	105	108	2.08	102	110	7.61	70	130
Toluene	ND	0.10	89.9	93.2	3.67	88.2	94.5	6.97	70	130
Ethylbenzene	ND	0.10	110	112	1.94	107	112	4.93	70	130
Xylenes	ND	0.30	100	100	0	95.7	100	4.43	70	130
%SS:	95.8	0.10	93.4	99.5	6.32	83.8	87.1	3.86	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0404098

EPA Method: SW8015C	E	Extraction:	SW35500		BatchID:	11050	Spiked Sample ID: 0404091-001A				
	Sample	Spiked	ked MS* N		MSD* MS-MSD		LCSD	LCS-LCSD	Acceptance Criteria (
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
TPH(d)	ND	150	96.2	94.7	1.53	98.6	101	1.91	70	130	
%SS:	88.4	50	96.1	94.8	1.44	94.3	96.1	1.96	70	130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

QA/QC Officer

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



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QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0404098

EPA Method: SW8015C	E	Extraction:	SW3550C	:	BatchID: 11054			Spiked Sample ID: 0404098-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High		
TPH(d)	1.31	150	105	107	1.22	102	102	0	70	130		
%SS:	94.9	50	95.7	97	1.36	98.7	98.5	0.166	70	130		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

%SS3.

McCampbell Analytical, Inc.

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0.783

70

130

OC SUMMARY REPORT FOR SW8260B

Matrix: S

WorkOrder: 0404098 EPA Method: SW8260B Extraction: SW5030B BatchID: 11056 Spiked Sample ID: 0404098-001A Sample Spiked MS* MSD* MS-MSD LCS LCSD LCS-LCSD Acceptance Criteria (%) % RPD % RPD μg/Kg µg/Kg % Rec. % Rec. % Rec. % Rec. Low High 94.8 95.1 0.273 88.9 130 tert-Amyl methyl ether (TAME) ND 50 87.5 1.65 70 ND 106 107 0.904 111 2.25 70 130 Benzene 50 113 ND 250 91.3 93 85.9 70 130 t-Butyl alcohol (TBA) 1.82 84.6 1.51 Chlorobenzene ND 50 108 108 0 112 112 0 70 130 120 1.2-Dibromoethane (EDB) ND 50 119 0.695 113 112 1.08 70 130 1,2-Dichloroethane (1,2-DCA) ND 50 103 102 0.382 96.5 94 2.68 70 130 1,1-Dichloroethene ND 50 96.7 103 5.88 114 111 3.01 70 130 Diisopropyl ether (DIPE) ND 50 78.2 80.2 2.49 80.7 70 81.7 1.18 130 Ethyl tert-butyl ether (ETBE) ND 50 84.1 85 1.12 85 82.9 2.55 70 130 Methyl-t-butyl ether (MTBE) ND 50 90.7 90.6 0.188 86.6 83.1 4.17 70 130 102 0 Toluene ND 50 102 114 111 2.62 70 130 Trichloroethene ND 50 82.9 0.841 90.4 88.8 83.6 1.78 70 130 %SS1: 82.2 50 102 102 0 98.5 97.3 1.27 70 130 99.6 %SS2: 98.8 50 99.4 0.170 105 103 1.92 70 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

105

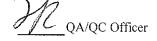
1.66

101

102

111

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels



MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

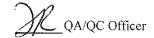
Matrix: S

WorkOrder: 0404098

EPA Method: SW8260B	Extraction: SW5030B				BatchID:	11051	Spiked Sample ID: 0404091-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
	μg/Kg	μg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
tert-Amyl methyl ether (TAME)	ND	50	107	104	2.76	96.8	98.2	1.47	70	130	
Benzene	ND	50	122	118	2.70	127	128	0.900	70	130	
t-Butyl alcohol (TBA)	ND	250	110	104	5.24	78.1	83.1	6.18	70	130	
Chlorobenzene	ND	50	112	108	3.71	106	106	0	70	130	
1.2-Dibromoethane (EDB)	ND	50	122	121	1.15	96.2	98.6	2.44	70	130	
1,2-Dichloroethane (1,2-DCA)	ND	50	114	111	2.98	109	112	2.94	70	130	
1,1-Dichloroethene	ND	50	117	115	1,12	108	107	0.641	70	130	
Diisopropyl ether (DIPE)	ND	50	95.7	92.2	3.78	105	107	1.75	70	130	
Ethyl tert-butyl ether (ETBE)	ND	50	99	94.9	4.19	96.7	97.4	0.673	70	130	
Methyl-t-butyl ether (MTBE)	ND	50	107	103	3.18	95.9	96.7	0.823	70	130	
Toluene	ND	50	109	107	2.33	102	103	0.407	70	130	
Trichloroethene	ND	50	92.3	89.7	2.94	83.9	86	2.57	70	130	
%SS1:	91.8	50	104	103	1.15	99.1	98.8	0.306	70	130	
%SS2:	97.0	50	97.8	97.8	0	94	93.2	0.824	70	130	
%SS3:	96.1	50	100	101	0.873	98.7	97.9	0.775	70	130	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



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QC SUMMARY REPORT FOR 6010C

Matrix: S

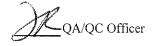
WorkOrder: 0404098

EPA Method: 6010C	E	Extraction:	SW3050E	3	BatchID:	11046	Spiked Sample ID: 0404094-001A				
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High	
Lead	54.55	50	NR	NR	NR	84.4	84	0.416	80	120	
%SS:	109	250	105	104	0,961	100	98.6	1.61	80	120	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.



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QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0404098

EPA Method: 6010C	E	Extraction:	SW3050E	3	BatchID: 11057			Spiked Sample ID: 0404097-054A				
	Sample	Spiked	MS*	MS* MSD*		MS-MSD LCS		LCS-LCSD	Acceptance Criteria (%			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High		
Lead	5.39	50	105	99.7	4.73	108	104	4.20	80	120		
%SS:	0	250	104	104	0	93.6	97.7	4.29	80	120		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

QA/QC Officer

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

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

WorkOrder: 0404098

Report to:

Tom Sparrowe

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608 TEL: FAX:

(510) 420-0700

FAX: (510) 420-9170 ProjectNo: #31E-1966; 9-4800

PO:

Bill to:

Requested TAT:

1 day

Accounts Payable

Cambria Env. Technology

5900 Hollis St, Ste. A Emeryville, CA 94608 Date Received:

4/8/04

Date Printed:

4/8/04

Requested Tests (See legend below)																										
Sample ID	ClientSamplD	Matrix	Collection Date	Hold	1	2	3		4	-	5	I.	6	7	7	8		9		10	11	12	1;	3	14	15
0404098-001	T-1	Soil	4/8/04 12:10:00 PM		Α	A	A					1	 -	Ţ			:		1							
0404098-002	T-2	Soil	4/8/04 12:15:00 PM		Α	Α	A					T			7,117											
0404098-003	T-3	Soil	4/8/04 12:20:00 PM		Α	Α	Α							1												
0404098-004	T-4	Soil	4/8/04 12:20:00 PM		Α	Α	А			1																
0404098-005	T-5	Soil	4/8/04 12:40:00 PM		Α	Α	Α																			
0404098-006	T-6	Soil	4/8/04 12:40:00 PM		Α	Α	Α														<u> </u>	!				
0404098-007	T-7	Soil	4/8/04 12:45:00 PM		Α	Α	Α																			
0404098-008	T-8	Soil	4/8/04 12:45:00 PM		Α	Α	Α																			[]

Test Legend:

1	8260B_S
6	
11	

2	G-MBTEX_S
7	
12	

3	PB_S
8	
13	

4	
9	
14	

5	
10	
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.

