

**RECEIVED**

2:51 pm, Sep 26, 2008

Alameda County  
Environmental Health

**APPENDIX B**

**Analytical Results of Grab Groundwater Sample (12/98)**



McCAMPBELL ANALYTICAL INC.

110 Second Avenue South, #D7, Pacheco, CA 94553-5560  
Telephone : 925-798-1620 Fax : 925-798-1622  
<http://www.mccampbell.com> E-mail: [main@mccampbell.com](mailto:main@mccampbell.com)

Edd Clark & Associates, Inc. P.O. Box 3039 Rohnert Park, CA 94927	Client Project ID: #0325.001.98; Beacon Station 6600 Foothill Blvd. Oakland	Date Sampled: 12/31/98
	Client Contact: Corey Chrisman	Date Received: 12/31/98
	Client P.O:	Date Extracted: 12/31/98
		Date Analyzed: 12/31/98

01/08/99

Dear Corey:

Enclosed are:

- 1). the results of 1 samples from your #0325,001.98; Beacon Station 6600 Foothill Blvd, 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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Edd Clark & Associates, Inc. P.O. Box 3039 Rohmert Park, CA 94927	Client Project ID: #0325,001.98; Beacon Station 6600 Foothill Blvd, Oakland	Date Sampled: 12/31/98
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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
01249	TP1	W	21,000,a	200,000	420	530	72	7300	103
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.

## QC REPORT FOR HYDROCARBON ANALYSES

Date: 12/31/98-01/01/99

Matrix: WATER

Analyte	Concentration (mg/L)			Amount Spiked	% Recovery		
	Sample (#00973)	MS	MSD		MS	MSD	RPD
TPH (gas)	0.0	85.7	86.1	100.0	85.7	86.1	0.5
Benzene	0.0	10.7	10.1	10.0	107.0	101.0	5.8
Toluene	0.0	11.1	10.4	10.0	111.0	104.0	6.5
Ethyl Benzene	0.0	11.2	10.9	10.0	112.0	109.0	2.7
Xylenes	0.0	33.6	32.7	30.0	112.0	109.0	2.7
TPH(diesel)	0.0	179	172	150	119	115	3.9
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\* Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

CHAIN OF CUSTODY REPORT 13527 XEC376

Proj. No. 0325,00198		Project Name & Location BEACON STATION 6600 FOOTHILL BLVD, CAKLAMP					No. of Containers 3	Analysis TPH4 / BTEX / MTBE				REMARKS
Samplers: (Signature) COREY CHRISMAN		Date 12/31/98										
Sta. No.	Date	Time	Comp.	Grab	Media	Station Loc.						
TP1	12/31	9:40		✓	W	TANK PIT 1	3	X				
ICE? ✓			PRESERVATION APPROPRIATE CONTAINERS ✓			VOLATILES & METALS OTHER						
GOOD CONDITION ✓			HEAD SPACE ABSENT ✓									
Relinquished by: (Signature) COREY CHRISMAN		Date 12/31	Time 2:32	Received by: [Signature]		Relinquished by: [Signature]		Date 12/31/98	Time 3:40	Received by: Anna A Butler		
Relinquished by: (Signature)		Date	Time	Received by:		Relinquished by:		Date	Time	Received by:		
Relinquished by: (Signature)		Date	Time	Received for lab by:		Date	Time	Remarks:				

12-23-1998 9:36AM

FROM BUNNING ASSOCIATES 707 838 4420



**BACE Analytical & Field Services**  
A Division of Bunning Associates, Inc.

December 21, 1998

Log No: 3076

Laboratory Certificate Number: 1264

Whiteman Petroleum  
140 Elsbree Circle  
Windsor, CA 95492

ATTN: Gary Whiteman

RE: Results of the analyses of soil samples obtained for Ravi Sekhan on December 16, 1998.

Dear Mr. Whiteman,

This letter serves to confirm the analytical results previously communicated to you. Should any questions arise concerning procedure or results, please feel free to contact us.

Sincerely,

William C. Roetz  
Director, Mobile Analytical Services

Client: Whiteman Petroleum  
 Contact: Gary Whiteman

Sample Date: 12/16/98  
 Analysis Date: 12/18/98

BAFS Log No: 3076

METHOD: EPA 5030/5020

Matrix: Soil

Parameter	Reporting Limit µg/kg	Lab No Descriptor	Results - µg/kg	
			3076-1 (Tank Hole West)	3076-2 (Tank Hole East)
Benzene	5.0		ND	ND
Toluene	5.0		ND	ND
Ethylbenzene	5.0		ND	ND
Xylenes (total)	5.0		ND	ND
MTBE	50		2000*	12000*
Dilution Factor			5	3

METHOD: EPA 5030 / GC FID

Parameter	Reporting Limit mg/kg	Lab No Descriptor	Results - mg/kg	
			3076-1 (Tank Hole West)	3076-2 (Tank Hole East)
TPH - gasoline	1.0		ND <sup>1</sup>	ND <sup>1</sup>
Dilution Factor			5	1

Note: ND = not detected  
 \* = dilution factor is 50  
 † = excludes MTBE concentration  
 ‡ = dilution factor is 20

