



McCAMPBELL ANALYTICAL INC.

110 Second Avenue South, #D7, Pacheco, CA 94553
Telephone : 510-798-1620 Fax : 510-798-1622
<http://www.mccampbell.com> E-mail: main@mccampbell.com

955 diesel tank removed
8797

Bernabe And Brinker, Inc. 2240 Wood Street Oakland, CA 94607	Client Project ID: Truckers Friend, 1395 7 th Street, Oakland	Date Sampled: 09/03/97
		Date Received: 09/03/97
	Client Contact: E. Bernabe/J. Brinker	Date Extracted: 09/03/97
	Client P.O:	Date Analyzed: 09/03/97

09/10/97

Dear Sirs:

Enclosed are:

- 1). the results of 4 samples from your **Truckers Friend, 1395 7th Street, Oakland** project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

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

Yours truly,

Edward Hamilton, Lab Director



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Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with Methyl tert-Butyl Ether* & BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) [†]	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
80419	SP-4	S	12,b/j	ND	0.020	0.053	0.022	0.082	104
80420	SP-5	S	82,g	ND<0.2	ND<0.05	0.051	0.13	0.75	101
80421	SP-6	S	110,g	ND	0.056	0.062	0.23	0.66	106
80422	SP-7	S	98,b	ND<0.2	ND<0.05	0.17	0.74	4.0	102
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W		50 ug/L	5.0	0.5	0.5	0.5	0.5	
	S		1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	

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

[†] cluttered chromatogram; sample peak coelutes with surrogate peak

[‡]The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment; j) no recognizable pattern.



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	Client P.O:	Date Extracted: 09/03/97
		Date Analyzed: 09/03/97

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

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d) ⁺	% Recovery Surrogate
80419	SP-4	S	23,g,d	97
80420	SP-5	S	530,a	104
80421	SP-6	S	240,a	104
80422	SP-7	S	150,d,b	104
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	W	50 ug/L		
	S	1.0 mg/kg		

* water and vapor samples are reported in ug/L, wipe samples in ug/wipe, soil and sludge samples in mg/kg, and all TCLP / STLC / SPLP extracts in ug/l.
 * cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.
 *The following descriptions of the TPH chromatogram are cursory in nature and McC Campbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel (?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen is present; i) liquid sample that contains greater than ~5 vol. % sediment.



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	Client Contact: E. Bernabe/J. Brinker	Date Received: 09/03/97
	Client P.O:	Date Extracted: 09/03/97
		Date Analyzed: 09/03/97

Lead*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
80419	SP-4	S	TTLC	110	NA
80420	SP-5	S	TTLC	150	NA
80421	SP-6	S	TTLC	140	NA
80422	SP-7	S	TTLC	76	NA
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC		3.0 mg/kg	
	W	TTLC		0.005 mg/L	
	---	STLC,TCLP		0.2 mg/L	

* soil and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L
 ° Lead is analysed using EPA method 6010 (ICP) for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
 ° EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC - CA Title 22
 ° surrogate diluted out of range; N/A means surrogate not applicable to this analysis
 ° reporting limit raised due matrix interference
 i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.



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	Client Contact: E. Bernabe/J. Brinker	Date Received: 09/03/97
	Client P.O:	Date Extracted: 09/08-09/10/97
		Date Analyzed: 09/11/97

Lead*

EPA analytical methods 6010/200.7, 239.2[†]

Lab ID	Client ID	Matrix	Extraction ^o	Lead*	% Recovery Surrogate
80419	SP-4	S	STLC	3.0	NA
80420	SP-5	S	STLC	12	NA
80421	SP-6	S	STLC	7.0	NA
80422	SP-7	S	STLC	7.9	NA
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLC		3.0 mg/kg	
	W	TTLC		0.005 mg/L	
	---	STLC,TCLP		0.2 mg/L	

* soil and sludge samples are reported in mg/kg, wipe samples in ug/wipe, and water samples and all STLC / SPLP / TCLP extracts in mg/L
[†]Lead is analysed using EPA method 6010 (ICP)for soils, sludges, STLC & TCLP extracts and method 239.2 (AA Furnace) for water samples
^o EPA extraction methods 1311(TCLP), 3010/3020(water,TTLC), 3040(organic matrices,TTLC), 3050(solids,TTLC); STLC - CA Title 22
 * surrogate diluted out of range; N/A means surrogate not applicable to this analysis
 * reporting limit raised due matrix interference
 i) liquid sample that contains greater than ~2 vol. % sediment; this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly effect reported metal concentrations.

QC REPORT FOR HYDROCARBON ANALYSES

Date: 09/03/97

Matrix: Soil

Analyte	Concentration (mg/kg) Sample (#77620)			Amount Spiked	% Recovery		RPD
	MS	MSD			MS	MSD	
TPH (gas)	0.000	1.860	1.933	2.03	92	95	3.8
Benzene	0.000	0.188	0.180	0.2	94	90	4.3
Toluene	0.000	0.196	0.192	0.2	98	96	2.1
Ethylbenzene	0.000	0.194	0.192	0.2	97	96	1.0
Xylenes	0.000	0.596	0.594	0.6	99	99	0.3
TPH(diesel)	0	307	310	300	102	103	0.8
TRPH (oil and grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

QC REPORT FOR ICP and/or AA METALS

Date: 09/03/97-09/04/97

Matrix: Soil

Extraction: TTLC

Analyte	Concentration (mg/kg, mg/L)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
Total Lead	0.0	4.78	4.76	5.0	96	95	0.4
Total Cadmium	0.0	5.31	5.31	5.0	106	106	0.0
Total Chromium	0.0	5.08	5.10	5.0	102	102	0.3
Total Nickel	0.0	4.86	4.85	5.0	97	97	0.1
Total Zinc	0.0	5.47	5.45	5.0	109	109	0.4
Total Copper	0.00	4.99	4.96	5.0	100	99	0.6
STLC Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