COLL.

-RESEL

0404098)

	McCAM					LI	NC	† /•	-/1/4/							299 Kan	(100 m) (1		C	$\mathbf{H}A$	I	O	F			CO	DY	Ŗ	E(\overline{CO}	RJ)		· · · · · · · · · · · · · · · · · · ·
	1.	10 2 rd AV PACHEO	VENUE SC CO, CA 945												TU	RI	I A	RO)U	ND	TH	ME					7	N		112				
Telephor	ie: (925) 798		,			ax:	(92	5) 7	98-1	162	22			1,	CTA				0		/ % T	<u></u>	.				24 H			8 H)			HR	5 DAY
Report To: Ton	n Spavice	. 6. 70	В	ill To					/					_	LDI	Ke	qui	rea	10-7-27-1	oelt nalv				N)	VV	rite (Oth	No	<u>,</u>	Comr	nents
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Tele: (510) 4	eryville, 20 - 070 - 1966	0	F	ax: (510)	42	0-	91	7	0	-0	₩,	,] }	N/C	0 E,	1 2	0.1)				MBTE		8/(į		ļ				
Project#: 31E	- 1966		P	rojec	t Nar	ne:	ij	-4	800	Ö		Ċ	civ] 8	200	(55)	3 3	1	1	5		0)	827(8015					
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SAMPLE ID		-		ner	tain											1 1				080	3080	3240	3270	A's	etals	tals	742		8			1		
(Field Point Name)	LOCATION	Data	Time	Containers	Type Containers	,			<u>وب</u> ,				۳,		BIEX & PH as	1 4		Total remoteum		EPA 608 / 8080	3/80	24 / 8	EPA 625 / 8270	MA/	CAM-17 Metals	LUFT 5 Metals	7240		- [- 1		
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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560 Telephone: 925-798-1620 Fax: 925-798-1622 Website: www.mccampbell.com E-ntail: main@mccampbell.com

Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Reported: 04/09/04
Eneryvine, CA 34008	Client P.O.:	Date Completed: 04/09/04

WorkOrder: 0404096

April 09, 2004

Dear Tom:

Enclosed are:

- 1). the results of 10 analyzed samples from your #31E-1966; 9-4800 project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

P

Angela Rydelius, Lab Manager



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryvine, Cri 94000	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline *

Extraction method: S	W5030B		Analytical methods: SW8015Cm	Work Order:	: 0404096	
Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	
001A	P-1	s	3.1,a	1	94.7	
002A	P-2	s	ND	1	95.7	
003A	P-3 5'	s	200,a	20	82.7	
004A	P-3 10'	S	110,a	20	93.5	
005A	P-4	s	ND	1	90.1	
006A	P-5	s	ND	1	83.3	
007A	P-6	.6 S ND				
008A	P-7	s	ND .	1	90.4	
009 A	P-8	s	8.3,g,m	1	89.7	
010A	P-9	s	ND	1	92.8	
				· · · · · · · · · · · · · · · · · · ·		

ND means not detected at or	W	NA NA	NA.
above the reporting limit	S	1.0	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 ~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.



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

Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
Emeryville, CA 94608	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Effici yvine, CA 94000	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

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

extraction method: SW	3550C		Analytical methods: SW8015C	Work Order:	0404096
Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0404096-001A	P-1	S	1.5,d,f	1	91.1
0404096-002A	P-2	S	ND	1	90.8
0404096-003A	P-3 5'	s	93,d,b	1	106
0404096-004A	P-3 10 ^t	S	45,d	1	98.1
0404096-005A	P-4	S	ND	1	95.0
0404096-006A	P-5	S	ND	1	97.7
0404096-007A	P-6	S	1.9,a	1	96.9
0404096-008A	P-7	s	ND	1	103
0404096-009A	P-8	S	54,a	1	89.9
0404096-010A	P-9	S	ND	1	89.4
Reporting L	imit for DF =1; ot detected at or	W	NA]	NA
	reporting limit	s	1.0	m	g/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 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) stoddard solvent/mineral spirit.

Angela Ry



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5700 Homs St, Suite A	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

	Volatiles Organics by P&T and GC/MS (Basic Target List)*
Extraction Method: SW5020D	Applytical Matheds CW2260D

