

GROUND ZERO ANALYSIS

0312368

No 1701

CHAIN OF CUSTODY RECORD ANALYSIS REQUEST

PROJECT NO.		PROJECT NAME/SITE		ANALYSIS REQUESTED										RO. #:
365		Pure Etch		/										
SAMPLERS		(SIGN)		(PRINT)		NO. CONTAINERS	SAMPLE TYPE	BTEX (802/8020)	TPH8 (8015)	TPHd (8015)	OXYGENATES (8260)	801/8010	8260 FULL SCAN	REMARKS
SAMPLE IDENTIFICATION	DATE	TIME	COMP	GRAB	PRES. USED			ICED						
LPE MW8-50(11)	12/17/03	8:10a 8:52a		X	HCl, m EG	X	4	S	X	X	X	X		
LPE MW8-55(12)		8:20a												
LPE MW8-60(13)		8:30a												
LPE MW8-65(14)		8:40a												
LPE MW8-70-77(15)		9:05a												
LPE MW7-50(16)		11:55a												
LPE MW7-55(17)		12:00p												
LPE MW7-60(18)		12:11p												
LPE MW7-65(19)	↓	12:25p		↓	↓	↓	↓	↓	↓	↓	↓	↓		
LPE MW7-70(20)	12/17/03	12:35p		X	HCl, m EG	X	4	S	X	X	X	X		

RELINQUISHED BY: <i>John Lane</i>	DATE: 12/17/03	TIME: 1:50p	RECEIVED BY: <i>Don Poy</i>	LABORATORY: McCampbell Analytical	PLEASE SEND RESULTS TO: Ground Zero Analysis 1714 main Street Escalante, CA					
RELINQUISHED BY: <i>John Lane</i>	DATE: 12/18/03	TIME: 9:00	RECEIVED BY: <i>Maria Kelly</i>	110 2nd Ave South, #D7 Pacheco, CA 94533						
RELINQUISHED BY: <i>John Lane</i>	DATE:	TIME:	RECEIVED BY:	REQUESTED TURNAROUND TIME: Standard						
ICB/P: <i>John Lane</i>	APPROPRIATE CONTAINERS PRESERVED IN LAB: <input checked="" type="checkbox"/>	DATE:	RECEIVED BY:	RECEIPT CONDITION: <i>Fellex</i>	PROJECT MANAGER: <i>John Lane</i>					
RELIABILITY: <input checked="" type="checkbox"/>	HEAD SPACE ABSENT: <input checked="" type="checkbox"/>	DECHLORINATED IN LAB: <input checked="" type="checkbox"/>	VOAS: <input checked="" type="checkbox"/>	ORG: <input checked="" type="checkbox"/>	METALS: <input checked="" type="checkbox"/>	OTHER: <input checked="" type="checkbox"/>	PRESERVATION: <input checked="" type="checkbox"/>	REC'D SEALED & INTACT VIA: <i>Fellex</i>		



McC Campbell Analytical Inc.

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

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/15/03
		Date Received: 12/17/03
	Client Contact: John Lane	Date Reported: 12/22/03
	Client P.O.:	Date Completed: 12/22/03

WorkOrder: 0312320

December 22, 2003

Dear John:

Enclosed are:

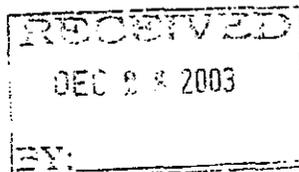
- 1). the results of 10 analyzed samples from your #365; Pure Etch project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

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. McC Campbell 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,

Angela Rydelius, Lab Manager





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Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/15/03
		Date Received: 12/17/03
	Client Contact: John Lane	Date Extracted: 12/17/03
	Client P.O.:	Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

Lab ID	0312320-001A						
Client ID	MW10-50(1)						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<4.9	1.0	50	tert-Amyl methyl ether (TAME)	ND<4.9	1.0	5.0
Benzene	ND<4.9	1.0	5.0	Bromobenzene	ND<4.9	1.0	5.0
Bromochloromethane	ND<4.9	1.0	5.0	Bromodichloromethane	ND<4.9	1.0	5.0
Bromoform	ND<4.9	1.0	5.0	Bromomethane	ND<4.9	1.0	5.0
2-Butanone (MEK)	ND<9.9	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND<4.9	1.0	5.0	sec-Butyl benzene	ND<4.9	1.0	5.0
tert-Butyl benzene	ND<4.9	1.0	5.0	Carbon Disulfide	ND<4.9	1.0	5.0
Carbon Tetrachloride	ND<4.9	1.0	5.0	Chlorobenzene	ND<4.9	1.0	5.0
Chloroethane	ND<4.9	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<9.9	1.0	10
Chloroform	ND<4.9	1.0	5.0	Chloromethane	ND<4.9	1.0	5.0
2-Chlorotoluene	ND<4.9	1.0	5.0	4-Chlorotoluene	ND<4.9	1.0	5.0
Dibromochloromethane	ND<4.9	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<4.9	1.0	5.0
1,2-Dibromoethane (EDB)	ND<4.9	1.0	5.0	Dibromomethane	ND<4.9	1.0	5.0
1,2-Dichlorobenzene	ND<4.9	1.0	5.0	1,3-Dichlorobenzene	ND<4.9	1.0	5.0
1,4-Dichlorobenzene	ND<4.9	1.0	5.0	Dichlorodifluoromethane	ND<4.9	1.0	5.0
1,1-Dichloroethane	ND<4.9	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4.9	1.0	5.0
1,1-Dichloroethene	8.7	1.0	5.0	cis-1,2-Dichloroethene	ND<4.9	1.0	5.0
trans-1,2-Dichloroethene	ND<4.9	1.0	5.0	1,2-Dichloropropane	ND<4.9	1.0	5.0
1,3-Dichloropropane	ND<4.9	1.0	5.0	2,2-Dichloropropane	ND<4.9	1.0	5.0
1,1-Dichloropropene	ND<4.9	1.0	5.0	cis-1,3-Dichloropropene	ND<4.9	1.0	5.0
trans-1,3-Dichloropropene	ND<4.9	1.0	5.0	Diisopropyl ether (DIPE)	ND<4.9	1.0	5.0
Ethylbenzene	ND<4.9	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<4.9	1.0	5.0
Hexachlorobutadiene	ND<4.9	1.0	5.0	2-Hexanone	ND<4.9	1.0	5.0
Iodomethane (Methyl iodide)	ND<4.9	1.0	50	Isopropylbenzene	ND<4.9	1.0	5.0
4-Isopropyl toluene	ND<4.9	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<4.9	1.0	5.0
Methylene chloride	ND<4.9	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<4.9	1.0	5.0
Naphthalene	ND<4.9	1.0	5.0	n-Propyl benzene	ND<4.9	1.0	5.0
Styrene	ND<4.9	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<4.9	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<4.9	1.0	5.0	Tetrachloroethene	ND<4.9	1.0	5.0
Toluene	ND<4.9	1.0	5.0	1,2,3-Trichlorobenzene	ND<4.9	1.0	5.0
1,2,4-Trichlorobenzene	ND<4.9	1.0	5.0	1,1,1-Trichloroethane	ND<4.9	1.0	5.0
1,1,2-Trichloroethane	ND<4.9	1.0	5.0	Trichloroethene	ND<4.9	1.0	5.0
Trichlorofluoromethane	ND<4.9	1.0	5.0	1,2,3-Trichloropropane	ND<4.9	1.0	5.0
1,2,4-Trimethylbenzene	ND<4.9	1.0	5.0	1,3,5-Trimethylbenzene	ND<4.9	1.0	5.0
Vinyl Acetate	ND<4.9	1.0	50	Vinyl Chloride	ND<4.9	1.0	5.0
Xylenes	ND<4.9	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	97.1	%SS2:	102
%SS3:	107		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

 Angela Rydelius, Lab Manager



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Ground Zero Analysis, Inc.

1714 Main Street

Escalon, CA 95320

Client Project ID: #365; Pure Etch

Client Contact: John Lane

Client P.O.:

Date Sampled: 12/15/03

Date Received: 12/17/03

Date Extracted: 12/17/03

Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

Lab ID

0312320-002A

Client ID

MW10-55(2)

Matrix

Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	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	10	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	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	50	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	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
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	101	%SS2:	104
%SS3:	108		

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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



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Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/15/03
		Date Received: 12/17/03
	Client Contact: John Lane	Date Extracted: 12/17/03
	Client P.O.:	Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

Lab ID	0312320-003A
Client ID	MW10-60(3)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.6	1.0	5.0	tert-Amyl methyl ether (TAME)	ND<5.6	1.0	5.0
Benzene	ND<5.6	1.0	5.0	Bromobenzene	ND<5.6	1.0	5.0
Bromochloromethane	ND<5.6	1.0	5.0	Bromodichloromethane	ND<5.6	1.0	5.0
Bromoform	ND<5.6	1.0	5.0	Bromomethane	ND<5.6	1.0	5.0
2-Butanone (MEK)	ND<11	1.0	10	t-Butyl alcohol (TBA)	ND<28	1.0	25
n-Butyl benzene	ND<5.6	1.0	5.0	sec-Butyl benzene	ND<5.6	1.0	5.0
tert-Butyl benzene	ND<5.6	1.0	5.0	Carbon Disulfide	ND<5.6	1.0	5.0
Carbon Tetrachloride	ND<5.6	1.0	5.0	Chlorobenzene	ND<5.6	1.0	5.0
Chloroethane	ND<5.6	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<11	1.0	10
Chloroform	ND<5.6	1.0	5.0	Chloromethane	ND<5.6	1.0	5.0
2-Chlorotoluene	ND<5.6	1.0	5.0	4-Chlorotoluene	ND<5.6	1.0	5.0
Dibromochloromethane	ND<5.6	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.6	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.6	1.0	5.0	Dibromomethane	ND<5.6	1.0	5.0
1,2-Dichlorobenzene	ND<5.6	1.0	5.0	1,3-Dichlorobenzene	ND<5.6	1.0	5.0
1,4-Dichlorobenzene	ND<5.6	1.0	5.0	Dichlorodifluoromethane	ND<5.6	1.0	5.0
1,1-Dichloroethane	ND<5.6	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.6	1.0	5.0
1,1-Dichloroethene	ND<5.6	1.0	5.0	cis-1,2-Dichloroethene	ND<5.6	1.0	5.0
trans-1,2-Dichloroethene	ND<5.6	1.0	5.0	1,2-Dichloropropane	ND<5.6	1.0	5.0
1,3-Dichloropropane	ND<5.6	1.0	5.0	2,2-Dichloropropane	ND<5.6	1.0	5.0
1,1-Dichloropropene	ND<5.6	1.0	5.0	cis-1,3-Dichloropropene	ND<5.6	1.0	5.0
trans-1,3-Dichloropropene	ND<5.6	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.6	1.0	5.0
Ethylbenzene	ND<5.6	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.6	1.0	5.0
Hexachlorobutadiene	ND<5.6	1.0	5.0	2-Hexanone	ND<5.6	1.0	5.0
Iodomethane (Methyl iodide)	ND<5.6	1.0	5.0	Isopropylbenzene	ND<5.6	1.0	5.0
4-Isopropyl toluene	ND<5.6	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.6	1.0	5.0
Methylene chloride	ND<5.6	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.6	1.0	5.0
Naphthalene	ND<5.6	1.0	5.0	n-Propyl benzene	ND<5.6	1.0	5.0
Styrene	ND<5.6	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.6	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.6	1.0	5.0	Tetrachloroethene	ND<5.6	1.0	5.0
Toluene	ND<5.6	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.6	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.6	1.0	5.0	1,1,1-Trichloroethane	ND<5.6	1.0	5.0
1,1,2-Trichloroethane	ND<5.6	1.0	5.0	Trichloroethene	ND<5.6	1.0	5.0
Trichlorofluoromethane	ND<5.6	1.0	5.0	1,2,3-Trichloropropane	ND<5.6	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.6	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.6	1.0	5.0
Vinyl Acetate	ND<5.6	1.0	5.0	Vinyl Chloride	ND<5.6	1.0	5.0
Xylenes	ND<5.6	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	94.8	%SS2:	104
%SS3:	109		

Comments: k

* 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.