*Tetral*  
*Methyl Benzene*  
*fuel additives*



Client: Whitman Petroleum  
 Contact: Gary Whitman

Sample Date: 12/16/98  
 Analysis Date: 12/18/98

BAPS Log No: 3076

METHOD: EPA 5030/8020

Matrix: Soil

Parameter	Reporting Limit µg/kg	Lab No. Descriptor:	Results - µg/kg	
			3076-3 (West Island North)	3076-4 (West Island South)
Benzene	5.0		ND	ND
Toluene	5.0		ND	ND
Ethylbenzene	5.0		ND	ND
Xylenes (total)	5.0		ND	ND
MTBE	50		250	250
Dilution Factor			4	1

METHOD: EPA 5030 / GC FID

Parameter	Reporting Limit mg/kg	Lab No. Descriptor:	Results - mg/kg	
			3076-3 (West Island North)	3076-4 (West Island South)
TPH - gasoline	1.0		ND*	ND
Dilution Factor			4	1

Note: ND = not detected  
 \* = excludes MTBE concentration





Client: Whiteman Petroleum  
 Contact: Gary Whiteman

Page 4 of 4

Sample Date: 12/16/98  
 Analysis Date: 12/18/98

BAPS Log No: 3076

METHOD: EPA 8030/8020

Matrix: Soil

Parameter	Reporting Limit µg/kg	Lab No: Descriptor:	Results - µg/kg 3076-5 (East Island)
Benzene	5.0		ND
Toluene	5.0		35
Ethylbenzene	5.0		ND
Xylenes (total)	5.0		ND
MTBE	5.0		1300
Dilution Factor			58

METHOD: EPA 8030 / GC FID

Parameter	Reporting Limit mg/kg	Lab No: Descriptor:	Results - mg/kg 3076-5 (East Island)
TPH - gasoline	1.0		ND <sup>a</sup>
Dilution Factor			5

Note: ND = not detected  
<sup>a</sup> = excludes MTBE concentration



## QUALITY CONTROL SUMMARY

Client: Whiteman Petroleum  
Client Contact: Gary Whiteman  
Sample Date: 12/16/98  
Analysis Date: 12/18/98 ✓

BAFS Log No. 3076

Matrix: Soil

Parameter	% RECOVERY				RPD
	CCV%*	Blank	Spike	Spike Dup	
Gasoline	94	ND	90	100	10
Benzene	91	ND	95	92	12
Toluene	91	ND	93	88	41
Ethylbenzene	89	ND	94	93	10
Xylenes	91	ND	95	97	21
MTBE	89	ND	97	115	10

\* Continuous Calibration Verification Standard



**BACE Analytical & Field Services, Inc.**  
P. O. Box 838 Windsor, CA 95492  
707-838-8338 FAX 707-838-4420

Whiteman Petroleum  
140 Elbridge Circle  
Windsor, California 95492

DUPLICATE  
12-22-98

Receipt Date: 12/21/98  
Receipt Number: 3076  
Sampling Date: 12/16/98  
Log Number: 3076

Description	No.	Price Per Unit	Total
N015/8020 - Volatile Petroleum Hydrocarbons with BTEX, Urgent	4	\$ 15.00	\$575.00
		<b>Total</b>	<b>\$575.00</b>

Client Project Description: 22006-0  
Client Contact: Gary Whiteman

*For your records only. This is not an invoice.  
You will receive a monthly invoice with a summary of the work performed*



**BRUNING ASSOCIATES, INC.**

**BACE Environmental**  
P. O. Box 888  
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(707) 838-3027

**BACE Geotechnical**  
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Windsor, CA 95492  
(707) 838-0790

**BACE Analytical & Field Services**  
P. O. Box 838  
Windsor, CA 95492  
(707) 838-6538



**FAX FOR ALL DIVISIONS (707) 838-4420**

**FAX COVER SHEET**

To: \_\_\_\_\_

Company: Whitman Petroleum

Voice No: \_\_\_\_\_ Fax No: \_\_\_\_\_

Project Name: \_\_\_\_\_

Project Number: \_\_\_\_\_

Document Being Faxed: Analytical report  
- original was marked 12-22-98

From: Cristina Paulsen

Date: 12-23-98

Number of Pages (including this page) 9

Note:

DATE	SAMPLE ID	TYPE	ANALYSIS	NO
2/16	TANK Hole West	GLASS	ANALYSIS TRPA ISIX MTR E	3070-1
	Tank Hole East			-2
	West Island North			-3
	West Island South			-4
	East Island			-5

NO 3080

5 DAY L.A.T.

LABORATORY:

Requested by: <i>Dick</i>	Received by: <i>G.M. Stumpf</i>	DATE: <i>12/16/94</i>
Requested by: <i>Dick</i>	Requested by: <i>G.M. Stumpf</i>	DATE: <i>12/16/94</i>
Requested by: <i>Dick</i>	Requested by: <i>G.M. Stumpf</i>	DATE: <i>12/16/94</i>



**BRUNSING ASSOCIATES, INC.**

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Rock Springs WY 82901  
307-362-9277