Lab ID Client ID				0.40.400.4.00.4.4			
Client ID	·			0404096-001A			
CHCILLID				P-1			
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	20	50	Acrolein (Propenal)	ND<1000	20	50
Acrylonitrile	ND<400	20	20	tert-Amyl methyl ether (TAME)	ND<100	20	5.0
Benzene	ND<100	20	5.0	Bromobenzene	ND<100	20	5.0
Bromochloromethane	ND<100	20	5.0	Bromodichloromethane	ND<100	20	5.0
Bromoform	ND<100	20	5.0	Bromomethane	ND<100	20	5.0
2-Butanone (MEK)	ND<200	20	10	t-Butyl alcohol (TBA)	1200	20	25
n-Butyl benzene	ND<100	20	5.0	sec-Butyl benzene	ND<100	20	5.0
tert-Butyl benzene	ND<100	20	5.0	Carbon Disulfide	ND<100	20	5.0
Carbon Tetrachloride	ND<100	20	5.0	Chlorobenzene	ND<100	20	5.0
Chloroethane	ND<100	20	5.0	2-Chloroethyl Vinyl Ether	ND<200	20	10
Chloroform	ND<100	20	5.0	Chloromethane	ND<100	20	5.0
2-Chlorotoluene	ND<100	20	5.0	4-Chlorotoluene	ND<100	20	5.0
Dibromochloromethane	ND<100	20	5.0	1,2-Dibromo-3-chloropropane	ND<100	20	5.0
1,2-Dibromoethane (EDB)	ND<100	20	5.0	Dibromomethane	ND<100	20	5.0
1,2-Dichlorobenzene	ND<100	20	5.0	1,3-Dichlorobenzene	ND<100	20	5.0
1,4-Dichlorobenzene	ND<100	20	5.0	Dichlorodifluoromethane	ND<100	20	5.0
1,1-Dichloroethane	ND<100	20	5.0	1,2-Dichloroethane (1,2-DCA)	ND<100	20	5.0
1,1-Dichloroethene	ND<100	20	5.0	cis-1,2-Dichloroethene	ND<100	20	5.0
trans-1,2-Dichloroethene	ND<100	20	5.0	1,2-Dichloropropane	ND<100	20	5.0
1,3-Dichloropropane	ND<100	20	5.0	2,2-Dichloropropane	ND<100	20	5.0
1,1-Dichloropropene	ND<100	20	5.0	cis-1,3-Dichloropropene	ND<100	20	5.0
trans-1,3-Dichloropropene	ND<100	20	5.0	Diisopropyl ether (DIPE)	ND<100	20	5.0
Ethylbenzene	ND<100	20	5.0	Ethyl tert-butyl ether (ETBE)	ND<100	20	5.0
Hexachlorobutadiene	ND<100	20	5.0	Hexachloroethane	ND<100	20	5.0
2-Hexanone	ND<100	20	5.0	Isopropylbenzene	ND<100	20	5.0
4-Isopropyl toluene	ND<100	20	5.0	Methyl-t-butyl ether (MTBE)	2600	20	5.0
Methylene chloride	ND<100	20	5.0	4-Methyl-2-pentanone (MIBK)	ND<100	20	5.0
Naphthalene	ND<100	20	5.0	Nitrobenzene	ND<2000	20	100
n-Propyl benzene	ND<100	20	5.0	Styrene	ND<100	20	5.0
1,1,1,2-Tetrachloroethane	ND<100	20	5.0	1,1,2,2-Tetrachloroethane	ND<100	20	5.0
Tetrachloroethene	ND<100	20	5.0	Toluene	ND<100	20	5.0
1,2,3-Trichlorobenzene	ND<100	20	5.0	1,2,4-Trichlorobenzene	ND<100	20	5.0
1,1,1-Trichloroethane	ND<100	20	5.0	1,1,2-Trichloroethane	ND<100	20	5.0
Trichloroethene	ND<100	20	5.0	Trichlorofluoromethane	ND<100	20	5.0
1,2,3-Trichloropropane	ND<100	20	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<2000	20	100
1,2,4-Trimethylbenzene	200	20	5.0	1,3,5-Trimethylbenzene	ND<100	20	5.0
Vinyl Chloride	ND<100	20	5.0	Xylenes	280	20	5.0
		Sur	######################################	ecoveries (%)			
%SS1:	94.0			%SS2:	96.8		
%SS3:	110			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	70.0		

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

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.



^{*} 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.

[#] surrogate diluted out of range or surrogate coelutes with another peak.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5700 Homs Bi, Built II	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

Linely vine, CA 94008	Client P.O.:	yzed: 04/08/04-04/09/04					
Extraction Method: SW5030B	Volatiles Organi	•		d GC/MS (Basic Target List		Order: 04	104096
Lab ID			<u></u>	0404096-002A			
Client ID				P-2			
Matrix				Soil			
Wiatrix			Reporting	2011			Reporting
Compound	Concentration *	DF	Limit	Compound	Concentration *	DF	Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	5.6	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND ND	1.0	5.0	2,2-Dichloropropane	ND ND	1.0	5.0
1,1-Dichloropropene	ND ND	1.0	5.0	cis-1,3-Dichloropropene	ND ND	1.0	5.0
trans-1,3-Dichloropropene	ND ND	1.0	5.0	Diisopropyl ether (DIPE)	ND ND	1.0	
Ethylbenzene	ND ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND ND	1.0	5.0
Hexachlorobutadiene	ND						5.0
2-Hexanone	ND	1.0	5.0	Hexachloroethane	ND ND	1.0	5.0
		·	5.0	Isopropylbenzene	ND an	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	39	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0
1,2,3-Trichloropropane	ND	1.0	5.0	1,1,2-Trichloro-1,2,2-trifluoroethan		1.0	100
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Chloride	ND	1.0	5.0	Xylenes	ND	1.0	5.0
		Suri	rogate R	ecoveries (%)			* * * * * * * * * * * * * * * * * * * *
%SS1:	85.	5		%SS2:	100)	
%SS3:	109	9		199			

Comments:

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.



^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5700 IZOZZIO SI, SUZZO ZI	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

Emeryvine, CA 94008	Client P.O.: Date Analy				lyzed: 04/08/04-04/09/04			
	Volatiles Organi			d GC/MS (Basic Target List)		-		
Extraction Method: SW5030B		Ana	lytical Met	hod: SW8260B	Work	Order: 04	104096	
Lab ID				0404096-003A				
Client ID				P-3 5'				
Matrix				Soil				
Compound	Concentration *	Concentration * DF Reporting Compound				DF	Reporting Limit	
Acetone	ND<5000	100	50	Acrolein (Propenal)	Concentration * ND<5000	100	50	
Acrylonitrile	ND<2000	100	20	tert-Amyl methyl ether (TAME)	ND<500	100	5.0	
Benzene	1900	100	5.0	Bromobenzene	ND<500	100	5.0	
Bromochloromethane	ND<500	100	5.0	Bromodichloromethane	ND<500	100	5.0	
Bromoform	ND<500	100	5.0	Bromomethane	ND<500	100	5.0	
2-Butanone (MEK)	ND<1000	100	10	t-Butyl alcohol (TBA)	ND<2500	100	25	
n-Butyl benzene	1300	100	5.0	sec-Butyl benzene	ND<500	100	5.0	
tert-Butyl benzene	ND<500	100	5.0	Carbon Disulfide	ND<500	100	5.0	
Carbon Tetrachloride	ND<500	100	5.0	Chlorobenzene	ND<500	100	5.0	
Chloroethane	ND<500	100	5.0	2-Chloroethyl Vinyl Ether	ND<1000	100	10	
Chloroform	ND<500	100	5.0	Chloromethane	ND<500	100		
2-Chlorotoluene	ND<500	100	5.0	4-Chlorotoluene			5.0	
Dibromochloromethane	ND<500	100	5.0	1,2-Dibromo-3-chloropropane	ND<500	100 100	5.0	
		100		N. 1991	ND<500		5.0	
1,2-Dibromoethane (EDB)	ND<500	100	5.0	Dibromomethane	ND<500	100	5.0	
1,2-Dichlorobenzene	ND<500		5.0	1,3-Dichlorobenzene	ND<500	100	5.0	
1,4-Dichlorobenzene	ND<500	100	5.0	Dichlorodifluoromethane	ND<500	100	5.0	
1,1-Dichloroethane	ND<500	100	5.0	1,2-Dichloroethane (1,2-DCA)	ND<500	100	5.0	
1,1-Dichloroethene	ND<500	100	5.0	cis-1,2-Dichloroethene	ND<500	100	5.0	
trans-1,2-Dichloroethene	ND<500	100	5.0	1,2-Dichloropropane	ND<500	100	5.0	
1,3-Dichloropropane	ND<500	100	5.0	2,2-Dichloropropane	ND<500	100	5.0	
1,1-Dichloropropene	ND<500	100	5.0	cis-1,3-Dichloropropene	ND<500	100	5.0	
trans-1,3-Dichloropropene	ND<500	100	5.0	Diisopropyl ether (DIPE)	ND<500	100	5.0	
Ethylbenzene	5500	100	5.0	Ethyl tert-butyl ether (ETBE)	ND<500	100	5.0	
Hexachlorobutadiene	ND<500	100	5.0	Hexachloroethane	ND<500	100	5.0	
2-Hexanone	ND<500	100	5.0	Isopropylbenzene	ND<500	100	5.0	
4-Isopropyl toluene	ND<500	100	5.0	Methyl-t-butyl ether (MTBE)	12,000	100	5.0	
Methylene chloride	ND<500	100	5.0	4-Methyl-2-pentanone (MIBK)	ND<500	100	5.0	
Naphthalene	2200	100	5.0	Nitrobenzene	ND<10,000	100	100	
n-Propyl benzene	2300	100	5.0	Styrene	ND<500	100	5.0	
1,1,1,2-Tetrachloroethane	ND<500	100	5.0	1,1,2,2-Tetrachloroethane	ND<500	100	5.0	
Tetrachloroethene	ND<500	100	5.0	Toluene	2300	100	5.0	
1,2,3-Trichlorobenzene	ND<500	100	5.0	1,2,4-Trichlorobenzene	ND<500	100	5.0	
1,1,1-Trichloroethane	ND<500	100	5.0	1,1,2-Trichloroethane	ND<500	100	5.0	
Trichloroethene	ND<500	100	5.0	Trichlorofluoromethane	ND<500	100	5.0	
1,2,3-Trichloropropane	ND<500	100	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<10,000	100	100	
1,2,4-Trimethylbenzene	14,000	100	5.0	1,3,5-Trimethylbenzene	4600	100	5.0	
Vinyl Chloride	ND<500	100	5.0	Xylenes	25,000	100	5.0	
		Sur	rogate R	ecoveries (%)				
%SS1:	94.		···	%SS2:	95.	5		
%SS3:	107	7			1 221			