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Client Project ID: #365; Pure Etch
 Client Contact: John Lane
 Client P.O.:

Date Sampled: 12/15/03
 Date Received: 12/17/03
 Date Extracted: 12/17/03
 Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

Lab ID	0312320-004A
Client ID	MW10-65(4)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.3	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.3	1.0	5.0
Benzene	ND<5.3	1.0	5.0	Bromobenzene	ND<5.3	1.0	5.0
Bromochloromethane	ND<5.3	1.0	5.0	Bromodichloromethane	ND<5.3	1.0	5.0
Bromoform	ND<5.3	1.0	5.0	Bromomethane	ND<5.3	1.0	5.0
2-Butanone (MEK)	ND<11	1.0	10	t-Butyl alcohol (TBA)	ND<27	1.0	25
n-Butyl benzene	ND<5.3	1.0	5.0	sec-Butyl benzene	ND<5.3	1.0	5.0
tert-Butyl benzene	ND<5.3	1.0	5.0	Carbon Disulfide	ND<5.3	1.0	5.0
Carbon Tetrachloride	ND<5.3	1.0	5.0	Chlorobenzene	ND<5.3	1.0	5.0
Chloroethane	ND<5.3	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<11	1.0	10
Chloroform	ND<5.3	1.0	5.0	Chloromethane	ND<5.3	1.0	5.0
2-Chlorotoluene	ND<5.3	1.0	5.0	4-Chlorotoluene	ND<5.3	1.0	5.0
Dibromochloromethane	ND<5.3	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.3	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.3	1.0	5.0	Dibromomethane	ND<5.3	1.0	5.0
1,2-Dichlorobenzene	ND<5.3	1.0	5.0	1,3-Dichlorobenzene	ND<5.3	1.0	5.0
1,4-Dichlorobenzene	ND<5.3	1.0	5.0	Dichlorodifluoromethane	ND<5.3	1.0	5.0
1,1-Dichloroethane	ND<5.3	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.3	1.0	5.0
1,1-Dichloroethene	ND<5.3	1.0	5.0	cis-1,2-Dichloroethene	ND<5.3	1.0	5.0
trans-1,2-Dichloroethene	ND<5.3	1.0	5.0	1,2-Dichloropropane	ND<5.3	1.0	5.0
1,3-Dichloropropane	ND<5.3	1.0	5.0	2,2-Dichloropropane	ND<5.3	1.0	5.0
1,1-Dichloropropene	ND<5.3	1.0	5.0	cis-1,3-Dichloropropene	ND<5.3	1.0	5.0
trans-1,3-Dichloropropene	ND<5.3	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.3	1.0	5.0
Ethylbenzene	ND<5.3	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.3	1.0	5.0
Hexachlorobutadiene	ND<5.3	1.0	5.0	2-Hexanone	ND<5.3	1.0	5.0
Iodomethane (Methyl iodide)	ND<5.3	1.0	50	Isopropylbenzene	ND<5.3	1.0	5.0
4-Isopropyl toluene	ND<5.3	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.3	1.0	5.0
Methylene chloride	ND<5.3	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.3	1.0	5.0
Naphthalene	ND<5.3	1.0	5.0	n-Propyl benzene	ND<5.3	1.0	5.0
Styrene	ND<5.3	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.3	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.3	1.0	5.0	Tetrachloroethene	ND<5.3	1.0	5.0
Toluene	ND<5.3	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.3	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.3	1.0	5.0	1,1,1-Trichloroethane	ND<5.3	1.0	5.0
1,1,2-Trichloroethane	ND<5.3	1.0	5.0	Trichloroethene	ND<5.3	1.0	5.0
Trichlorofluoromethane	ND<5.3	1.0	5.0	1,2,3-Trichloropropane	ND<5.3	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.3	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.3	1.0	5.0
Vinyl Acetate	ND<5.3	1.0	50	Vinyl Chloride	ND<5.3	1.0	5.0
Xylenes	ND<5.3	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	92.9	%SS2:	104
%SS3:	109		

Comments: k
 * 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



McC Campbell Analytical Inc.

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

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/15/03
		Date Received: 12/17/03
	Client Contact: John Lane	Date Extracted: 12/17/03
	Client P.O.:	Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

Lab ID	0312320-005A
Client ID	MW10-72(5)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.9	1.0	5.0	tert-Amyl methyl ether (TAME)	ND<5.9	1.0	5.0
Benzene	ND<5.9	1.0	5.0	Bromobenzene	ND<5.9	1.0	5.0
Bromochloromethane	ND<5.9	1.0	5.0	Bromodichloromethane	ND<5.9	1.0	5.0
Bromoform	ND<5.9	1.0	5.0	Bromomethane	ND<5.9	1.0	5.0
2-Butanone (MEK)	ND<12	1.0	10	t-Butyl alcohol (TBA)	ND<30	1.0	25
n-Butyl benzene	ND<5.9	1.0	5.0	sec-Butyl benzene	ND<5.9	1.0	5.0
tert-Butyl benzene	ND<5.9	1.0	5.0	Carbon Disulfide	ND<5.9	1.0	5.0
Carbon Tetrachloride	ND<5.9	1.0	5.0	Chlorobenzene	ND<5.9	1.0	5.0
Chloroethane	ND<5.9	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<12	1.0	10
Chloroform	ND<5.9	1.0	5.0	Chloromethane	ND<5.9	1.0	5.0
2-Chlorotoluene	ND<5.9	1.0	5.0	4-Chlorotoluene	ND<5.9	1.0	5.0
Dibromochloromethane	ND<5.9	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.9	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.9	1.0	5.0	Dibromomethane	ND<5.9	1.0	5.0
1,2-Dichlorobenzene	ND<5.9	1.0	5.0	1,3-Dichlorobenzene	ND<5.9	1.0	5.0
1,4-Dichlorobenzene	ND<5.9	1.0	5.0	Dichlorodifluoromethane	ND<5.9	1.0	5.0
1,1-Dichloroethane	ND<5.9	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.9	1.0	5.0
1,1-Dichloroethene	ND<5.9	1.0	5.0	cis-1,2-Dichloroethene	ND<5.9	1.0	5.0
trans-1,2-Dichloroethene	ND<5.9	1.0	5.0	1,2-Dichloropropane	ND<5.9	1.0	5.0
1,3-Dichloropropane	ND<5.9	1.0	5.0	2,2-Dichloropropane	ND<5.9	1.0	5.0
1,1-Dichloropropene	ND<5.9	1.0	5.0	cis-1,3-Dichloropropene	ND<5.9	1.0	5.0
trans-1,3-Dichloropropene	ND<5.9	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.9	1.0	5.0
Ethylbenzene	ND<5.9	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.9	1.0	5.0
Hexachlorobutadiene	ND<5.9	1.0	5.0	2-Hexanone	ND<5.9	1.0	5.0
Iodomethane (Methyl iodide)	ND<5.9	1.0	5.0	Isopropylbenzene	ND<5.9	1.0	5.0
4-Isopropyl toluene	ND<5.9	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.9	1.0	5.0
Methylene chloride	ND<5.9	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.9	1.0	5.0
Naphthalene	ND<5.9	1.0	5.0	n-Propyl benzene	ND<5.9	1.0	5.0
Styrene	ND<5.9	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.9	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.9	1.0	5.0	Tetrachloroethene	ND<5.9	1.0	5.0
Toluene	ND<5.9	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.9	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.9	1.0	5.0	1,1,1-Trichloroethane	ND<5.9	1.0	5.0
1,1,2-Trichloroethane	ND<5.9	1.0	5.0	Trichloroethene	ND<5.9	1.0	5.0
Trichlorofluoromethane	ND<5.9	1.0	5.0	1,2,3-Trichloropropane	ND<5.9	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.9	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.9	1.0	5.0
Vinyl Acetate	ND<5.9	1.0	5.0	Vinyl Chloride	ND<5.9	1.0	5.0
Xylenes	ND<5.9	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	98.4	%SS2:	104
%SS3:	107		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



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

Ground Zero Analysis, Inc.

Client Project ID: #365; Pure Etch

Date Sampled: 12/16/03

1714 Main Street

Date Received: 12/17/03

Escalon, CA 95320

Client Contact: John Lane

Date Extracted: 12/17/03

Client P.O.:

Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

Lab ID	0312320-006A						
Client ID	MW9-50(6)						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.2	1.0	50	tert-Amyl methyl ether (TAME)	ND<5.2	1.0	5.0
Benzene	ND<5.2	1.0	5.0	Bromobenzene	ND<5.2	1.0	5.0
Bromochloromethane	ND<5.2	1.0	5.0	Bromodichloromethane	ND<5.2	1.0	5.0
Bromoform	ND<5.2	1.0	5.0	Bromomethane	ND<5.2	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND<26	1.0	25
n-Butyl benzene	ND<5.2	1.0	5.0	sec-Butyl benzene	ND<5.2	1.0	5.0
tert-Butyl benzene	ND<5.2	1.0	5.0	Carbon Disulfide	ND<5.2	1.0	5.0
Carbon Tetrachloride	ND<5.2	1.0	5.0	Chlorobenzene	ND<5.2	1.0	5.0
Chloroethane	ND<5.2	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND<5.2	1.0	5.0	Chloromethane	ND<5.2	1.0	5.0
2-Chlorotoluene	ND<5.2	1.0	5.0	4-Chlorotoluene	ND<5.2	1.0	5.0
Dibromochloromethane	ND<5.2	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.2	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.2	1.0	5.0	Dibromomethane	ND<5.2	1.0	5.0
1,2-Dichlorobenzene	ND<5.2	1.0	5.0	1,3-Dichlorobenzene	ND<5.2	1.0	5.0
1,4-Dichlorobenzene	ND<5.2	1.0	5.0	Dichlorodifluoromethane	ND<5.2	1.0	5.0
1,1-Dichloroethane	ND<5.2	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.2	1.0	5.0
1,1-Dichloroethene	ND<5.2	1.0	5.0	cis-1,2-Dichloroethene	ND<5.2	1.0	5.0
trans-1,2-Dichloroethene	ND<5.2	1.0	5.0	1,2-Dichloropropane	ND<5.2	1.0	5.0
1,3-Dichloropropane	ND<5.2	1.0	5.0	2,2-Dichloropropane	ND<5.2	1.0	5.0
1,1-Dichloropropene	ND<5.2	1.0	5.0	cis-1,3-Dichloropropene	ND<5.2	1.0	5.0
trans-1,3-Dichloropropene	ND<5.2	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.2	1.0	5.0
Ethylbenzene	ND<5.2	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.2	1.0	5.0
Hexachlorobutadiene	ND<5.2	1.0	5.0	2-Hexanone	ND<5.2	1.0	5.0
Iodomethane (Methyl iodide)	ND<5.2	1.0	50	Isopropylbenzene	ND<5.2	1.0	5.0
4-Isopropyl toluene	ND<5.2	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.2	1.0	5.0
Methylene chloride	ND<5.2	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.2	1.0	5.0
Naphthalene	ND<5.2	1.0	5.0	n-Propyl benzene	ND<5.2	1.0	5.0
Styrene	ND<5.2	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.2	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.2	1.0	5.0	Tetrachloroethene	ND<5.2	1.0	5.0
Toluene	ND<5.2	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.2	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.2	1.0	5.0	1,1,1-Trichloroethane	ND<5.2	1.0	5.0
1,1,2-Trichloroethane	ND<5.2	1.0	5.0	Trichloroethene	ND<5.2	1.0	5.0
Trichlorofluoromethane	ND<5.2	1.0	5.0	1,2,3-Trichloropropane	ND<5.2	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.2	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.2	1.0	5.0
Vinyl Acetate	ND<5.2	1.0	50	Vinyl Chloride	ND<5.2	1.0	5.0
Xylenes	ND<5.2	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	98.8	%SS2:	103
%SS3:	107		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



McC Campbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-3560
 Telephone : 925-798-1620 Fax : 925-798-1622
 http://www.mcccampbell.com E-mail: main@mcccampbell.com

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/16/03
		Date Received: 12/17/03
	Client Contact: John Lane	Date Extracted: 12/17/03
	Client P.O.:	Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

