



McCAMPBELL 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

Cambria Environmental Technology 1144 65 th Street, Suite C Oakland, CA 94608	Client Project ID: #193-1521-3; Partch 2856	Date Sampled: 05/24/99
	Client Contact: Paul Waite	Date Received: 05/26/99
	Client P.O:	Date Extracted: 05/26/99
		Date Analyzed: 05/28-06/03/99

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
11939	S-1, 5-6	S	ND	ND	ND	ND	ND	ND	107
11941	S-1, 10-11	S	ND	ND	ND	ND	ND	ND	94
11946	S-1, 19-20	S	ND	ND	ND	ND	ND	ND	104
11947	S-1	W	ND,i	ND	ND	ND	ND	ND	107
11949	S-2, 5-6	S	ND	ND	ND	ND	ND	ND	101
11950	S-2, 7-8	S	ND	ND	ND	ND	ND	ND	100
11955	S-2	W	ND	ND	ND	ND	ND	ND	109
11957	N-1, 5-6	S	ND	ND	ND	ND	ND	ND	101
11959	N-1, 9-10	S	ND	ND	ND	ND	ND	ND	102
11967	N-1	W	ND,i	ND	ND	ND	ND	ND	106
11970	N-2, 7-8	S	ND	ND	ND	ND	ND	ND	101
11978	N-2	W	ND,i	ND	ND	ND	ND	ND	105
11981	N-3, 7-8	S	ND	ND	ND	ND	ND	ND	96
11988	N-3, 23-24	S	ND	ND	ND	ND	ND	ND	100
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

[†] clustered 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 on the sample that contains greater than ~5 vol % sediment, j) no recognizable pattern



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	Client Contact: Paul Waite	Date Received: 05/26/99
	Client P.O:	Date Analyzed: 05/28-06/03/99
		Date Extracted: 05/26/99

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
11989	N-3	W	ND,i	ND	ND	ND	ND	ND	106
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 co-elutes 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 liquid is present, i) liquid sample that contains greater than ~5 vol % sediment, j) no recognizable pattern



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	Client Contact: Paul Waite	Date Received: 05/26/99
	Client P.O:	Date Extracted: 05/26/99
		Date Analyzed: 06/01-06/04/99

Lead*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
11939	S-1, 5-6	S	TTLC	4.5	101
11941	S-1, 10-11	S	TTLC	4.0	102
11946	S-1, 19-20	S	TTLC	19	101
11947	S-1	W	Dissolved	0.046	NA
11949	S-2, 5-6	S	TTLC	5.2	101
11950	S-2, 7-8	S	TTLC	39	100
11955	S-2	W	Dissolved	0.43	NA
11957	N-1, 5-6	S	TTLC	9.0	97
11959	N-1, 9-10	S	TTLC	5.4	101
11967	N-1	W	Dissolved	0.071	NA
11970	N-2, 7-8	S	TTLC	4.0	101
11978	N-2	W	Dissolved	0.21	NA
11981	N-3, 7-8	S	TTLC	5.6	101
11988	N-3, 23-24	S	TTLC	6.6	101
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

° liquid sample that contains greater than ~2 vol % sediment, this sediment is extracted with the liquid, in accordance with EPA methodologies and can significantly affect reported metal concentrations



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	Client P.O.:	Date Analyzed: 06/01-06/04/99
		Date Extracted: 05/26/99

Lead*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
11989	N-3	W	Dissolved	0.12	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,TTIC), STLC - CA Title 22
 ° surrogate diluted out of range, N A means surrogate not applicable to this analysis
 ° reporting limit raised due matrix interference
 ° liquid sample that contains greater than ~2 vol % sediment, this sediment is extracted with the liquid, in accordance with EPA methods above and can significantly effect reported metal concentrations

QC REPORT FOR HYDROCARBON ANALYSES

Date: 05/28/99-05/29/99

Matrix: WATER

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		
	Sample (#12050)	MS	MSD		MS	MSD	RPD
TPH (gas)	0.0	106.2	103.5	100.0	106.2	103.5	2.6
Benzene	0.0	9.4	9.2	10.0	94.0	92.0	2.2
Toluene	0.0	9.8	9.5	10.0	98.0	95.0	3.1
Ethyl Benzene	0.0	9.9	9.7	10.0	99.0	97.0	2.0
Xylenes	0.0	29.8	29.1	30.0	99.3	97.0	2.4
TPH(diesel)	0.0	8954	8664	7500	119	116	3.3
TRPH (oil & 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 HYDROCARBON ANALYSES