Comments:

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.



^{*} 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.



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

Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St. Suite A		Date Received: 04/08/04
5900 Honis Bi, Buile A	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B	Analytical Metho			hod: SW8260B	Work	Vork Order: 0404096			
Lab ID				0404096-004A					
Client ID	P-3 10'								
Matrix		Soil							
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit		
Acetone	ND<5000	100	50	Acrolein (Propenal)	ND<5000	100	50		
Acrylonitrile	ND<2000	100	20	tert-Amyl methyl ether (TAME)	ND<500	100	5.0		
Benzene	1200	100	5.0	Bromobenzene	ND<500	100	5.0		
Bromochloromethane	ND<500	100	5.0	Bromodichloromethane	ND<500	100	5.0		
Bromoform	ND<500	100	5.0	Bromomethane	ND<500	100	5.0		
2-Butanone (MEK)	ND<1000	100	10	t-Butyl alcohol (TBA)	ND<2500	100	25		
n-Butyl benzene	690	100	5.0	sec-Butyl benzene	ND<500	100	5.0		
tert-Butyl benzene	ND<500	100	5.0	Carbon Disulfide	ND<500	100	5.0		
Carbon Tetrachloride	ND<500	100	5.0	Chlorobenzene	ND<500	100	5.0		
Chloroethane	ND<500	100	5.0	2-Chloroethyl Vinyl Ether	ND<1000	100	10		
Chloroform	ND<500	100	5.0	Chloromethane	ND<500	100	5.0		
2-Chlorotoluene	ND<500	100	5.0	4-Chlorotoluene	ND<500	100	5.0		
Dibromochloromethane	ND<500	100	5.0	1,2-Dibromo-3-chloropropane	ND<500	100	5.0		
1,2-Dibromoethane (EDB)	ND<500	100	5.0	Dibromomethane	ND<500	100	5.0		
1,2-Dichlorobenzene	ND<500	100	5.0	1,3-Dichlorobenzene	ND<500	100	5.0		
1,4-Dichlorobenzene	ND<500	100	5.0	Dichlorodifluoromethane	ND<500	100	5.0		
1,1-Dichloroethane	ND<500	100	5.0	1,2-Dichloroethane (1,2-DCA)	ND<500	100	5.0		
1,1-Dichloroethene	ND<500	100	5.0	cis-1,2-Dichloroethene	ND<500	100	5.0		
trans-1,2-Dichloroethene	ND<500	100	5.0	1,2-Dichloropropane	ND<500	100	5.0		
1,3-Dichloropropane	ND<500	100	5.0	2,2-Dichloropropane	ND<500	100	5.0		
1,1-Dichloropropene	ND<500	100	5.0	cis-1,3-Dichloropropene	ND<500	100	5.0		
trans-1,3-Dichloropropene	ND<500	100	5.0	Diisopropyl ether (DIPE)	ND<500	100	5.0		
Ethylbenzene	3100	100	5.0	Ethyl tert-butyl ether (ETBE)	ND<500	100	5.0		
Hexachlorobutadiene	ND<500	100	5.0	Hexachloroethane	ND<500	100	5.0		
2-Hexanone	ND<500	100	5.0	Isopropylbenzene	ND<500	100	5.0		
4-Isopropyl toluene	ND<500	100	5.0	Methyl-t-butyl ether (MTBE)	19,000	100	5.0		
Methylene chloride	ND<500	100	5.0	4-Methyl-2-pentanone (MIBK)	ND<500	100	5.0		
Naphthalene	1200	100	5.0	Nitrobenzene	ND<10,000	100	100		
n-Propyl benzene	1100	100	5.0	Styrene	ND<500	100	5.0		
1,1,1,2-Tetrachloroethane	ND<500	100	5.0	1,1,2,2-Tetrachloroethane	ND<500	100	5.0		
Tetrachloroethene	ND<500	100	5.0	Toluene	3200	100	5.0		
1,2,3-Trichlorobenzene	ND<500	100	5.0	1,2,4-Trichlorobenzene	ND<500	100	5.0		
1,1,1-Trichloroethane	ND<500	100	5.0	1,1,2-Trichloroethane	ND<500	100	5.0		
Trichloroethene	ND<500	100	5.0	Trichlorofluoromethane	ND<500	100	5.0		
1,2,3-Trichloropropane	ND<500	100	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<10,000	100	100		
1,2,4-Trimethylbenzene	7000	100	5.0	1,3,5-Trimethylbenzene	2400	100	5.0		
Vinyl Chloride	ND<500	100	5.0	Xylenes	15,000	100	5.0		
	<u></u>	Sur	rogate R	ecoveries (%)		 			
%SS1:	95.		φ	%SS2:	94.	3			
%\$\$3:	11			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,)				
Comments:	11	· · · · · ·							

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.