Lab ID	0312320-007A
Client ID	MW9-55(7)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.1	1.0	5.0	tert-Amyl methyl ether (TAME)	ND<5.1	1.0	5.0
Benzene	ND<5.1	1.0	5.0	Bromobenzene	ND<5.1	1.0	5.0
Bromochloromethane	ND<5.1	1.0	5.0	Bromodichloromethane	ND<5.1	1.0	5.0
Bromoform	ND<5.1	1.0	5.0	Bromomethane	ND<5.1	1.0	5.0
2-Butanone (MEK)	ND	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND<5.1	1.0	5.0	sec-Butyl benzene	ND<5.1	1.0	5.0
tert-Butyl benzene	ND<5.1	1.0	5.0	Carbon Disulfide	ND<5.1	1.0	5.0
Carbon Tetrachloride	ND<5.1	1.0	5.0	Chlorobenzene	ND<5.1	1.0	5.0
Chloroethane	ND<5.1	1.0	5.0	2-Chloroethyl Vinyl Ether	ND	1.0	10
Chloroform	ND<5.1	1.0	5.0	Chloromethane	ND<5.1	1.0	5.0
2-Chlorotoluene	ND<5.1	1.0	5.0	4-Chlorotoluene	ND<5.1	1.0	5.0
Dibromochloromethane	ND<5.1	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.1	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.1	1.0	5.0	Dibromomethane	ND<5.1	1.0	5.0
1,2-Dichlorobenzene	ND<5.1	1.0	5.0	1,3-Dichlorobenzene	ND<5.1	1.0	5.0
1,4-Dichlorobenzene	ND<5.1	1.0	5.0	Dichlorodifluoromethane	ND<5.1	1.0	5.0
1,1-Dichloroethane	ND<5.1	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.1	1.0	5.0
1,1-Dichloroethene	ND<5.1	1.0	5.0	cis-1,2-Dichloroethene	ND<5.1	1.0	5.0
trans-1,2-Dichloroethene	ND<5.1	1.0	5.0	1,2-Dichloropropane	ND<5.1	1.0	5.0
1,3-Dichloropropane	ND<5.1	1.0	5.0	2,2-Dichloropropane	ND<5.1	1.0	5.0
1,1-Dichloropropene	ND<5.1	1.0	5.0	cis-1,3-Dichloropropene	ND<5.1	1.0	5.0
trans-1,3-Dichloropropene	ND<5.1	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.1	1.0	5.0
Ethylbenzene	ND<5.1	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.1	1.0	5.0
Hexachlorobutadiene	ND<5.1	1.0	5.0	2-Hexanone	ND<5.1	1.0	5.0
Iodomethane (Methyl iodide)	ND<5.1	1.0	5.0	Isopropylbenzene	ND<5.1	1.0	5.0
4-Isopropyl toluene	ND<5.1	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.1	1.0	5.0
Methylene chloride	ND<5.1	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.1	1.0	5.0
Naphthalene	ND<5.1	1.0	5.0	n-Propyl benzene	ND<5.1	1.0	5.0
Styrene	ND<5.1	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.1	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.1	1.0	5.0	Tetrachloroethene	ND<5.1	1.0	5.0
Toluene	ND<5.1	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.1	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.1	1.0	5.0	1,1,1-Trichloroethane	ND<5.1	1.0	5.0
1,1,2-Trichloroethane	ND<5.1	1.0	5.0	Trichloroethene	ND<5.1	1.0	5.0
Trichlorofluoromethane	ND<5.1	1.0	5.0	1,2,3-Trichloropropane	ND<5.1	1.0	5.0
1,2,4-Trimethylbenzene	ND<5.1	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.1	1.0	5.0
Vinyl Acetate	ND<5.1	1.0	5.0	Vinyl Chloride	ND<5.1	1.0	5.0
Xylenes	ND<5.1	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	99.2	%SS2:	103
%SS3:	106		

Comments: k

* water and vapor samples and all TCLP & SPL 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



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

Ground Zero Analysis, Inc.

Client Project ID: #365; Pure Etch

Date Sampled: 12/16/03

1714 Main Street

Date Received: 12/17/03

Escalon, CA 95320

Client Contact: John Lane

Date Extracted: 12/17/03

Client P.O.:

Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

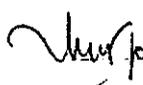
Lab ID	0312320-008A
Client ID	MW9-60(8)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<4.9	1.0	5.0	tert-Amyl methyl ether (TAME)	ND<4.9	1.0	5.0
Benzene	ND<4.9	1.0	5.0	Bromobenzene	ND<4.9	1.0	5.0
Bromochloromethane	ND<4.9	1.0	5.0	Bromodichloromethane	ND<4.9	1.0	5.0
Bromoform	ND<4.9	1.0	5.0	Bromomethane	ND<4.9	1.0	5.0
2-Butanone (MEK)	ND<9.9	1.0	10	t-Butyl alcohol (TBA)	ND	1.0	25
n-Butyl benzene	ND<4.9	1.0	5.0	sec-Butyl benzene	ND<4.9	1.0	5.0
tert-Butyl benzene	ND<4.9	1.0	5.0	Carbon Disulfide	ND<4.9	1.0	5.0
Carbon Tetrachloride	ND<4.9	1.0	5.0	Chlorobenzene	ND<4.9	1.0	5.0
Chloroethane	ND<4.9	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<9.9	1.0	10
Chloroform	ND<4.9	1.0	5.0	Chloromethane	ND<4.9	1.0	5.0
2-Chlorotoluene	ND<4.9	1.0	5.0	4-Chlorotoluene	ND<4.9	1.0	5.0
Dibromochloromethane	ND<4.9	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<4.9	1.0	5.0
1,2-Dibromoethane (EDB)	ND<4.9	1.0	5.0	Dibromomethane	ND<4.9	1.0	5.0
1,2-Dichlorobenzene	ND<4.9	1.0	5.0	1,3-Dichlorobenzene	ND<4.9	1.0	5.0
1,4-Dichlorobenzene	ND<4.9	1.0	5.0	Dichlorodifluoromethane	ND<4.9	1.0	5.0
1,1-Dichloroethane	ND<4.9	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4.9	1.0	5.0
1,1-Dichloroethene	ND<4.9	1.0	5.0	cis-1,2-Dichloroethene	ND<4.9	1.0	5.0
trans-1,2-Dichloroethene	ND<4.9	1.0	5.0	1,2-Dichloropropane	ND<4.9	1.0	5.0
1,3-Dichloropropane	ND<4.9	1.0	5.0	2,2-Dichloropropane	ND<4.9	1.0	5.0
1,1-Dichloropropene	ND<4.9	1.0	5.0	cis-1,3-Dichloropropene	ND<4.9	1.0	5.0
trans-1,3-Dichloropropene	ND<4.9	1.0	5.0	Diisopropyl ether (DIPE)	ND<4.9	1.0	5.0
Ethylbenzene	ND<4.9	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<4.9	1.0	5.0
Hexachlorobutadiene	ND<4.9	1.0	5.0	2-Hexanone	ND<4.9	1.0	5.0
Iodomethane (Methyl iodide)	ND<4.9	1.0	5.0	Isopropylbenzene	ND<4.9	1.0	5.0
4-Isopropyl toluene	ND<4.9	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<4.9	1.0	5.0
Methylene chloride	ND<4.9	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<4.9	1.0	5.0
Naphthalene	ND<4.9	1.0	5.0	n-Propyl benzene	ND<4.9	1.0	5.0
Styrene	ND<4.9	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<4.9	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<4.9	1.0	5.0	Tetrachloroethene	ND<4.9	1.0	5.0
Toluene	ND<4.9	1.0	5.0	1,2,3-Trichlorobenzene	ND<4.9	1.0	5.0
1,2,4-Trichlorobenzene	ND<4.9	1.0	5.0	1,1,1-Trichloroethane	ND<4.9	1.0	5.0
1,1,2-Trichloroethane	ND<4.9	1.0	5.0	Trichloroethene	ND<4.9	1.0	5.0
Trichlorofluoromethane	ND<4.9	1.0	5.0	1,2,3-Trichloropropane	ND<4.9	1.0	5.0
1,2,4-Trimethylbenzene	ND<4.9	1.0	5.0	1,3,5-Trimethylbenzene	ND<4.9	1.0	5.0
Vinyl Acetate	ND<4.9	1.0	5.0	Vinyl Chloride	ND<4.9	1.0	5.0
Xvlenes	ND<4.9	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	97.9	%SS2:	103
%SS3:	106		

Comments: k
 * 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 shcen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

 Angela Rydelius, Lab Manager



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

Ground Zero Analysis, Inc.

Client Project ID: #365; Pure Etch

Date Sampled: 12/16/03

1714 Main Street

Date Received: 12/17/03

Escalon, CA 95320

Client Contact: John Lane

Date Extracted: 12/17/03

Client P.O.:

Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312320

Lab ID	0312320-009A
Client ID	MW9-65(9)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<4.6	1.0	5.0	tert-Amyl methyl ether (TAME)	ND<4.6	1.0	5.0
Benzene	ND<4.6	1.0	5.0	Bromobenzene	ND<4.6	1.0	5.0
Bromochloromethane	ND<4.6	1.0	5.0	Bromodichloromethane	ND<4.6	1.0	5.0
Bromoform	ND<4.6	1.0	5.0	Bromomethane	ND<4.6	1.0	5.0
2-Butanone (MEK)	ND<9.2	1.0	10	t-Butyl alcohol (TBA)	ND<23	1.0	25
n-Butyl benzene	ND<4.6	1.0	5.0	sec-Butyl benzene	ND<4.6	1.0	5.0
tert-Butyl benzene	ND<4.6	1.0	5.0	Carbon Disulfide	ND<4.6	1.0	5.0
Carbon Tetrachloride	ND<4.6	1.0	5.0	Chlorobenzene	ND<4.6	1.0	5.0
Chloroethane	ND<4.6	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<9.2	1.0	10
Chloroform	ND<4.6	1.0	5.0	Chloromethane	ND<4.6	1.0	5.0
2-Chlorotoluene	ND<4.6	1.0	5.0	4-Chlorotoluene	ND<4.6	1.0	5.0
Dibromochloromethane	ND<4.6	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<4.6	1.0	5.0
1,2-Dibromoethane (EDB)	ND<4.6	1.0	5.0	Dibromomethane	ND<4.6	1.0	5.0
1,2-Dichlorobenzene	ND<4.6	1.0	5.0	1,3-Dichlorobenzene	ND<4.6	1.0	5.0
1,4-Dichlorobenzene	ND<4.6	1.0	5.0	Dichlorodifluoromethane	ND<4.6	1.0	5.0
1,1-Dichloroethane	ND<4.6	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4.6	1.0	5.0
1,1-Dichloroethene	ND<4.6	1.0	5.0	cis-1,2-Dichloroethene	ND<4.6	1.0	5.0
trans-1,2-Dichloroethene	ND<4.6	1.0	5.0	1,2-Dichloropropane	ND<4.6	1.0	5.0
1,3-Dichloropropane	ND<4.6	1.0	5.0	2,2-Dichloropropane	ND<4.6	1.0	5.0
1,1-Dichloropropene	ND<4.6	1.0	5.0	cis-1,3-Dichloropropene	ND<4.6	1.0	5.0
trans-1,3-Dichloropropene	ND<4.6	1.0	5.0	Diisopropyl ether (DIPE)	ND<4.6	1.0	5.0
Ethylbenzene	ND<4.6	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<4.6	1.0	5.0
Hexachlorobutadiene	ND<4.6	1.0	5.0	2-Hexanone	ND<4.6	1.0	5.0
Iodomethane (Methyl iodide)	ND<4.6	1.0	5.0	Isopropylbenzene	ND<4.6	1.0	5.0
4-Isopropyl toluene	ND<4.6	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<4.6	1.0	5.0
Methylene chloride	ND<4.6	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<4.6	1.0	5.0
Naphthalene	ND<4.6	1.0	5.0	n-Propyl benzene	ND<4.6	1.0	5.0
Styrene	ND<4.6	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<4.6	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<4.6	1.0	5.0	Tetrachloroethene	ND<4.6	1.0	5.0
Toluene	ND<4.6	1.0	5.0	1,2,3-Trichlorobenzene	ND<4.6	1.0	5.0
1,2,4-Trichlorobenzene	ND<4.6	1.0	5.0	1,1,1-Trichloroethane	ND<4.6	1.0	5.0
1,1,2-Trichloroethane	ND<4.6	1.0	5.0	Trichloroethene	ND<4.6	1.0	5.0
Trichlorofluoromethane	ND<4.6	1.0	5.0	1,2,3-Trichloropropane	ND<4.6	1.0	5.0
1,2,4-Trimethylbenzene	ND<4.6	1.0	5.0	1,3,5-Trimethylbenzene	ND<4.6	1.0	5.0
Vinyl Acetate	ND<4.6	1.0	5.0	Vinyl Chloride	ND<4.6	1.0	5.0
Xvlenes	ND<4.6	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	96.0	%SS2:	102
%SS3:	106		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



McC Campbell Analytical Inc.

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

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/16/03
		Date Received: 12/17/03
	Client Contact: John Lane	Date Extracted: 12/17/03
	Client P.O.:	Date Analyzed: 12/18/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035 Analytical Method: SW8260B Work Order: 0312320

Lab ID	0312320-010A
Client ID	MW9-72(10)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	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	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	50	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	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
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	97.4	%SS2:	102
%SS3:	106		

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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



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

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0312320

EPA Method: SW8021B/8015Cm		Extraction: SW5035		BatchID: 9733		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
TPH(bttx) [£]	N/A	0.60	N/A	N/A	N/A	108	113	4.83	70	130
MTBE	N/A	0.10	N/A	N/A	N/A	95.5	97.1	1.62	70	130
Benzene	N/A	0.10	N/A	N/A	N/A	108	108	0	70	130
Toluene	N/A	0.10	N/A	N/A	N/A	91.2	93.1	1.99	70	130
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	107	107	0	70	130
Xylenes	N/A	0.30	N/A	N/A	N/A	99.7	100	0.334	70	130
%SS:	N/A	100	N/A	N/A	N/A	103	103	0	70	130
%SS:	N/A	100	N/A	N/A	N/A	121	122	1.48	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.

£ TPH(bttx) = 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.

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.



McC Campbell Analytical Inc.