QC REPORT FOR ICP and/or AA METALS

Date: 09/10/97-09/11/97

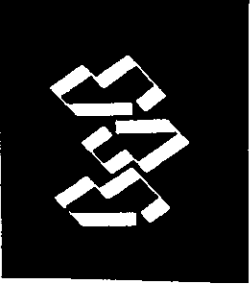
Matrix: Soil

Extraction: STLC

Analyte	Concentration (mg/kg, mg/L)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
Total Lead	0.0	5.40	5.27	5.0	108	105	2.3
Total Cadmium	0.0	5.64	5.57	5.0	113	111	1.2
Total Chromium	0.0	5.35	5.35	5.0	107	107	0.1
Total Nickel	0.0	5.03	5.04	5.0	101	101	0.3
Total Zinc	0.0	5.98	5.92	5.0	120	118	0.9
Total Copper	0.00	4.94	4.85	5.0	99	97	1.9
STLC Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$



BERNABE AND BRINKER INC.

General Engineering Contractor • Hazardous Substances Removal • License #610617

2240 Wood Street

Oakland, California 94607

TEL: 510 • 451 • 3482

FAX: 510 • 836 • 2635

LAB: McCamden Analytical
TURNAROUND: 24 HOUR

P. O. #:

PAGE 1 OF 2

X004

9362-9362-A

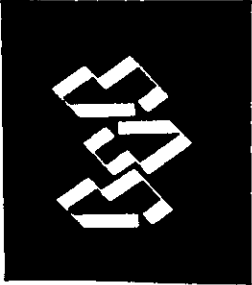
CHAIN OF CUSTODY

PROJECT NO.	SITE NAME & ADDRESS		ANALYTES REQUESTED	TYPE OF CONTAINER	REMARKS						
	TRUCKERS FRIEND 1395 74 th ST. OAKLAND										
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER			TOTAL LIGHT BC	AROMATIC BC (BTX)	TOTAL HEAVY BC	OIL & GREASE	OTHER TOTAL LEAD				
MARK R. VARNBY											
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	Received by: (Signature)	Date / Time	Relinquished by: (Signature)	Date / Time		
SP-4A	9/3/97	13:15	X		2.0'	[Signature]		[Signature]			
SP-4B	"	13:15	X		2.0'	[Signature]		[Signature]			
SP-4C	"	13:10	X		2.0'	[Signature]		[Signature]			
SP-4D	"	13:10	X		2.0'	[Signature]		[Signature]			
SP-5A	"	13:30	X		2.0'	[Signature]		[Signature]			
SP-5B	"	13:30	X		2.0'	[Signature]		[Signature]			
SP-5C	"	13:35	X		2.0'	[Signature]		[Signature]			
SP-5D	"	13:35	X		2.0'	[Signature]		[Signature]			
Relinquished by: (Signature) <u>[Signature]</u> Date / Time <u>9/3/97 14:50</u> Relinquished by: (Signature) <u>[Signature]</u> Date / Time <u>9/3/97 14:50</u>						Received by: (Signature) _____ Date / Time _____ Received by: (Signature) _____ Date / Time _____					
Relinquished by: (Signature) _____						Received for Laboratory by: (Signature) _____		Date / Time _____		Remarks _____	

DATE: 9/3/97

ICE PRESERVATION
 GOOD CONDITION APPROPRIATE
 HEAD SPACE ABSENT CONTAINERS

VOAS | O&G | METALS | OTHER



BERNABE AND BRINKER INC.
 General Engineering Contractor • Hazardous Substances Removal • License # 610617
 2240 Wood Street
 Oakland, California 94607

LAB: McCAMPBELL ANALYTICAL
 TURNAROUND: 24 HOUR

TEL: 510 • 451 • 3482
 FAX: 510 • 836 • 2635

P.O. #: _____

PAGE 2 OF 2

CHAIN OF CUSTODY 9/13/97 9362/9362-A

PROJECT NO.	SITE NAME & ADDRESS		ANALYTES REQUESTED	TOTAL LIGHT RC	TOTAL HEAVY RC (BTEX)	OIL & GREASE	OTHER TOTAL LEAD	REMARKS		
	SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER	SAMPLING LOCATION								
	TRUCKERS FRIEND 1325 7th St OAKLAND									
	MARK R. VARNEY									
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	(1) TYPE OF CONTAINER				
SP-6A	9/3/97	13:40	X		2.0'	BRASS	X	X	X	80421
SP-6B	"	13:40	X		2.0'	"	X	X	X	COMPOSITE 4701
SP-6C	"	13:45	X		2.0'	"	X	X	X	
SP-6D	"	13:45	X		2.0'	"	X	X	X	COMPOSITE 4701
SP-7A	"	13:50	X		2.0'	"	X	X	X	
SP-7B	"	13:50	X		2.0'	"	X	X	X	COMPOSITE 4701
SP-7C	"	13:55	X		2.0'	"	X	X	X	
SP-7D	"	13:55	X		2.0'	"	X	X	X	80422
Relinquished by: (Signature)			Date / Time		Received by: (Signature)		Date / Time		Received by: (Signature)	
[Signature]			9/3/97 14:55		Milenic MAI					
Relinquished by: (Signature)			Date / Time		Received by: (Signature)		Date / Time		Received by: (Signature)	
[Signature]										
Relinquished by: (Signature)			Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks	
[Signature]					[Signature]					

ICE/✓
 GOOD CONDITION ✓
 HEAD SPACE ABSENT ✓

VOAS O&G METALS OTHER
 PRESERVATION ✓
 APPROPRIATE CONTAINERS ✓

DATE: 9/3/97