^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
*	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

	L						
	Volatiles Organi	cs by F	&T an	d GC/MS (Basic Target List)*			
Extraction Method: SW5030B		Ana	lytical Met	hod: SW8260B	Work	Order: 04	104096
Lab ID			***************************************	0404096-005A			
Client ID				P-4			
Matrix				Soil			
			Reporting	· · · · · · · · · · · · · · · · · · ·			Reporting
Compound	Concentration *	DF	Limit	Compound	Concentration *	DF	Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	73	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1.4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	200	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0				
1.1.1-Trichloroethane	ND ND	1.0	5.0	1,2,4-Trichlorobenzene 1,1,2-Trichloroethane	ND ND	1.0	5.0
Trichloroethene	ND ND	1.0	5.0	Trichlorofluoromethane	ND ND	1.0	5.0
1,2,3-Trichloropropane				- 1000 Control	ND	1.0	5.0
	ND	1.0	5.0	1,1,2-Trichloro-1,2,2-triffuoroethane	ND	1.0	100
1,2,4-Trimethylbenzene Vinyl Chloride	ND ND	1.0	5.0	1,3,5-Trimethylbenzene Xylenes	ND ND	1.0	5.0

%SS3:

%SS1:

87.5

109

%SS2:



^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5500 Hollio St, Salto II	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)* Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0404096 Lab ID 0404096-006A Client ID P-5 Matrix Soil Reporting Limit Reporting Compound Concentration * DF Compound Concentration * DF Acetone ND<250 5.0 50 Acrolein (Propenal) ND<250 5.0 50 Acrylonitrile ND<100 5.0 20 tert-Amyl methyl ether (TAME) ND<25 5.0 5.0 Benzene ND<25 5.0 5.0 Bromobenzene ND<25 5.0 5.0 Bromochloromethane ND<25 5.0 5.0 Bromodichloromethane ND<25 5.0 5.0 Bromoform ND<25 5.0 5.0 Bromomethane ND<25 5.0 5.0 2-Butanone (MEK) ND<50 5.0 10 t-Butyl alcohol (TBA) 5.0 25 270 n-Butyl benzene ND<25 5.0 5.0 sec-Butyl benzene ND<25 5.0 5.0 tert-Butyl benzene ND<25 5.0 5.0 Carbon Disulfide ND<25 5.0 5.0 Carbon Tetrachloride ND<25 5.0 5.0 Chlorobenzene ND<25 5.0 5.0 Chloroethane ND<25 5.0 5.0 2-Chloroethyl Vinyl Ether ND<50 5.0 10 Chloroform ND<25 5.0 5.0 Chloromethane ND<25 5.0 5.0 2-Chlorotoluene ND<25 5.0 5.0 4-Chlorotoluene 5.0 ND<25 5.0 Dibromochloromethane ND<25 5.0 5.0 1,2-Dibromo-3-chloropropane ND<25 5.0 5.0 1,2-Dibromoethane (EDB) ND<25 5.0 5.0 Dibromomethane ND<25 5.0 5.0 1,2-Dichlorobenzene ND<25 5.0 5.0 1,3-Dichlorobenzene ND<25 5.0 5.0 1,4-Dichlorobenzene ND<25 5.0 5.0 Dichlorodifluoromethane ND<25 5.0 5.0 1,1-Dichloroethane ND<25 5.0 5.0 1,2-Dichloroethane (1,2-DCA) 5.0 ND<25 5.0 1,1-Dichloroethene ND<25 5.0 5.0 cis-1,2-Dichloroethene ND<25 5.0 5.0 trans-1,2-Dichloroethene ND<25 5.0 5.0 1,2-Dichloropropane 5.0 ND<25 5.0 1,3-Dichloropropane ND<25 5.0 5.0 2,2-Dichloropropane ND<25 5.0 5.0 1,1-Dichloropropene ND<25 5.0 5.0 cis-1,3-Dichloropropene 5.0 ND<25 5.0 trans-1,3-Dichloropropene ND<25 5.0 5.0 Diisopropyl ether (DIPE) 5.0 ND<25 5.0 Ethylbenzene ND<25 5.0 5.0 Ethyl tert-butyl ether (ETBE) ND<25 5.0 5.0 Hexachlorobutadiene ND<25 5.0 5.0 5.0 Hexachloroethane ND<25 5.0 2-Hexanone ND<25 5.0 5.0 Isopropylbenzene ND<25 5.0 5.0 4-Isopropyl toluene ND<25 5.0 5.0 5.0 Methyl-t-butyl ether (MTBE) 700 5.0 Methylene chloride ND<25 5.0 5.0 4-Methyl-2-pentanone (MIBK) ND<25 5.0 5.0 Naphthalene ND<25 5.0 5.0 Nitrobenzene ND<500 5.0 100 n-Propyl benzene ND<25 5.0 5.0 5.0 Styrene ND<25 5.0 1,1,1,2-Tetrachloroethane ND<25 5.0 5.0 1,1,2,2-Tetrachloroethane 5.0 ND<25 5.0 Tetrachloroethene ND<25 5.0 5.0 ND<25 5.0 5.0 1,2,3-Trichlorobenzene ND<25 5.0 5.0 1,2,4-Trichlorobenzene ND<25 5.0 5.0 1,1,1-Trichloroethane ND<25 5.0 5.0 1,1,2-Trichloroethane ND<25 5.0 5.0 Trichloroethene ND<25 5.0 5.0 Trichlorofluoromethane ND<25 5.0 5.0 5.0 1,2,3-Trichloropropane ND<25 5.0 1,1,2-Trichloro-1,2,2-trifluoroethane ND<500 5.0 100 1,2,4-Trimethylbenzene 5.0 5.0 ND<25 1,3,5-Trimethylbenzene ND<25 5.0 5.0 Vinyl Chloride ND<25 5.0 5.0 ND<25 5.0 Surrogate Recoveries (%)

%SS3: Comments:

%SS1:

99.9

99.0

%SS2:



^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5750 Hollo By Built 11	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

Emeryville, CA 94608	Client P.O.:			Date Anal	yzed: 04/08/04-0	4/09/0	4	
	Volatiles Organi	es by	P&T an	d GC/MS (Basic Target List)	*			
Extraction Method: SW5030B		Ana	alytical Met	hod: SW8260B	Work	Order: 04	104096	
Lab ID				0404096-007A				
Client ID			**************************************	P-6				
Matrix				Soil				
Compound	Concentration *	DF	Reporting Limit	ting C				
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	Limit 50	
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0	
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0	
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0	
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0	
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25	
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0	
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0	
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0	
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10	
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0	
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0	
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0	
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0	
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0	
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0	
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0	
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0	
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0	
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0	
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0	
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0	
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0	
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0	
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0	
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	46	1.0	5.0	
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0	
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100	
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0	
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0	
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0	
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0	
1,1,1-Trichloroethane	ND	1.0	5.0	1,1,2-Trichloroethane	ND	1.0	5.0	
Trichloroethene	ND	1.0	5.0	Trichlorofluoromethane	ND	1.0	5.0	
1,2,3-Trichloropropane	ND	1.0	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	100	
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0	
Vinyl Chloride	ND	1.0	5.0	Xylenes	ND	1.0	5.0	
		Sur	rogate Re	ecoveries (%)				
%SS1:	94.	9		%SS2:	97.0	Ś		
				l	1			

%SS3:

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.