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 Telephone : 925-798-1620 Fax : 925-798-1622
 http://www.mcccampbell.com E-mail: main@mcccampbell.com

QC SUMMARY REPORT FOR SW8260B

Matrix: S

WorkOrder: 0312320

EPA Method: SW8260B		Extraction: SW5035			BatchID: 9734			Spiked Sample ID: N/A		
	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)	N/A	50	N/A	N/A	N/A	81.4	81.6	0.361	70	130
Benzene	N/A	50	N/A	N/A	N/A	110	106	4.09	70	130
t-Butyl alcohol (TBA)	N/A	250	N/A	N/A	N/A	83.1	89	6.91	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	106	96.2	9.70	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	94.1	90.3	4.15	70	130
Diisopropyl ether (DIPE)	N/A	50	N/A	N/A	N/A	112	108	2.93	70	130
Ethyl tert-butyl ether (ETBE)	N/A	50	N/A	N/A	N/A	97.8	96.6	1.25	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	99.6	101	1.16	70	130
Toluene	N/A	50	N/A	N/A	N/A	125	111	11.8	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	95.5	92	3.72	70	130
%SS1:	N/A	100	N/A	N/A	N/A	98.4	102	3.56	70	130
%SS2:	N/A	100	N/A	N/A	N/A	101	97.8	2.84	70	130
%SS3:	N/A	100	N/A	N/A	N/A	103	94	8.62	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.

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



McC Campbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
<http://www.mcccampbell.com> E-mail: main@mcccampbell.com

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
		Date Received: 12/23/03
	Client Contact: John Lane	Date Reported: 01/02/04
	Client P.O.:	Date Completed: 01/02/04

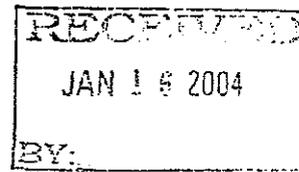
WorkOrder: 0312471

January 02, 2004

Dear John:

Enclosed are:

- 1). the results of 13 analyzed samples from your #365; Pure Etch 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. McC Campbell 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,

Angela Rydelius, Lab Manager



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

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03-12/19/03
		Date Received: 12/23/03
	Client Contact: John Lane	Date Extracted: 12/23/03
	Client P.O.:	Date Analyzed: 12/24/03-12/28/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE [Encore Sampling]*

Extraction method: SW5035

Analytical methods: SW8021B/8015Cm

Work Order: 0312471

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	VW1-5(35)	S	ND<0.48,n	---	ND<0.0024	0.0041	ND<0.0024	0.0031	1	109
002A	VW1-10(36)	S	ND<0.50,n	---	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	1	106
003A	VW1-15(37)	S	2100,g,b,n	---	ND<0.49	1.1	1.3	210	200	95.9
004A	VW1-20(38)	S	500,g,b,n	---	ND<0.11	0.23	ND<0.11	55	40	106
005A	VW1-25(39)	S	1500,g,b,n	---	ND<0.29	0.95	ND<0.29	140	100	113
006A	VW1-30(41)	S	1100,g,b,n	---	ND<0.26	0.71	ND<0.26	110	100	99.7
007A	VW1-36(42)	S	1400,g,b,n	---	ND<0.52	5.5	3.4	210	200	112
008A	Blind Dup(40)	S	1600,g,b,n	---	ND<0.28	0.93	ND<0.28	160	100	111
011A	MW11-60(45)	S	ND<0.52,n	---	ND<0.0026	ND<0.0026	ND<0.0026	ND<0.0026	1	92.5
012A	MW11-65(46)	S	ND<0.49,n	---	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	1	95.5
013A	MW11-70(47)	S	ND<0.50,n	---	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	1	91.3
014A	MW11-75(48)	S	ND<0.43,n	---	ND<0.0021	ND<0.0021	ND<0.0021	ND<0.0021	1	97.9
015A	MW11-80(49)	S	ND<0.48,n	---	ND<0.0024	ND<0.0024	ND<0.0024	ND<0.0024	1	96.8

Reporting Limit for DF=1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	NA	1	ug/L
	S	1.0	0.05	0.005	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 McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (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; n) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

DHS Certification No. 1644

Angela Rydelius Angela Rydelius, Lab Manager



McC Campbell Analytical Inc.

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

Ground Zero Analysis, Inc.

1714 Main Street

Escalon, CA 95320

Client Project ID: #365; Pure Etch

Client Contact: John Lane

Client P.O.:

Date Sampled: 12/18/03

Date Received: 12/23/03

Date Extracted: 12/23/03

Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID

0312471-001A

Client ID

VW1-5(35)

Matrix

Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<5.5	1.0	5.0	tert-Amyl methyl ether (TAME)	ND<5.5	1.0	5.0
Benzene	ND<5.5	1.0	5.0	Bromobenzene	ND<5.5	1.0	5.0
Bromochloromethane	ND<5.5	1.0	5.0	Bromodichloromethane	ND<5.5	1.0	5.0
Bromoform	ND<5.5	1.0	5.0	Bromomethane	ND<5.5	1.0	5.0
2-Butanone (MEK)	ND<11	1.0	10	t-Butyl alcohol (TBA)	ND<27	1.0	25
n-Butyl benzene	ND<5.5	1.0	5.0	sec-Butyl benzene	ND<5.5	1.0	5.0
tert-Butyl benzene	ND<5.5	1.0	5.0	Carbon Disulfide	ND<5.5	1.0	5.0
Carbon Tetrachloride	ND<5.5	1.0	5.0	Chlorobenzene	ND<5.5	1.0	5.0
Chloroethane	ND<5.5	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<11	1.0	10
Chloroform	ND<5.5	1.0	5.0	Chloromethane	ND<5.5	1.0	5.0
2-Chlorotoluene	ND<5.5	1.0	5.0	4-Chlorotoluene	ND<5.5	1.0	5.0
Dibromochloromethane	ND<5.5	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<5.5	1.0	5.0
1,2-Dibromoethane (EDB)	ND<5.5	1.0	5.0	Dibromomethane	ND<5.5	1.0	5.0
1,2-Dichlorobenzene	ND<5.5	1.0	5.0	1,3-Dichlorobenzene	ND<5.5	1.0	5.0
1,4-Dichlorobenzene	ND<5.5	1.0	5.0	Dichlorodifluoromethane	ND<5.5	1.0	5.0
1,1-Dichloroethane	ND<5.5	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5.5	1.0	5.0
1,1-Dichloroethene	ND<5.5	1.0	5.0	cis-1,2-Dichloroethene	ND<5.5	1.0	5.0
trans-1,2-Dichloroethene	ND<5.5	1.0	5.0	1,2-Dichloropropane	ND<5.5	1.0	5.0
1,3-Dichloropropane	ND<5.5	1.0	5.0	2,2-Dichloropropane	ND<5.5	1.0	5.0
1,1-Dichloropropene	ND<5.5	1.0	5.0	cis-1,3-Dichloropropene	ND<5.5	1.0	5.0
trans-1,3-Dichloropropene	ND<5.5	1.0	5.0	Diisopropyl ether (DIPE)	ND<5.5	1.0	5.0
Ethylbenzene	ND<5.5	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<5.5	1.0	5.0
Hexachlorobutadiene	ND<5.5	1.0	5.0	2-Hexanone	ND<5.5	1.0	5.0
Iodomethane (Methyl iodide)	ND<5.5	1.0	5.0	Isopropylbenzene	ND<5.5	1.0	5.0
4-Isopropyl toluene	ND<5.5	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<5.5	1.0	5.0
Methylene chloride	ND<5.5	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<5.5	1.0	5.0
Naphthalene	ND<5.5	1.0	5.0	n-Propyl benzene	ND<5.5	1.0	5.0
Styrene	ND<5.5	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<5.5	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<5.5	1.0	5.0	Tetrachloroethene	ND<5.5	1.0	5.0
Toluene	6.1	1.0	5.0	1,2,3-Trichlorobenzene	ND<5.5	1.0	5.0
1,2,4-Trichlorobenzene	ND<5.5	1.0	5.0	1,1,1-Trichloroethane	ND<5.5	1.0	5.0
1,1,2-Trichloroethane	ND<5.5	1.0	5.0	Trichloroethene	ND<5.5	1.0	5.0
Trichlorofluoromethane	ND<5.5	1.0	5.0	1,2,3-Trichloropropane	ND<5.5	1.0	5.0
1,2,4-Trimethylbenzene	7.2	1.0	5.0	1,3,5-Trimethylbenzene	ND<5.5	1.0	5.0
Vinyl Acetate	ND<5.5	1.0	5.0	Vinyl Chloride	ND<5.5	1.0	5.0
Xvlens	6.2	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	93.0	%SS2:	103
%SS3:	110		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



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 Telephone : 925-798-1620 Fax : 925-798-1622
 http://www.mcccampbell.com E-mail: main@mcccampbell.com

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
		Date Received: 12/23/03
	Client Contact: John Lane	Date Extracted: 12/23/03
	Client P.O.:	Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-002A
Client ID	VW1-10(36)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<47	1.0	50	tert-Amyl methyl ether (TAME)	ND<4.7	1.0	5.0
Benzene	ND<4.7	1.0	5.0	Bromobenzene	ND<4.7	1.0	5.0
Bromochloromethane	ND<4.7	1.0	5.0	Bromodichloromethane	ND<4.7	1.0	5.0
Bromoform	ND<4.7	1.0	5.0	Bromomethane	ND<4.7	1.0	5.0
2-Butanone (MEK)	ND<9.4	1.0	10	t-Butyl alcohol (TBA)	ND<24	1.0	25
n-Butyl benzene	ND<4.7	1.0	5.0	sec-Butyl benzene	ND<4.7	1.0	5.0
tert-Butyl benzene	ND<4.7	1.0	5.0	Carbon Disulfide	ND<4.7	1.0	5.0
Carbon Tetrachloride	ND<4.7	1.0	5.0	Chlorobenzene	ND<4.7	1.0	5.0
Chloroethane	ND<4.7	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<9.4	1.0	10
Chloroform	ND<4.7	1.0	5.0	Chloromethane	ND<4.7	1.0	5.0
2-Chlorotoluene	ND<4.7	1.0	5.0	4-Chlorotoluene	ND<4.7	1.0	5.0
Dibromochloromethane	ND<4.7	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<4.7	1.0	5.0
1,2-Dibromoethane (EDB)	ND<4.7	1.0	5.0	Dibromomethane	ND<4.7	1.0	5.0
1,2-Dichlorobenzene	ND<4.7	1.0	5.0	1,3-Dichlorobenzene	ND<4.7	1.0	5.0
1,4-Dichlorobenzene	ND<4.7	1.0	5.0	Dichlorodifluoromethane	ND<4.7	1.0	5.0
1,1-Dichloroethane	ND<4.7	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4.7	1.0	5.0
1,1-Dichloroethene	ND<4.7	1.0	5.0	cis-1,2-Dichloroethene	ND<4.7	1.0	5.0
trans-1,2-Dichloroethene	ND<4.7	1.0	5.0	1,2-Dichloropropane	ND<4.7	1.0	5.0
1,3-Dichloropropane	ND<4.7	1.0	5.0	2,2-Dichloropropane	ND<4.7	1.0	5.0
1,1-Dichloropropene	ND<4.7	1.0	5.0	cis-1,3-Dichloropropene	ND<4.7	1.0	5.0
trans-1,3-Dichloropropene	ND<4.7	1.0	5.0	Diisopropyl ether (DIPE)	ND<4.7	1.0	5.0
Ethylbenzene	ND<4.7	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<4.7	1.0	5.0
Hexachlorobutadiene	ND<4.7	1.0	5.0	2-Hexanone	ND<4.7	1.0	5.0
Iodomethane (Methyl iodide)	ND<47	1.0	50	Isopropylbenzene	ND<4.7	1.0	5.0
4-Isopropyl toluene	ND<4.7	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<4.7	1.0	5.0
Methylene chloride	ND<4.7	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<4.7	1.0	5.0
Naphthalene	ND<4.7	1.0	5.0	n-Propyl benzene	ND<4.7	1.0	5.0
Styrene	ND<4.7	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<4.7	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<4.7	1.0	5.0	Tetrachloroethene	ND<4.7	1.0	5.0
Toluene	ND<4.7	1.0	5.0	1,2,3-Trichlorobenzene	ND<4.7	1.0	5.0
1,2,4-Trichlorobenzene	ND<4.7	1.0	5.0	1,1,1-Trichloroethane	ND<4.7	1.0	5.0
1,1,2-Trichloroethane	ND<4.7	1.0	5.0	Trichloroethene	ND<4.7	1.0	5.0
Trichlorofluoromethane	ND<4.7	1.0	5.0	1,2,3-Trichloropropane	ND<4.7	1.0	5.0
1,2,4-Trimethylbenzene	5.2	1.0	5.0	1,3,5-Trimethylbenzene	ND<4.7	1.0	5.0
Vinyl Acetate	ND<47	1.0	50	Vinyl Chloride	ND<4.7	1.0	5.0
Xylenes	ND<4.7	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	92.3	%SS2:	104
%SS3:	108		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



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		Date Received: 12/23/03
	Client Contact: John Lane	Date Extracted: 12/23/03
	Client P.O.:	Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-003A
Client ID	VW1-15(37)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<47,000	1000	50	tert-Amyl methyl ether (TAME)	ND<4700	1000	5.0
Benzene	ND<4700	1000	5.0	Bromobenzene	ND<4700	1000	5.0
Bromochloromethane	ND<4700	1000	5.0	Bromodichloromethane	ND<4700	1000	5.0
Bromoform	ND<4700	1000	5.0	Bromomethane	ND<4700	1000	5.0
2-Butanone (MEK)	ND<9400	1000	10	t-Butyl alcohol (TBA)	ND<23,000	1000	25
n-Butyl benzene	ND<4700	1000	5.0	sec-Butyl benzene	ND<4700	1000	5.0
tert-Butyl benzene	ND<4700	1000	5.0	Carbon Disulfide	ND<4700	1000	5.0
Carbon Tetrachloride	ND<4700	1000	5.0	Chlorobenzene	ND<4700	1000	5.0
Chloroethane	ND<4700	1000	5.0	2-Chloroethyl Vinyl Ether	ND<9400	1000	10
Chloroform	ND<4700	1000	5.0	Chloromethane	ND<4700	1000	5.0
2-Chlorotoluene	ND<4700	1000	5.0	4-Chlorotoluene	ND<4700	1000	5.0
Dibromochloromethane	ND<4700	1000	5.0	1,2-Dibromo-3-chloropropane	ND<4700	1000	5.0
1,2-Dibromoethane (EDB)	ND<4700	1000	5.0	Dibromomethane	ND<4700	1000	5.0
1,2-Dichlorobenzene	ND<4700	1000	5.0	1,3-Dichlorobenzene	ND<4700	1000	5.0
1,4-Dichlorobenzene	ND<4700	1000	5.0	Dichlorodifluoromethane	ND<4700	1000	5.0
1,1-Dichloroethane	ND<4700	1000	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4700	1000	5.0
1,1-Dichloroethene	ND<4700	1000	5.0	cis-1,2-Dichloroethene	ND<4700	1000	5.0
trans-1,2-Dichloroethene	ND<4700	1000	5.0	1,2-Dichloropropane	ND<4700	1000	5.0
1,3-Dichloropropane	ND<4700	1000	5.0	2,2-Dichloropropane	ND<4700	1000	5.0
1,1-Dichloropropene	ND<4700	1000	5.0	cis-1,3-Dichloropropene	ND<4700	1000	5.0
trans-1,3-Dichloropropene	ND<4700	1000	5.0	Diisopropyl ether (DIPE)	ND<4700	1000	5.0
Ethylbenzene	ND<4700	1000	5.0	Ethyl tert-butyl ether (ETBE)	ND<4700	1000	5.0
Hexachlorobutadiene	ND<4700	1000	5.0	2-Hexanone	ND<4700	1000	5.0
Iodomethane (Methyl iodide)	ND<47,000	1000	50	Isopropylbenzene	ND<4700	1000	5.0
4-Isopropyl toluene	ND<4700	1000	5.0	Methyl-t-butyl ether (MTBE)	ND<4700	1000	5.0
Methylene chloride	ND<4700	1000	5.0	4-Methyl-2-pentanone (MIBK)	ND<4700	1000	5.0
Naphthalene	23,000	1000	5.0	n-Propyl benzene	ND<4700	1000	5.0
Styrene	ND<4700	1000	5.0	1,1,1,2-Tetrachloroethane	ND<4700	1000	5.0
1,1,2,2-Tetrachloroethane	ND<4700	1000	5.0	Tetrachloroethene	ND<4700	1000	5.0
Toluene	ND<4700	1000	5.0	1,2,3-Trichlorobenzene	ND<4700	1000	5.0
1,2,4-Trichlorobenzene	ND<4700	1000	5.0	1,1,1-Trichloroethane	ND<4700	1000	5.0
1,1,2-Trichloroethane	ND<4700	1000	5.0	Trichloroethene	ND<4700	1000	5.0
Trichlorofluoromethane	ND<4700	1000	5.0	1,2,3-Trichloropropane	ND<4700	1000	5.0
1,2,4-Trimethylbenzene	180,000	1000	5.0	1,3,5-Trimethylbenzene	53,000	1000	5.0
Vinyl Acetate	ND<47,000	1000	50	Vinyl Chloride	ND<4700	1000	5.0
Xylenes	120,000	1000	5.0				

Surrogate Recoveries (%)

%SS1:	93.2	%SS2:	101
%SS3:	108		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

Angela Rydelius
 Angela Rydelius, Lab Manager



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		Date Received: 12/23/03
	Client Contact: John Lane	Date Extracted: 12/23/03
	Client P.O.:	Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-004A
Client ID	VW1-20(38)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<62,000	1000	50	tert-Amyl methyl ether (TAME)	ND<6200	1000	5.0
Benzene	ND<6200	1000	5.0	Bromobenzene	ND<6200	1000	5.0
Bromochloromethane	ND<6200	1000	5.0	Bromodichloromethane	ND<6200	1000	5.0
Bromoform	ND<6200	1000	5.0	Bromomethane	ND<6200	1000	5.0
2-Butanone (MEK)	ND<12,000	1000	10	t-Butyl alcohol (TBA)	ND<31,000	1000	25
n-Butyl benzene	ND<6200	1000	5.0	sec-Butyl benzene	ND<6200	1000	5.0
tert-Butyl benzene	ND<6200	1000	5.0	Carbon Disulfide	ND<6200	1000	5.0
Carbon Tetrachloride	ND<6200	1000	5.0	Chlorobenzene	ND<6200	1000	5.0
Chloroethane	ND<6200	1000	5.0	2-Chloroethyl Vinyl Ether	ND<12,000	1000	10
Chloroform	ND<6200	1000	5.0	Chloromethane	ND<6200	1000	5.0
2-Chlorotoluene	ND<6200	1000	5.0	4-Chlorotoluene	ND<6200	1000	5.0
Dibromochloromethane	ND<6200	1000	5.0	1,2-Dibromo-3-chloropropane	ND<6200	1000	5.0
1,2-Dibromoethane (EDB)	ND<6200	1000	5.0	Dibromomethane	ND<6200	1000	5.0
1,2-Dichlorobenzene	ND<6200	1000	5.0	1,3-Dichlorobenzene	ND<6200	1000	5.0
1,4-Dichlorobenzene	ND<6200	1000	5.0	Dichlorodifluoromethane	ND<6200	1000	5.0
1,1-Dichloroethane	ND<6200	1000	5.0	1,2-Dichloroethane (1,2-DCA)	ND<6200	1000	5.0
1,1-Dichloroethene	ND<6200	1000	5.0	cis-1,2-Dichloroethene	ND<6200	1000	5.0
trans-1,2-Dichloroethene	ND<6200	1000	5.0	1,2-Dichloropropane	ND<6200	1000	5.0
1,3-Dichloropropane	ND<6200	1000	5.0	2,2-Dichloropropane	ND<6200	1000	5.0
1,1-Dichloropropene	ND<6200	1000	5.0	cis-1,3-Dichloropropene	ND<6200	1000	5.0
trans-1,3-Dichloropropene	ND<6200	1000	5.0	Diisopropyl ether (DIPE)	ND<6200	1000	5.0
Ethylbenzene	ND<6200	1000	5.0	Ethyl tert-butyl ether (ETBE)	ND<6200	1000	5.0
Hexachlorobutadiene	ND<6200	1000	5.0	2-Hexanone	ND<6200	1000	5.0
Iodomethane (Methyl iodide)	ND<62,000	1000	50	Isopropylbenzene	ND<6200	1000	5.0
4-Isopropyl toluene	ND<6200	1000	5.0	Methyl-t-butyl ether (MTBE)	ND<6200	1000	5.0
Methylene chloride	ND<6200	1000	5.0	4-Methyl-2-pentanone (MIBK)	ND<6200	1000	5.0
Naphthalene	ND<6200	1000	5.0	n-Propyl benzene	ND<6200	1000	5.0
Styrene	ND<6200	1000	5.0	1,1,1,2-Tetrachloroethane	ND<6200	1000	5.0
1,1,2,2-Tetrachloroethane	ND<6200	1000	5.0	Tetrachloroethene	ND<6200	1000	5.0
Toluene	ND<6200	1000	5.0	1,2,3-Trichlorobenzene	ND<6200	1000	5.0
1,2,4-Trichlorobenzene	ND<6200	1000	5.0	1,1,1-Trichloroethane	ND<6200	1000	5.0
1,1,2-Trichloroethane	ND<6200	1000	5.0	Trichloroethene	ND<6200	1000	5.0
Trichlorofluoromethane	ND<6200	1000	5.0	1,2,3-Trichloropropane	ND<6200	1000	5.0
1,2,4-Trimethylbenzene	94,000	1000	5.0	1,3,5-Trimethylbenzene	28,000	1000	5.0
Vinyl Acetate	ND<62,000	1000	50	Vinyl Chloride	ND<6200	1000	5.0
Xvlenes	59,000	1000	5.0				

Surrogate Recoveries (%)

%SS1:	91.9	%SS2:	103
%SS3:	110		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



McC Campbell Analytical Inc.

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

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
		Date Received: 12/23/03
	Client Contact: John Lane	Date Extracted: 12/23/03
	Client P.O.:	Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-005A
Client ID	VW1-25(39)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<60,000	1000	50	tert-Amyl methyl ether (TAME)	ND<6000	1000	5.0
Benzene	ND<6000	1000	5.0	Bromobenzene	ND<6000	1000	5.0
Bromochloromethane	ND<6000	1000	5.0	Bromodichloromethane	ND<6000	1000	5.0
Bromoform	ND<6000	1000	5.0	Bromomethane	ND<6000	1000	5.0
2-Butanone (MEK)	ND<12,000	1000	10	t-Butyl alcohol (TBA)	ND<30,000	1000	25
n-Butyl benzene	ND<6000	1000	5.0	sec-Butyl benzene	ND<6000	1000	5.0
tert-Butyl benzene	ND<6000	1000	5.0	Carbon Disulfide	ND<6000	1000	5.0
Carbon Tetrachloride	ND<6000	1000	5.0	Chlorobenzene	ND<6000	1000	5.0
Chloroethane	ND<6000	1000	5.0	2-Chloroethyl Vinyl Ether	ND<12,000	1000	10
Chloroform	ND<6000	1000	5.0	Chloromethane	ND<6000	1000	5.0
2-Chlorotoluene	ND<6000	1000	5.0	4-Chlorotoluene	ND<6000	1000	5.0
Dibromochloromethane	ND<6000	1000	5.0	1,2-Dibromo-3-chloropropane	ND<6000	1000	5.0
1,2-Dibromoethane (EDB)	ND<6000	1000	5.0	Dibromomethane	ND<6000	1000	5.0
1,2-Dichlorobenzene	ND<6000	1000	5.0	1,3-Dichlorobenzene	ND<6000	1000	5.0
1,4-Dichlorobenzene	ND<6000	1000	5.0	Dichlorodifluoromethane	ND<6000	1000	5.0
1,1-Dichloroethane	ND<6000	1000	5.0	1,2-Dichloroethane (1,2-DCA)	ND<6000	1000	5.0
1,1-Dichloroethene	ND<6000	1000	5.0	cis-1,2-Dichloroethene	ND<6000	1000	5.0
trans-1,2-Dichloroethene	ND<6000	1000	5.0	1,2-Dichloropropane	ND<6000	1000	5.0
1,3-Dichloropropane	ND<6000	1000	5.0	2,2-Dichloropropane	ND<6000	1000	5.0
1,1-Dichloropropene	ND<6000	1000	5.0	cis-1,3-Dichloropropene	ND<6000	1000	5.0
trans-1,3-Dichloropropene	ND<6000	1000	5.0	Diisopropyl ether (DIPE)	ND<6000	1000	5.0
Ethylbenzene	ND<6000	1000	5.0	Ethyl tert-butyl ether (ETBE)	ND<6000	1000	5.0
Hexachlorobutadiene	ND<6000	1000	5.0	2-Hexanone	ND<6000	1000	5.0
Iodomethane (Methyl iodide)	ND<60,000	1000	50	Isopropylbenzene	ND<6000	1000	5.0
4-Isopropyl toluene	ND<6000	1000	5.0	Methyl-t-butyl ether (MTBE)	ND<6000	1000	5.0
Methylene chloride	ND<6000	1000	5.0	4-Methyl-2-pentanone (MIBK)	ND<6000	1000	5.0
Naphthalene	16,000	1000	5.0	n-Propyl benzene	ND<6000	1000	5.0
Styrene	ND<6000	1000	5.0	1,1,1,2-Tetrachloroethane	ND<6000	1000	5.0
1,1,2,2-Tetrachloroethane	ND<6000	1000	5.0	Tetrachloroethene	ND<6000	1000	5.0
Toluene	ND<6000	1000	5.0	1,2,3-Trichlorobenzene	ND<6000	1000	5.0
1,2,4-Trichlorobenzene	ND<6000	1000	5.0	1,1,1-Trichloroethane	ND<6000	1000	5.0
1,1,2-Trichloroethane	ND<6000	1000	5.0	Trichloroethene	ND<6000	1000	5.0
Trichlorofluoromethane	ND<6000	1000	5.0	1,2,3-Trichloropropane	ND<6000	1000	5.0
1,2,4-Trimethylbenzene	160,000	1000	5.0	1,3,5-Trimethylbenzene	48,000	1000	5.0
Vinyl Acetate	ND<60,000	1000	50	Vinyl Chloride	ND<6000	1000	5.0
Xylenes	110,000	1000	5.0				

Surrogate Recoveries (%)

%SS1:	90.7	%SS2:	101
%SS3:	110		

Comments: k
 * 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

Angela Rydelius
 Angela Rydelius, Lab Manager



McC Campbell Analytical Inc.