^{*} 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.



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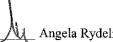
Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5700 Homb Bi, Built H	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Lab ID				0404096-008A							
Client ID											
Matrix		P-7 Soil									
	Matrix Compound Concentration * DF		Reporting	Compound	Concentration *	DF	Reporting Limit				
Acetone	ND<500	10	50			10	50				
Acrylonitrile	ND<200	10	20	tert-Amyl methyl ether (TAME)	ND<500 ND<50	10	5.0				
Benzene	ND<50	10	5.0	Bromobenzene	ND<50	10	5.0				
Bromochloromethane	ND<50	10	5.0	Bromodichloromethane	ND<50	10	5.0				
Bromoform	ND<50	10	5.0	Bromomethane	ND<50	10	5.0				
2-Butanone (MEK)	ND<100	10	10	t-Butyl alcohol (TBA)	ND<250	10	25				
n-Butyl benzene	ND<50	10	5.0	sec-Butyl benzene	ND<50	10	5.0				
tert-Butyl benzene	ND<50	10	5.0	Carbon Disulfide	ND<50	10	5.0				
Carbon Tetrachloride	ND<50	10	5.0	Chlorobenzene	ND<50	10	5.0				
Chloroethane Chloroethane	ND<50	10	5.0	2-Chloroethyl Vinyl Ether	ND<100	10	10				
Chloroform	ND<50	10	5.0	Chloromethane	ND<50	10	5.0				
2-Chlorotoluene	ND<50 ND<50	10	5.0	4-Chlorotoluene	ND<50	10	5.0				
Dibromochloromethane	ND<50	10	5.0	1,2-Dibromo-3-chloropropane	ND<50	10	5.0				
			5.0	; '							
1,2-Dibromoethane (EDB)	ND<50	10		Dibromomethane	ND<50	10	5.0				
1,2-Dichlorobenzene	ND<50	10	5.0	1,3-Dichlorobenzene	ND<50	10	5.0				
1,4-Dichlorobenzene	ND<50	10	5.0	Dichlorodifluoromethane	ND<50	10	5.0				
1,1-Dichloroethane	ND<50	10	5.0	1,2-Dichloroethane (1,2-DCA)	ND<50	10	5.0				
1,1-Dichloroethene	ND<50	10	5.0	cis-1,2-Dichloroethene	ND<50	10	5.0				
trans-1,2-Dichloroethene	ND<50	10	5.0	1,2-Dichloropropane	ND<50	10	5.0				
1,3-Dichloropropane	ND<50	10	5.0	2,2-Dichloropropane	ND<50	10	5.0				
1,1-Dichloropropene	ND<50	10	5.0	cis-1,3-Dichloropropene	ND<50	10	5.0				
trans-1,3-Dichloropropene	ND<50	10	5.0	Diisopropyl ether (DIPE)	ND<50	10	5.0				
Ethylbenzene	ND<50	10	5.0	Ethyl tert-butyl ether (ETBE)	ND<50	10	5.0				
Hexachlorobutadiene	ND<50	10	5.0	Hexachloroethane	ND<50	10	5.0				
2-Hexanone	ND<50	10	5.0	Isopropylbenzene	ND<50	10	5.0				
4-Isopropyl toluene	ND<50	10	5.0	Methyl-t-butyl ether (MTBE)	600	10	5.0				
Methylene chloride	ND<50	10	5.0	4-Methyl-2-pentanone (MIBK)	ND<50	10	5.0				
Naphthalene	ND<50	10	5.0	Nitrobenzene	ND<1000	10	100				
n-Propyl benzene	ND<50	10	5.0	Styrene	ND<50	10	5.0				
1,1,1,2-Tetrachloroethane	ND<50	10	5.0	1,1,2,2-Tetrachloroethane	ND<50	10	5.0				
Tetrachloroethene	ND<50	10	5.0	Toluene	ND<50	10	5.0				
1,2,3-Trichlorobenzene	ND<50	10	5.0	1,2,4-Trichlorobenzene	ND<50	10	5.0				
1,1,1-Trichloroethane	ND<50	10	5.0	1,1,2-Trichloroethane	ND<50	10	5.0				
Trichloroethene	ND<50	10	5.0	Trichlorofluoromethane	ND<50	10	5.0				
1,2,3-Trichloropropane	ND<50	10	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<1000	10	100				
1,2,4-Trimethylbenzene	ND<50	10	5.0	1,3,5-Trimethylbenzene	ND<50	10	5.0				
Vinyl Chloride	ND<50	10	5.0	Xylenes	ND<50	10	5.0				
<u> </u>		Sur	rogate R	ecoveries (%)							
%SS1:	98.			%SS2:	94.	1					
%SS3:	99.			1							

Comments:

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.



^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St, Suite A		Date Received: 04/08/04
5500 Home by bane 11	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

,	Volatiles Organi	cs by I	&T an	d GC/MS (Basic Target List)*		
Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0404096							
Lab ID				0404096-009A			
Client ID				P-8			
Matrix				Soil			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	Acrolein (Propenal)	ND	1.0	50
Acrylonitrile	ND	1.0	20	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	120	1.0	25
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND	1.0	5.0	Chloromethane	ND	1.0	5.0
2-Chlorotoluene	ND	1.0	5.0	4-Chlorotoluene	ND	1.0	5.0
Dibromochloromethane	ND	1.0	5.0	1,2-Dibromo-3-chloropropane	ND	1.0	5.0
1,2-Dibromoethane (EDB)	ND	1.0	5.0	Dibromomethane	ND	1.0	5.0
1,2-Dichlorobenzene	ND	1.0	5.0	1,3-Dichlorobenzene	ND	1.0	5.0
1,4-Dichlorobenzene	ND	1.0	5.0	Dichlorodifluoromethane	ND	1.0	5.0
1,1-Dichloroethane	ND	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0
1,1-Dichloroethene	ND	1.0	5.0	cis-1,2-Dichloroethene	ND	1.0	5.0
trans-1,2-Dichloroethene	ND	1.0	5.0	1,2-Dichloropropane	ND	1.0	5.0
1,3-Dichloropropane	ND	1.0	5.0	2,2-Dichloropropane	ND	1.0	5.0
1,1-Dichloropropene	ND	1.0	5.0	cis-1,3-Dichloropropene	ND	1.0	5.0
trans-1,3-Dichloropropene	ND	1.0	5.0	Diisopropyl ether (DIPE)	ND	1.0	5.0
Ethylbenzene	ND	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	45	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	Nitrobenzene	ND	1.0	100
n-Propyl benzene	ND	1.0	5.0	Styrene	ND	1.0	5.0
1,1,1,2-Tetrachloroethane	ND	1.0	5.0	1,1,2,2-Tetrachloroethane	ND	1.0	5.0
Tetrachloroethene	ND	1.0	5.0	Toluene	ND	1.0	5.0
1,2,3-Trichlorobenzene	ND	1.0	5.0	1,2,4-Trichlorobenzene	ND	1.0	5.0
L				 			+