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

Ground Zero Analysis, Inc.

Client Project ID: #365; Pure Etch

Date Sampled: 12/18/03

1714 Main Street

Date Received: 12/23/03

Escalon, CA 95320

Client Contact: John Lane

Date Extracted: 12/23/03

Client P.O.:

Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID 0312471-006A

Client ID VW1-30(41)

Matrix Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<55,000	1000	50	tert-Amyl methyl ether (TAME)	ND<5500	1000	5.0
Benzene	ND<5500	1000	5.0	Bromobenzene	ND<5500	1000	5.0
Bromochloromethane	ND<5500	1000	5.0	Bromodichloromethane	ND<5500	1000	5.0
Bromoform	ND<5500	1000	5.0	Bromomethane	ND<5500	1000	5.0
2-Butanone (MEK)	ND<11,000	1000	10	t-Butyl alcohol (TBA)	ND<28,000	1000	25
n-Butyl benzene	ND<5500	1000	5.0	sec-Butyl benzene	ND<5500	1000	5.0
tert-Butyl benzene	ND<5500	1000	5.0	Carbon Disulfide	ND<5500	1000	5.0
Carbon Tetrachloride	ND<5500	1000	5.0	Chlorobenzene	ND<5500	1000	5.0
Chloroethane	ND<5500	1000	5.0	2-Chloroethyl Vinyl Ether	ND<11,000	1000	10
Chloroform	ND<5500	1000	5.0	Chloromethane	ND<5500	1000	5.0
2-Chlorotoluene	ND<5500	1000	5.0	4-Chlorotoluene	ND<5500	1000	5.0
Dibromochloromethane	ND<5500	1000	5.0	1,2-Dibromo-3-chloropropane	ND<5500	1000	5.0
1,2-Dibromoethane (EDB)	ND<5500	1000	5.0	Dibromomethane	ND<5500	1000	5.0
1,2-Dichlorobenzene	ND<5500	1000	5.0	1,3-Dichlorobenzene	ND<5500	1000	5.0
1,4-Dichlorobenzene	ND<5500	1000	5.0	Dichlorodifluoromethane	ND<5500	1000	5.0
1,1-Dichloroethane	ND<5500	1000	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5500	1000	5.0
1,1-Dichloroethene	ND<5500	1000	5.0	cis-1,2-Dichloroethene	ND<5500	1000	5.0
trans-1,2-Dichloroethene	ND<5500	1000	5.0	1,2-Dichloropropane	ND<5500	1000	5.0
1,3-Dichloropropane	ND<5500	1000	5.0	2,2-Dichloropropane	ND<5500	1000	5.0
1,1-Dichloropropene	ND<5500	1000	5.0	cis-1,3-Dichloropropene	ND<5500	1000	5.0
trans-1,3-Dichloropropene	ND<5500	1000	5.0	Diisopropyl ether (DIPE)	ND<5500	1000	5.0
Ethylbenzene	ND<5500	1000	5.0	Ethyl tert-butyl ether (ETBE)	ND<5500	1000	5.0
Hexachlorobutadiene	ND<5500	1000	5.0	2-Hexanone	ND<5500	1000	5.0
Iodomethane (Methyl iodide)	ND<55,000	1000	50	Isopropylbenzene	ND<5500	1000	5.0
4-Isopropyl toluene	ND<5500	1000	5.0	Methyl-t-butyl ether (MTBE)	ND<5500	1000	5.0
Methylene chloride	ND<5500	1000	5.0	4-Methyl-2-pentanone (MIBK)	ND<5500	1000	5.0
Naphthalene	19,000	1000	5.0	n-Propyl benzene	ND<5500	1000	5.0
Styrene	ND<5500	1000	5.0	1,1,1,2-Tetrachloroethane	ND<5500	1000	5.0
1,1,2,2-Tetrachloroethane	ND<5500	1000	5.0	Tetrachloroethene	ND<5500	1000	5.0
Toluene	ND<5500	1000	5.0	1,2,3-Trichlorobenzene	ND<5500	1000	5.0
1,2,4-Trichlorobenzene	ND<5500	1000	5.0	1,1,1-Trichloroethane	ND<5500	1000	5.0
1,1,2-Trichloroethane	ND<5500	1000	5.0	Trichloroethene	ND<5500	1000	5.0
Trichlorofluoromethane	ND<5500	1000	5.0	1,2,3-Trichloropropane	ND<5500	1000	5.0
1,2,4-Trimethylbenzene	200,000	1000	5.0	1,3,5-Trimethylbenzene	58,000	1000	5.0
Vinyl Acetate	ND<55,000	1000	50	Vinyl Chloride	ND<5500	1000	5.0
Xylenes	140,000	1000	5.0				

Surrogate Recoveries (%)

%SS1:	89.2	%SS2:	101
%SS3:	109		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



McC Campbell Analytical Inc.

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

Ground Zero Analysis, Inc.
 1714 Main Street
 Escalon, CA 95320

Client Project ID: #365; Pure Etch
 Client Contact: John Lane
 Client P.O.:

Date Sampled: 12/18/03
 Date Received: 12/23/03
 Date Extracted: 12/23/03
 Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-007A
Client ID	VW1-36(42)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<57,000	1000	50	tert-Amyl methyl ether (TAME)	ND<5700	1000	5.0
Benzene	ND<5700	1000	5.0	Bromobenzene	ND<5700	1000	5.0
Bromochloromethane	ND<5700	1000	5.0	Bromodichloromethane	ND<5700	1000	5.0
Bromoform	ND<5700	1000	5.0	Bromomethane	ND<5700	1000	5.0
2-Butanone (MEK)	ND<11,000	1000	10	1-Butyl alcohol (TBA)	ND<28,000	1000	25
n-Butyl benzene	ND<5700	1000	5.0	sec-Butyl benzene	ND<5700	1000	5.0
tert-Butyl benzene	ND<5700	1000	5.0	Carbon Disulfide	ND<5700	1000	5.0
Carbon Tetrachloride	ND<5700	1000	5.0	Chlorobenzene	ND<5700	1000	5.0
Chloroethane	ND<5700	1000	5.0	2-Chloroethyl Vinyl Ether	ND<11,000	1000	10
Chloroform	ND<5700	1000	5.0	Chloromethane	ND<5700	1000	5.0
2-Chlorotoluene	ND<5700	1000	5.0	4-Chlorotoluene	ND<5700	1000	5.0
Dibromochloromethane	ND<5700	1000	5.0	1,2-Dibromo-3-chloropropane	ND<5700	1000	5.0
1,2-Dibromoethane (EDB)	ND<5700	1000	5.0	Dibromomethane	ND<5700	1000	5.0
1,2-Dichlorobenzene	ND<5700	1000	5.0	1,3-Dichlorobenzene	ND<5700	1000	5.0
1,4-Dichlorobenzene	ND<5700	1000	5.0	Dichlorodifluoromethane	ND<5700	1000	5.0
1,1-Dichloroethane	ND<5700	1000	5.0	1,2-Dichloroethane (1,2-DCA)	ND<5700	1000	5.0
1,1-Dichloroethene	ND<5700	1000	5.0	cis-1,2-Dichloroethene	ND<5700	1000	5.0
trans-1,2-Dichloroethene	ND<5700	1000	5.0	1,2-Dichloropropane	ND<5700	1000	5.0
1,3-Dichloropropane	ND<5700	1000	5.0	2,2-Dichloropropane	ND<5700	1000	5.0
1,1-Dichloropropene	ND<5700	1000	5.0	cis-1,3-Dichloropropene	ND<5700	1000	5.0
trans-1,3-Dichloropropene	ND<5700	1000	5.0	Diisopropyl ether (DIPE)	ND<5700	1000	5.0
Ethylbenzene	ND<5700	1000	5.0	Ethyl tert-butyl ether (ETBE)	ND<5700	1000	5.0
Hexachlorobutadiene	ND<5700	1000	5.0	2-Hexanone	ND<5700	1000	5.0
Iodomethane (Methyl iodide)	ND<57,000	1000	50	Isopropylbenzene	ND<5700	1000	5.0
4-Isopropyl toluene	ND<5700	1000	5.0	Methyl-t-butyl ether (MTBE)	ND<5700	1000	5.0
Methylene chloride	ND<5700	1000	5.0	4-Methyl-2-pentanone (MIBK)	ND<5700	1000	5.0
Naphthalene	27,000	1000	5.0	n-Propyl benzene	10,000	1000	5.0
Styrene	ND<5700	1000	5.0	1,1,1,2-Tetrachloroethane	ND<5700	1000	5.0
1,1,2,2-Tetrachloroethane	ND<5700	1000	5.0	Tetrachloroethene	ND<5700	1000	5.0
Toluene	6200	1000	5.0	1,2,3-Trichlorobenzene	ND<5700	1000	5.0
1,2,4-Trichlorobenzene	ND<5700	1000	5.0	1,1,1-Trichloroethane	ND<5700	1000	5.0
1,1,2-Trichloroethane	ND<5700	1000	5.0	Trichloroethene	ND<5700	1000	5.0
Trichlorofluoromethane	ND<5700	1000	5.0	1,2,3-Trichloropropane	ND<5700	1000	5.0
1,2,4-Trimethylbenzene	260,000	1000	5.0	1,3,5-Trimethylbenzene	74,000	1000	5.0
Vinyl Acetate	ND<57,000	1000	50	Vinyl Chloride	ND<5700	1000	5.0
Xylenes	240,000	1000	5.0				

Surrogate Recoveries (%)

%SS1:	89.0	%SS2:	102
%SS3:	109		

Comments: k

* water and vapor samples and all TCLP & SPL 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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 Telephone : 925-798-1620 Fax : 925-798-1622
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Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/18/03
		Date Received: 12/23/03
	Client Contact: John Lane	Date Extracted: 12/23/03
	Client P.O.:	Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-008A
Client ID	Blind Dup(40)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<88,000	2000	50	tert-Amyl methyl ether (TAME)	ND<8800	2000	5.0
Benzene	ND<8800	2000	5.0	Bromobenzene	ND<8800	2000	5.0
Bromochloromethane	ND<8800	2000	5.0	Bromodichloromethane	ND<8800	2000	5.0
Bromoform	ND<8800	2000	5.0	Bromomethane	ND<8800	2000	5.0
2-Butanone (MEK)	ND<18,000	2000	10	t-Butyl alcohol (TBA)	ND<44,000	2000	25
n-Butyl benzene	ND<8800	2000	5.0	sec-Butyl benzene	ND<8800	2000	5.0
tert-Butyl benzene	ND<8800	2000	5.0	Carbon Disulfide	ND<8800	2000	5.0
Carbon Tetrachloride	ND<8800	2000	5.0	Chlorobenzene	ND<8800	2000	5.0
Chloroethane	ND<8800	2000	5.0	2-Chloroethyl Vinyl Ether	ND<18,000	2000	10
Chloroform	ND<8800	2000	5.0	Chloromethane	ND<8800	2000	5.0
2-Chlorotoluene	ND<8800	2000	5.0	4-Chlorotoluene	ND<8800	2000	5.0
Dibromochloromethane	ND<8800	2000	5.0	1,2-Dibromo-3-chloropropane	ND<8800	2000	5.0
1,2-Dibromoethane (EDB)	ND<8800	2000	5.0	Dibromomethane	ND<8800	2000	5.0
1,2-Dichlorobenzene	ND<8800	2000	5.0	1,3-Dichlorobenzene	ND<8800	2000	5.0
1,4-Dichlorobenzene	ND<8800	2000	5.0	Dichlorodifluoromethane	ND<8800	2000	5.0
1,1-Dichloroethane	ND<8800	2000	5.0	1,2-Dichloroethane (1,2-DCA)	ND<8800	2000	5.0
1,1-Dichloroethene	ND<8800	2000	5.0	cis-1,2-Dichloroethene	ND<8800	2000	5.0
trans-1,2-Dichloroethene	ND<8800	2000	5.0	1,2-Dichloropropane	ND<8800	2000	5.0
1,3-Dichloropropane	ND<8800	2000	5.0	2,2-Dichloropropane	ND<8800	2000	5.0
1,1-Dichloropropene	ND<8800	2000	5.0	cis-1,3-Dichloropropene	ND<8800	2000	5.0
trans-1,3-Dichloropropene	ND<8800	2000	5.0	Diisopropyl ether (DIPE)	ND<8800	2000	5.0
Ethylbenzene	ND<8800	2000	5.0	Ethyl tert-butyl ether (ETBE)	ND<8800	2000	5.0
Hexachlorobutadiene	ND<8800	2000	5.0	2-Hexanone	ND<8800	2000	5.0
Iodomethane (Methyl iodide)	ND<88,000	2000	50	Isopropylbenzene	ND<8800	2000	5.0
4-Isopropyl toluene	ND<8800	2000	5.0	Methyl-t-butyl ether (MTBE)	ND<8800	2000	5.0
Methylene chloride	ND<8800	2000	5.0	4-Methyl-2-pentanone (MIBK)	ND<8800	2000	5.0
Naphthalene	22,000	2000	5.0	n-Propyl benzene	ND<8800	2000	5.0
Styrene	ND<8800	2000	5.0	1,1,1,2-Tetrachloroethane	ND<8800	2000	5.0
1,1,2,2-Tetrachloroethane	ND<8800	2000	5.0	Tetrachloroethene	ND<8800	2000	5.0
Toluene	ND<8800	2000	5.0	1,2,3-Trichlorobenzene	ND<8800	2000	5.0
1,2,4-Trichlorobenzene	ND<8800	2000	5.0	1,1,1-Trichloroethane	ND<8800	2000	5.0
1,1,2-Trichloroethane	ND<8800	2000	5.0	Trichloroethene	ND<8800	2000	5.0
Trichlorofluoromethane	ND<8800	2000	5.0	1,2,3-Trichloropropane	ND<8800	2000	5.0
1,2,4-Trimethylbenzene	170,000	2000	5.0	1,3,5-Trimethylbenzene	50,000	2000	5.0
Vinyl Acetate	ND<88,000	2000	50	Vinyl Chloride	ND<8800	2000	5.0
Xylenes	110,000	2000	5.0				

Surrogate Recoveries (%)

%SS1:	92.8	%SS2:	102
%SS3:	109		

Comments: k
 * 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



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

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/19/03
		Date Received: 12/23/03
	Client Contact: John Lane	Date Extracted: 12/23/03
	Client P.O.:	Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-011A
Client ID	MW11-60(45)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<4.8	1.0	5.0	tert-Amyl methyl ether (TAME)	ND<4.8	1.0	5.0
Benzene	ND<4.8	1.0	5.0	Bromobenzene	ND<4.8	1.0	5.0
Bromochloromethane	ND<4.8	1.0	5.0	Bromodichloromethane	ND<4.8	1.0	5.0
Bromoform	ND<4.8	1.0	5.0	Bromomethane	ND<4.8	1.0	5.0
2-Butanone (MEK)	ND<9.6	1.0	10	t-Butyl alcohol (TBA)	ND<24	1.0	25
n-Butyl benzene	ND<4.8	1.0	5.0	sec-Butyl benzene	ND<4.8	1.0	5.0
tert-Butyl benzene	ND<4.8	1.0	5.0	Carbon Disulfide	ND<4.8	1.0	5.0
Carbon Tetrachloride	ND<4.8	1.0	5.0	Chlorobenzene	ND<4.8	1.0	5.0
Chloroethane	ND<4.8	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<9.6	1.0	10
Chloroform	ND<4.8	1.0	5.0	Chloromethane	ND<4.8	1.0	5.0
2-Chlorotoluene	ND<4.8	1.0	5.0	4-Chlorotoluene	ND<4.8	1.0	5.0
Dibromochloromethane	ND<4.8	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<4.8	1.0	5.0
1,2-Dibromoethane (EDB)	ND<4.8	1.0	5.0	Dibromomethane	ND<4.8	1.0	5.0
1,2-Dichlorobenzene	ND<4.8	1.0	5.0	1,3-Dichlorobenzene	ND<4.8	1.0	5.0
1,4-Dichlorobenzene	ND<4.8	1.0	5.0	Dichlorodifluoromethane	ND<4.8	1.0	5.0
1,1-Dichloroethane	ND<4.8	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4.8	1.0	5.0
1,1-Dichloroethene	ND<4.8	1.0	5.0	cis-1,2-Dichloroethene	ND<4.8	1.0	5.0
trans-1,2-Dichloroethene	ND<4.8	1.0	5.0	1,2-Dichloropropane	ND<4.8	1.0	5.0
1,3-Dichloropropane	ND<4.8	1.0	5.0	2,2-Dichloropropane	ND<4.8	1.0	5.0
1,1-Dichloropropene	ND<4.8	1.0	5.0	cis-1,3-Dichloropropene	ND<4.8	1.0	5.0
trans-1,3-Dichloropropene	ND<4.8	1.0	5.0	Diisopropyl ether (DIPE)	ND<4.8	1.0	5.0
Ethylbenzene	ND<4.8	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<4.8	1.0	5.0
Hexachlorobutadiene	ND<4.8	1.0	5.0	2-Hexanone	ND<4.8	1.0	5.0
Iodomethane (Methyl iodide)	ND<4.8	1.0	50	Isopropylbenzene	ND<4.8	1.0	5.0
4-Isopropyl toluene	ND<4.8	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<4.8	1.0	5.0
Methylene chloride	ND<4.8	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<4.8	1.0	5.0
Naphthalene	ND<4.8	1.0	5.0	n-Propyl benzene	ND<4.8	1.0	5.0
Styrene	ND<4.8	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<4.8	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<4.8	1.0	5.0	Tetrachloroethene	ND<4.8	1.0	5.0
Toluene	ND<4.8	1.0	5.0	1,2,3-Trichlorobenzene	ND<4.8	1.0	5.0
1,2,4-Trichlorobenzene	ND<4.8	1.0	5.0	1,1,1-Trichloroethane	ND<4.8	1.0	5.0
1,1,2-Trichloroethane	ND<4.8	1.0	5.0	Trichloroethene	ND<4.8	1.0	5.0
Trichlorofluoromethane	ND<4.8	1.0	5.0	1,2,3-Trichloropropane	ND<4.8	1.0	5.0
1,2,4-Trimethylbenzene	ND<4.8	1.0	5.0	1,3,5-Trimethylbenzene	ND<4.8	1.0	5.0
Vinyl Acetate	ND<4.8	1.0	50	Vinyl Chloride	ND<4.8	1.0	5.0
Xylenes	ND<4.8	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	97.7	%SS2:	92.6
%SS3:	100		

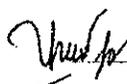
Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

 Angela Rydelius, Lab Manager



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Ground Zero Analysis, Inc.
 1714 Main Street
 Escalon, CA 95320

Client Project ID: #365; Pure Etch
 Client Contact: John Lane
 Client P.O.:

Date Sampled: 12/19/03
 Date Received: 12/23/03
 Date Extracted: 12/23/03
 Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-012A						
Client ID	MW11-65(46)						
Matrix	Soil						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<8.3	1.0	50	tert-Amyl methyl ether (TAME)	ND<8.3	1.0	5.0
Benzene	ND<8.3	1.0	5.0	Bromobenzene	ND<8.3	1.0	5.0
Bromochloromethane	ND<8.3	1.0	5.0	Bromodichloromethane	ND<8.3	1.0	5.0
Bromoform	ND<8.3	1.0	5.0	Bromomethane	ND<8.3	1.0	5.0
2-Butanone (MEK)	ND<17	1.0	10	t-Butyl alcohol (TBA)	ND<41	1.0	25
n-Butyl benzene	ND<8.3	1.0	5.0	sec-Butyl benzene	ND<8.3	1.0	5.0
tert-Butyl benzene	ND<8.3	1.0	5.0	Carbon Disulfide	ND<8.3	1.0	5.0
Carbon Tetrachloride	ND<8.3	1.0	5.0	Chlorobenzene	ND<8.3	1.0	5.0
Chloroethane	ND<8.3	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<17	1.0	10
Chloroform	ND<8.3	1.0	5.0	Chloromethane	ND<8.3	1.0	5.0
2-Chlorotoluene	ND<8.3	1.0	5.0	4-Chlorotoluene	ND<8.3	1.0	5.0
Dibromochloromethane	ND<8.3	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<8.3	1.0	5.0
1,2-Dibromoethane (EDB)	ND<8.3	1.0	5.0	Dibromomethane	ND<8.3	1.0	5.0
1,2-Dichlorobenzene	ND<8.3	1.0	5.0	1,3-Dichlorobenzene	ND<8.3	1.0	5.0
1,4-Dichlorobenzene	ND<8.3	1.0	5.0	Dichlorodifluoromethane	ND<8.3	1.0	5.0
1,1-Dichloroethane	ND<8.3	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<8.3	1.0	5.0
1,1-Dichloroethene	ND<8.3	1.0	5.0	cis-1,2-Dichloroethene	ND<8.3	1.0	5.0
trans-1,2-Dichloroethene	ND<8.3	1.0	5.0	1,2-Dichloropropane	ND<8.3	1.0	5.0
1,3-Dichloropropane	ND<8.3	1.0	5.0	2,2-Dichloropropane	ND<8.3	1.0	5.0
1,1-Dichloropropene	ND<8.3	1.0	5.0	cis-1,3-Dichloropropene	ND<8.3	1.0	5.0
trans-1,3-Dichloropropene	ND<8.3	1.0	5.0	Diisopropyl ether (DIPE)	ND<8.3	1.0	5.0
Ethylbenzene	ND<8.3	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<8.3	1.0	5.0
Hexachlorobutadiene	ND<8.3	1.0	5.0	2-Hexanone	ND<8.3	1.0	5.0
Iodomethane (Methyl iodide)	ND<8.3	1.0	50	Isopropylbenzene	ND<8.3	1.0	5.0
4-Isopropyl toluene	ND<8.3	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<8.3	1.0	5.0
Methylene chloride	ND<8.3	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<8.3	1.0	5.0
Naphthalene	ND<8.3	1.0	5.0	n-Propyl benzene	ND<8.3	1.0	5.0
Styrene	ND<8.3	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<8.3	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<8.3	1.0	5.0	Tetrachloroethene	ND<8.3	1.0	5.0
Toluene	ND<8.3	1.0	5.0	1,2,3-Trichlorobenzene	ND<8.3	1.0	5.0
1,2,4-Trichlorobenzene	ND<8.3	1.0	5.0	1,1,1-Trichloroethane	ND<8.3	1.0	5.0
1,1,2-Trichloroethane	ND<8.3	1.0	5.0	Trichloroethene	ND<8.3	1.0	5.0
Trichlorofluoromethane	ND<8.3	1.0	5.0	1,2,3-Trichloropropane	ND<8.3	1.0	5.0
1,2,4-Trimethylbenzene	ND<8.3	1.0	5.0	1,3,5-Trimethylbenzene	ND<8.3	1.0	5.0
Vinyl Acetate	ND<8.3	1.0	50	Vinyl Chloride	ND<8.3	1.0	5.0
Xylenes	ND<8.3	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	96.2	%SS2:	87.9
%SS3:	99.2		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



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

Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Client Project ID: #365; Pure Etch	Date Sampled: 12/19/03
		Date Received: 12/23/03
	Client Contact: John Lane	Date Extracted: 12/23/03
	Client P.O.:	Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-013A
Client ID	MW11-70(47)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	50	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	2-Hexanone	ND	1.0	5.0
Iodomethane (Methyl iodide)	ND	1.0	50	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	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
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Acetate	ND	1.0	50	Vinyl Chloride	ND	1.0	5.0
Xylenes	ND	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	96.6	%SS2:	87.7
%SS3:	99.1		

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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.

Angela Rydelius Angela Rydelius, Lab Manager



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Ground Zero Analysis, Inc.