	Surrogate Re		
%SS1:	90.4	%SS2:	90.9
%SS3:	87.9		

5.0

5.0

5.0

5.0

5.0

1,1,2-Trichloroethane

Trichlorofluoromethane

1,3,5-Trimethylbenzene

1,1,2-Trichloro-1,2,2-trifluoroethane

Comments

1,1,1-Trichloroethane

1,2,3-Trichloropropane

1,2,4-Trimethylbenzene

Trichloroethene

Vinyl Chloride

1.0

1.0

1.0

1.0

1.0

ND

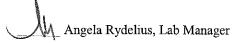
ND

ND

ND

ND

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.



NĐ

ND

ND

ND

ND

1.0

1.0

1.0

1.0

5.0

5.0

100

5.0

^{*} 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.



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Cambria Env. Technology	Client Project ID: #31E-1966; 9-4800	Date Sampled: 04/08/04
5900 Hollis St. Suite A		Date Received: 04/08/04
5,500 Hollis Big Guitt H	Client Contact: Tom Sparrowe	Date Extracted: 04/08/04
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 04/08/04-04/09/04

Volatiles Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0404096

Extraction Method: SW5030B		Ana	lytical Met	hod: SW8260B	Work	Order: 0	404096	
Lab ID				0404096-010A				
Client ID		P-9						
Matrix				Soil				
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit	
Acetone	ND<200	4.0	50	Acrolein (Propenal)	ND<200	4.0	50	
Acrylonitrile	ND<80	4.0	20	tert-Amyl methyl ether (TAME)	ND<20	4.0	5.0	
Benzene	ND<20	4.0	5.0	Bromobenzene	ND<20	4.0	5.0	
Bromochloromethane	ND<20	4.0	5.0	Bromodichloromethane	ND<20	4.0	5.0	
Bromoform	ND<20	4.0	5.0	Bromomethane	ND<20	4.0	5.0	
2-Butanone (MEK)	ND<40	4.0	10	t-Butyl alcohol (TBA)	ND<100	4.0	25	
n-Butyl benzene	ND<20	4.0	5.0	sec-Butyl benzene	ND<20	4.0	5.0	
tert-Butyl benzene	ND<20	4.0	5.0	Carbon Disulfide	ND<20	4.0	5.0	
Carbon Tetrachloride	ND<20	4.0	5.0	Chlorobenzene	ND<20	4.0	5.0	
Chloroethane	ND<20	4.0	5.0	2-Chloroethyl Vinyl Ether	ND<40	4.0	10	
Chloroform	ND<20	4.0	5.0	Chloromethane	ND<20	4.0	5.0	
2-Chlorotoluene	ND<20	4.0	5.0	4-Chlorotoluene	ND<20	4.0	5.0	
Dibromochloromethane	ND<20	4.0	5.0	1,2-Dibromo-3-chloropropane	ND<20	4.0	5.0	
1,2-Dibromoethane (EDB)	ND<20	4.0	5.0	Dibromomethane	ND<20	4.0	5.0	
1,2-Dichlorobenzene	ND<20	4.0	5.0	1,3-Dichlorobenzene	ND<20	4.0	5.0	
1.4-Dichlorobenzene	ND<20	4.0	5.0	Dichlorodifluoromethane	ND<20	4.0	5.0	
1,1-Dichloroethane	ND<20	4.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<20	4.0	5.0	
1,1-Dichloroethene	ND<20	4.0	5.0	cis-1,2-Dichloroethene	ND<20	4.0	5.0	
trans-1,2-Dichloroethene	ND<20	4.0	5.0	1,2-Dichloropropane	ND<20	4.0	5.0	
1,3-Dichloropropane	ND<20	4.0	5.0	2,2-Dichloropropane	ND<20	4.0	5.0	
1,1-Dichloropropene	ND<20	4.0	5.0	cis-1,3-Dichloropropene	ND<20	4.0	5.0	
trans-1,3-Dichloropropene	ND<20	4.0	5.0	Diisopropyl ether (DIPE)	ND<20	4.0	5.0	
Ethylbenzene	ND<20	4.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<20	4.0	5.0	
Hexachlorobutadiene	ND<20	4.0	5.0	Hexachloroethane	ND<20	4.0	5.0	
2-Hexanone	ND<20	4.0	5.0	Isopropylbenzene	ND<20	4.0	5.0	
4-Isopropyl toluene	ND<20	4.0	5.0	Methyl-t-butyl ether (MTBE)	270	4.0	5.0	
Methylene chloride	ND<20	4.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<20	4.0	5.0	
Naphthalene	ND<20	4.0	5.0	Nitrobenzene	ND<400	4.0	100	
n-Propyl benzene	ND<20	4.0	5.0	Styrene	ND<20	4.0	5.0	
1,1,1,2-Tetrachloroethane	ND<20	4.0	5.0	1,1,2,2-Tetrachloroethane	ND<20	4.0	5.0	
Tetrachloroethene	ND<20	4.0	5.0	Toluene	ND<20	4.0	5.0	
1,2,3-Trichlorobenzene	ND<20	4.0	5.0	1,2,4-Trichlorobenzene	ND<20	4.0	5.0	
1,1,1-Trichloroethane	ND<20	4.0	5.0	1,1,2-Trichloroethane	ND<20	4.0	5.0	
Trichloroethene	ND<20	4.0	5.0	Trichlorofluoromethane	ND<20	4.0	5.0	
1,2,3-Trichloropropane	ND<20	4.0	5.0	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<400	4.0	100	
1,2,4-Trimethylbenzene	ND<20	4.0	5.0	1,3,5-Trimethylbenzene	ND<20	4.0	5.0	
Vinyl Chloride	ND<20	4.0	5.0	Xylenes	ND<20	4.0	5.0	
***************************************				ecoveries (%)	- 1- 740		. 5.0	
%SS1:	99.		5 11.	%SS2:	95.	1	A-1/2-27-11	
%SS3:	96.5							
/000J.	30.							

Comments:

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.



^{*} 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.