Client Project ID: #365; Pure Etch

Date Sampled: 12/19/03

1714 Main Street

Date Received: 12/23/03

Escalon, CA 95320

Client Contact: John Lane

Date Extracted: 12/23/03

Client P.O.:

Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID

0312471-014A

Client ID

MW11-75(48)

Matrix

Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<4.5	1.0	50	tert-Amyl methyl ether (TAME)	ND<4.5	1.0	5.0
Benzene	ND<4.5	1.0	5.0	Bromobenzene	ND<4.5	1.0	5.0
Bromochloromethane	ND<4.5	1.0	5.0	Bromodichloromethane	ND<4.5	1.0	5.0
Bromoform	ND<4.5	1.0	5.0	Bromomethane	ND<4.5	1.0	5.0
2-Butanone (MEK)	ND<9.1	1.0	10	t-Butyl alcohol (TBA)	ND<23	1.0	25
n-Butyl benzene	ND<4.5	1.0	5.0	sec-Butyl benzene	ND<4.5	1.0	5.0
tert-Butyl benzene	ND<4.5	1.0	5.0	Carbon Disulfide	ND<4.5	1.0	5.0
Carbon Tetrachloride	ND<4.5	1.0	5.0	Chlorobenzene	ND<4.5	1.0	5.0
Chloroethane	ND<4.5	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<9.1	1.0	10
Chloroform	ND<4.5	1.0	5.0	Chloromethane	ND<4.5	1.0	5.0
2-Chlorotoluene	ND<4.5	1.0	5.0	4-Chlorotoluene	ND<4.5	1.0	5.0
Dibromochloromethane	ND<4.5	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<4.5	1.0	5.0
1,2-Dibromoethane (EDB)	ND<4.5	1.0	5.0	Dibromomethane	ND<4.5	1.0	5.0
1,2-Dichlorobenzene	ND<4.5	1.0	5.0	1,3-Dichlorobenzene	ND<4.5	1.0	5.0
1,4-Dichlorobenzene	ND<4.5	1.0	5.0	Dichlorodifluoromethane	ND<4.5	1.0	5.0
1,1-Dichloroethane	ND<4.5	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4.5	1.0	5.0
1,1-Dichloroethene	ND<4.5	1.0	5.0	cis-1,2-Dichloroethene	ND<4.5	1.0	5.0
trans-1,2-Dichloroethene	ND<4.5	1.0	5.0	1,2-Dichloropropane	ND<4.5	1.0	5.0
1,3-Dichloropropane	ND<4.5	1.0	5.0	2,2-Dichloropropane	ND<4.5	1.0	5.0
1,1-Dichloropropene	ND<4.5	1.0	5.0	cis-1,3-Dichloropropene	ND<4.5	1.0	5.0
trans-1,3-Dichloropropene	ND<4.5	1.0	5.0	Diisopropyl ether (DIPE)	ND<4.5	1.0	5.0
Ethylbenzene	ND<4.5	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<4.5	1.0	5.0
Hexachlorobutadiene	ND<4.5	1.0	5.0	2-Hexanone	ND<4.5	1.0	5.0
Iodomethane (Methyl iodide)	ND<4.5	1.0	50	Isopropylbenzene	ND<4.5	1.0	5.0
4-Isopropyl toluene	ND<4.5	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<4.5	1.0	5.0
Methylene chloride	ND<4.5	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<4.5	1.0	5.0
Naphthalene	ND<4.5	1.0	5.0	n-Propyl benzene	ND<4.5	1.0	5.0
Styrene	ND<4.5	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<4.5	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<4.5	1.0	5.0	Tetrachloroethene	ND<4.5	1.0	5.0
Toluene	ND<4.5	1.0	5.0	1,2,3-Trichlorobenzene	ND<4.5	1.0	5.0
1,2,4-Trichlorobenzene	ND<4.5	1.0	5.0	1,1,1-Trichloroethane	ND<4.5	1.0	5.0
1,1,2-Trichloroethane	ND<4.5	1.0	5.0	Trichloroethene	ND<4.5	1.0	5.0
Trichlorofluoromethane	ND<4.5	1.0	5.0	1,2,3-Trichloropropane	ND<4.5	1.0	5.0
1,2,4-Trimethylbenzene	ND<4.5	1.0	5.0	1,3,5-Trimethylbenzene	ND<4.5	1.0	5.0
Vinyl Acetate	ND<4.5	1.0	50	Vinyl Chloride	ND<4.5	1.0	5.0
Xylenes	ND<4.5	1.0	5.0				

Surrogate Recoveries (%)

%SS1:

94.6

%SS2:

83.3

%SS3:

100

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



McC Campbell Analytical Inc.

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

Ground Zero Analysis, Inc.
 1714 Main Street
 Escalon, CA 95320

Client Project ID: #365; Pure Etch
 Client Contact: John Lane
 Client P.O.:

Date Sampled: 12/19/03
 Date Received: 12/23/03
 Date Extracted: 12/23/03
 Date Analyzed: 12/24/03-12/29/03

Volatiles Organics + Oxygenates by P&T and GC/MS (Basic Target List) [Encore Sampling]*

Extraction Method: SW5035

Analytical Method: SW8260B

Work Order: 0312471

Lab ID	0312471-015A
Client ID	MW11-80(49)
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<4.5	1.0	5.0	tert-Amyl methyl ether (TAME)	ND<4.5	1.0	5.0
Benzene	ND<4.5	1.0	5.0	Bromobenzene	ND<4.5	1.0	5.0
Bromochloromethane	ND<4.5	1.0	5.0	Bromodichloromethane	ND<4.5	1.0	5.0
Bromoform	ND<4.5	1.0	5.0	Bromomethane	ND<4.5	1.0	5.0
2-Butanone (MEK)	ND<9.1	1.0	10	t-Butyl alcohol (TBA)	ND<23	1.0	25
n-Butyl benzene	ND<4.5	1.0	5.0	sec-Butyl benzene	ND<4.5	1.0	5.0
tert-Butyl benzene	ND<4.5	1.0	5.0	Carbon Disulfide	ND<4.5	1.0	5.0
Carbon Tetrachloride	ND<4.5	1.0	5.0	Chlorobenzene	ND<4.5	1.0	5.0
Chloroethane	ND<4.5	1.0	5.0	2-Chloroethyl Vinyl Ether	ND<9.1	1.0	10
Chloroform	ND<4.5	1.0	5.0	Chloromethane	ND<4.5	1.0	5.0
2-Chlorotoluene	ND<4.5	1.0	5.0	4-Chlorotoluene	ND<4.5	1.0	5.0
Dibromochloromethane	ND<4.5	1.0	5.0	1,2-Dibromo-3-chloropropane	ND<4.5	1.0	5.0
1,2-Dibromoethane (EDB)	ND<4.5	1.0	5.0	Dibromomethane	ND<4.5	1.0	5.0
1,2-Dichlorobenzene	ND<4.5	1.0	5.0	1,3-Dichlorobenzene	ND<4.5	1.0	5.0
1,4-Dichlorobenzene	ND<4.5	1.0	5.0	Dichlorodifluoromethane	ND<4.5	1.0	5.0
1,1-Dichloroethane	ND<4.5	1.0	5.0	1,2-Dichloroethane (1,2-DCA)	ND<4.5	1.0	5.0
1,1-Dichloroethene	ND<4.5	1.0	5.0	cis-1,2-Dichloroethene	ND<4.5	1.0	5.0
trans-1,2-Dichloroethene	ND<4.5	1.0	5.0	1,2-Dichloropropane	ND<4.5	1.0	5.0
1,3-Dichloropropane	ND<4.5	1.0	5.0	2,2-Dichloropropane	ND<4.5	1.0	5.0
1,1-Dichloropropene	ND<4.5	1.0	5.0	cis-1,3-Dichloropropene	ND<4.5	1.0	5.0
trans-1,3-Dichloropropene	ND<4.5	1.0	5.0	Diisopropyl ether (DIPE)	ND<4.5	1.0	5.0
Ethylbenzene	ND<4.5	1.0	5.0	Ethyl tert-butyl ether (ETBE)	ND<4.5	1.0	5.0
Hexachlorobutadiene	ND<4.5	1.0	5.0	2-Hexanone	ND<4.5	1.0	5.0
Iodomethane (Methyl iodide)	ND<4.5	1.0	5.0	Isopropylbenzene	ND<4.5	1.0	5.0
4-Isopropyl toluene	ND<4.5	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND<4.5	1.0	5.0
Methylene chloride	ND<4.5	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND<4.5	1.0	5.0
Naphthalene	ND<4.5	1.0	5.0	n-Propyl benzene	ND<4.5	1.0	5.0
Styrene	ND<4.5	1.0	5.0	1,1,1,2-Tetrachloroethane	ND<4.5	1.0	5.0
1,1,2,2-Tetrachloroethane	ND<4.5	1.0	5.0	Tetrachloroethene	ND<4.5	1.0	5.0
Toluene	ND<4.5	1.0	5.0	1,2,3-Trichlorobenzene	ND<4.5	1.0	5.0
1,2,4-Trichlorobenzene	ND<4.5	1.0	5.0	1,1,1-Trichloroethane	ND<4.5	1.0	5.0
1,1,2-Trichloroethane	ND<4.5	1.0	5.0	Trichloroethene	ND<4.5	1.0	5.0
Trichlorofluoromethane	ND<4.5	1.0	5.0	1,2,3-Trichloropropane	ND<4.5	1.0	5.0
1,2,4-Trimethylbenzene	ND<4.5	1.0	5.0	1,3,5-Trimethylbenzene	ND<4.5	1.0	5.0
Vinyl Acetate	ND<4.5	1.0	5.0	Vinyl Chloride	ND<4.5	1.0	5.0
Xylenes	ND<4.5	1.0	5.0				

Surrogate Recoveries (%)

%SS1:	94.1	%SS2:	86.2
%SS3:	100		

Comments: k

* 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; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight.



McC Campbell Analytical Inc.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0312471

EPA Method: SW8021B/8015Cm		Extraction: SW5035		BatchID: 9834		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
TPH(btex) [£]	N/A	0.60	N/A	N/A	N/A	101	86.6	15.6	70	130
MTBE	N/A	0.10	N/A	N/A	N/A	94.9	104	9.22	70	130
Benzene	N/A	0.10	N/A	N/A	N/A	108	107	1.21	70	130
Toluene	N/A	0.10	N/A	N/A	N/A	94.1	93.8	0.357	70	130
Ethylbenzene	N/A	0.10	N/A	N/A	N/A	110	110	0	70	130
Xylenes	N/A	0.30	N/A	N/A	N/A	100	100	0	70	130
%SS:	N/A	100	N/A	N/A	N/A	104	110	5.61	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.

£ 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.

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.



McC Campbell Analytical Inc.

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

QC SUMMARY REPORT FOR SW8260B

Matrix: S

WorkOrder: 0312471

EPA Method: SW8260B		Extraction: SW5035			BatchID: 9785			Spiked Sample ID: N/A		
	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)	N/A	50	N/A	N/A	N/A	92.7	87.4	5.85	70	130
Benzene	N/A	50	N/A	N/A	N/A	120	112	6.56	70	130
t-Butyl alcohol (TBA)	N/A	250	N/A	N/A	N/A	105	101	3.52	70	130
Chlorobenzene	N/A	50	N/A	N/A	N/A	107	104	2.45	70	130
1,1-Dichloroethene	N/A	50	N/A	N/A	N/A	92.7	86	7.52	70	130
Diisopropyl ether (DIPE)	N/A	50	N/A	N/A	N/A	125	119	4.56	70	130
Ethyl tert-butyl ether (ETBE)	N/A	50	N/A	N/A	N/A	108	102	5.61	70	130
Methyl-t-butyl ether (MTBE)	N/A	50	N/A	N/A	N/A	114	110	3.66	70	130
Toluene	N/A	50	N/A	N/A	N/A	122	119	2.78	70	130
Trichloroethene	N/A	50	N/A	N/A	N/A	102	96.1	5.61	70	130
%SS1:	N/A	100	N/A	N/A	N/A	92.8	91	1.91	70	130
%SS2:	N/A	100	N/A	N/A	N/A	95.7	95	0.702	70	130
%SS3:	N/A	100	N/A	N/A	N/A	101	100	0.438	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.

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

McC Campbell Analytical Inc.



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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0312471

Report to: Justin Power Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	TEL: (209) 838-9888 FAX: (209) 838-9883 ProjectNo: #365; Pure Etch PO:	Bill to: Accounts Payable Ground Zero Analysis, Inc. 1714 Main Street Escalon, CA 95320	Requested TAT: 5 days Date Received: 12/23/03 Date Printed: 12/23/03
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Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)															
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
0312471-001	VW1-5(35)	Soil	12/18/03 4:00:00	<input type="checkbox"/>	A	A														
0312471-002	VW1-10(36)	Soil	12/18/03 4:10:00	<input type="checkbox"/>	A	A														
0312471-003	VW1-15(37)	Soil	12/18/03 4:25:00	<input type="checkbox"/>	A	A														
0312471-004	VW1-20(38)	Soil	12/18/03 4:33:00	<input type="checkbox"/>	A	A														
0312471-005	VW1-25(39)	Soil	12/18/03 4:53:00	<input type="checkbox"/>	A	A														
0312471-006	VW1-30(41)	Soil	12/18/03 5:03:00	<input type="checkbox"/>	A	A														
0312471-007	VW1-36(42)	Soil	12/18/03 5:10:00	<input type="checkbox"/>	A	A														
0312471-008	Blind Dup(40)	Soil	12/18/03	<input type="checkbox"/>	A	A														
0312471-009	MW11-50(43)	Soil	12/19/03 9:30:00	<input checked="" type="checkbox"/>	A	A														
0312471-010	MW11-55(44)	Soil	12/19/03 9:43:00	<input checked="" type="checkbox"/>	A	A														
0312471-011	MW11-60(45)	Soil	12/19/03 10:05:00	<input type="checkbox"/>	A	A														
0312471-012	MW11-65(46)	Soil	12/19/03 10:25:00	<input type="checkbox"/>	A	A														
0312471-013	MW11-70(47)	Soil	12/19/03 10:50:00	<input type="checkbox"/>	A	A														
0312471-014	MW11-75(48)	Soil	12/19/03 11:20:00	<input type="checkbox"/>	A	A														
0312471-015	MW11-80(49)	Soil	12/19/03 12:00:00	<input type="checkbox"/>	A	A														

Test Legend:

1	8260B+OXYS_ENC	2	G-MBTX_ENCORE	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Maria Venegas

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.