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Cambria Env. Technology

5900 Hollis St, Suite A

Emeryville, CA 94608

Client Project ID: #31E-1966; 9-4800

Date Sampled: 04/08/04

Date Received: 04/08/04

Client Contact: Tom Sparrowe

Date Extracted: 04/08/04

Client P.O.:

Date Analyzed: 04/09/04

Lead by ICP*

Analytical methods: 6010C Extraction method: SW3050B Work Order: 0404096 Lah ID Client ID Matrix Extraction % SS Lead 0404096-001A P-1 S TTLC 5.2 102 S 0404096-002A P-2 TTLC 5.5 100 0404096-003A P-3 51 S TTLC 5.6 1 104 S 0404096-004A P-3 10' TTLC ND 1 101 0404096-005A P-4 S TTLC 5.3 1 105 S 0404096-006A P-5 TTLC ND 1 103 0404096-007A S P-6 TTLC 5.7 1 102 0404096-008A P-7 S TTLC ND 1 107 0404096-009A P-8 S TTLC 103 6.1 1 0404096-010A P-9 S TTLC 7.4 103

Reporting Limit for DF =1; ND means not detected at or	W	TTLC	NA	mg/L
above the reporting limit	S	TTLC	5.0	mg/Kg

*water/product/oil/non-aqueous liquid samples and all TCLP / 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).

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; 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.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0404096

EPA Method: SW802	1B/8015Cm E	extraction:	tion: SW5030B		BatchID:	11049	Spiked Sample ID: 0404091-001A			
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptanc	e Criteria (%)
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex) [£]	ND	0.60	99.8	99.7	0.0107	102	97.7	4.30	70	130
МТВЕ	ND	0.10	97.7	97.9	0.207	98.3	98.6	0.321	70	130
Benzene	ND	0.10	100	103	3.02	101	102	0.364	70	130
Toluene	ND	0.10	86.6	89.2	2.94	87.4	88.4	1.19	70	130
Ethylbenzene	ND	0.10	106	108	2.12	107	109	1.73	70	130
Xylenes	ND	0.30	95.7	96	0.348	95.7	96.3	0.694	70	130
%SS:	98.2	0.10	94.5	80.5	16.0	84.3	89.3	5.76	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if; a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

[£] TPH(btex) = sum of BTEX areas from the FID.

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.



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

QC SUMMARY REPORT FOR SW8015C

Matrix: S

WorkOrder: 0404096

EPA Method: SW8015C	E	Extraction:	SW3550C	;	BatchID:	11050	Spiked Sample ID: 0404091-001A											
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)								
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	Hìgh								
TPH(d)	ND	150	96.2	94.7	1.53	98.6	101	1.91	70	130								
%SS:	88.4	50	96.1	94.8	1.44	94.3	96.1	1.96	70	130								

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

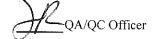
Matrix: S

WorkOrder: 0404096

EPA Method: SW8260B	E	extraction:	SW5030E	3	BatchID:	11051	Spiked Sample ID: 0404091-00								
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)					
	μg/Kg	μg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High					
tert-Amyl methyl ether (TAME)	ND	50	107	104	2.76	96.8	98.2	1.47	70	130					
Benzene	ND	50	122	118	2.70	127	128	0.900	70	130					
t-Butyl alcohol (TBA)	ND	250	110	104	5.24	78.1	83.1	6.18	70	130					
Chlorobenzene	ND	50	112	108	3.71	106	106	. 0	70	130					
1,2-Dibromoethane (EDB)	ND	50	122	121	1.15	96.2	98.6	2.44	70	130					
1,2-Dichloroethanc (1,2-DCA)	ND	50	114	111	2.98	109	112	2.94	70	130					
1,1-Dichloroethene	ND	50	117	115	1.12	108	107	0.641	70	130					
Diisopropyl ether (DIPE)	ND	50	95.7	92.2	3.78	105	107	1.75	70	130					
Ethyl tert-butyl ether (ETBE)	ND	50	99	94.9	4.19	96.7	97.4	0.673	70	130					
Methyl-t-butyl ether (MTBE)	ND	50	107	103	3.18	95.9	96.7	0.823	70	130					
Toluene	ND	50	109	107	2.33	102	103	0.407	70	130					
Trichloroethene	ND	50	92.3	89.7	2.94	83.9	86	2.57	70	130					
%SS1:	91.8	50	104	103	1.15	99.1	98.8	0.306	70	130					
%SS2:	97.0	50	97.8	97.8	0	94	93.2	0.824	70	130					
%SS3:	96.1	50	100	101	0.873	98.7	97.9	0.775	70	130					

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.



MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

[%] Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

^{*} MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.



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QC SUMMARY REPORT FOR 6010C

Matrix: S

WorkOrder: 0404096

EPA Method: 6010C	E	Extraction:	SW3050E	3	BatchID:	11046	Spiked Sample ID: 0404094-001A									
	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)						
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High						
Lead	54.55	50	NR	NR	NR	84.4	84	0.416	80	120						
%SS:	109	250	105	104	0.961	100	98.6	1.61	80	120						

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions: NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

QA/QC Officer

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

B

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

WorkOrder: 0404096

Report to:

Tom Sparrowe

Cambria Env. Technology 5900 Hollis St, Suite A Emeryville, CA 94608 TEL: FAX: (510) 420-0700

FAX: (510) 420-9170 ProjectNo: #31E-1966; 9-4800

PO:

Bill to:

Requested TAT:

1 day

Accounts Payable

Cambria Env. Technology

5900 Hollis St, Ste. A Emeryville, CA 94608 Date Received:

4/8/04

Date Printed:

4/8/04

									Red	quest	ed Tes	ts (Se	legen	d belo	w)						
Sample ID	ClientSampID	Matrix	Collection Date Hold	1	2	3	4	5		6	7	8	9	}	10	11		12	13	14	15
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0404096-003	P-3 5'	Soil	4/8/04 11:35:00 AM	Α	Α	Α															
0404096-004	P-3 10'	Soil	4/8/04 11:30:00 AM	Α	Α	Α															
0404096-005	P-4	Soil	4/8/04 11:40:00 AM	Α	Α	Α															
0404096-006	P-5	Soil	4/8/04 11:45:00 AM	Α	Α	Α		-													
0404096-007	P-6	Soil	4/8/04 11:55:00 PM	Α	Α	Α	i														
0404096-008	P-7	Soil	4/8/04 12:00:00 PM	Α	Α	Α		:													
0404096-009	P-8	Soil	4/8/04 12:05:00 PM	Α	Α	Α	;														
0404096-010	P - 9	Soil	4/8/04 12:50:00 PM	Α	Α	Α															

Test Legend:

1	8260B_S
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11	

2	G-MBTEX_S
7	
12	

3	PB_S
8	
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4	PREDF REPORT
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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.

-1821 0404096

McCAMPBELL ANALYTICAL INC. 110 2 nd AVENUE SOUTH, #D7												7	Secondary of the Personal Pers		manage.			H	II	V ()F	CI	JS'	TO	D	V F	Œ	\overline{CC}	RI	*CHAIN OF CUSTODY RECORD													
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