Date: 05/28/99-05/29/99

Matrix: SOIL

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample (#02399)	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	2.169	2.130	2.03	107	105	1.8
Benzene	0.000	0.202	0.192	0.2	101	96	5.1
Toluene	0.000	0.208	0.198	0.2	104	99	4.9
Ethylbenzene	0.000	0.208	0.202	0.2	104	101	2.9
Xylenes	0.000	0.624	0.604	0.6	104	101	3.3
TPH(diesel)	0	269	271	300	90	90	0.7
TRPH (oil and grease)	0.0	23.0	22.6	20.8	111	109	1.8

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

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

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QC REPORT FOR ICP and/or AA METALS

Date: 06/01/99

Matrix: WATER

Extraction:

DISSOLVED

Analyte	Concentration (mg/L)			Amount	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
Total Lead	0.00	4.48	4.57	5.00	90	91	2.1
Total Cadmium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Nickel	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Organic Le	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: 06/04/99-06/05/99

Matrix: SOIL

Extraction:

TTLC

Analyte	Concentration (mg/kg, mg/L)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
Total Lead	0.0	5.17	5.15	5.0	103	103	0.4
Total Cadmium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Chromium	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Nickel	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Zinc	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Copper	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Organic Lead	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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

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

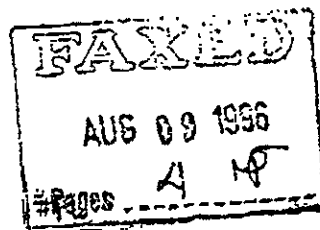
CALCOAST ANALYTICAL

Materials Chemistry

Certified by
 California Department of Health Services
 City of Los Angeles, Dept. of Building & Safety

mailed 8/9/96

August 9, 1996



Bamer Construction
 3137 Castro Valley Blvd.
 Castro Valley, CA 94546

Attn: Mr. John Bamer

Ref: Lab File #0807-6A/F-96

1. SAMPLE(S):

Six (6) soil core samples from 2856 Helen St., Oakland, CA., Project No 616 306 "O"

- A. #1: South Tank, East End
- B. #2: South Tank, West End
- C. #3: North Tank, North End
- D. #4: North Tank, South End
- E. #5: North Composite of Piles
- F. #6: South Composite of Piles

Received August 7, 1996

2. ANALYSIS REQUIRED:

- A. Total lead (Pb) concentration by Atomic Absorption Spectroscopy (AAS).
- B. Total Petroleum Hydrocarbons - gasoline (TPH-g) by Gas Chromatography (GC).
- C. Benzene, Toluene, ethylbenzene, and xylenes (BTEX) concentration by Gas Chromatography / Mass Spectrometry (GC/MS).


COATINGS • BUILDING MATERIALS • HAZARDOUS WASTE
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4. RESULTS:(continued)

C. BTEX

p/BIL

SAMPLE	CONCENTRATION ($\mu\text{g}/\text{kg}$)			
	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE
A. #1, S. Tank / E. End	2,400	12,000	200	700
B. #2, S. Tank / W. End	6,500	17,000	1,500	7,600
C. #3, N. Tank / N. End	< 0.1 (ND)	< 0.1 (ND)	20	110
D. #4, N. Tank / S. End	< 0.1 (ND)	< 0.1 (ND)	< 0.1 (ND)	< 0.1 (ND)
E. #5, N. Composite	< 0.1 (ND)	590	< 0.1 (ND)	300
F. #6, S. Composite	140	880	290	610
Method Blank	< 0.1 (ND)	< 0.1 (ND)	< 0.1 (ND)	< 0.1 (ND)
Mean Spike Recovery	109%	114%	102%	88%



Ronald Shrewsbury
Analytical Chemist

RS:ag

ALL SAMPLES SUBMITTED FOR TESTING WILL BE HELD 30 DAYS FROM REPORT DATE AT WHICH TIME THEY WILL BE RETURNED TO CLIENT OR DESTROYED. CLIENT WILL BE RESPONSIBLE FOR ALL SHIPPING, HANDLING, AND DISPOSAL CHARGES. SAMPLES WILL BE STORED UPON WRITTEN INSTRUCTIONS AND FEE ARRANGEMENTS.

This report was made at the request of and for the use only of the purchaser of said report. Any use of or dissemination of information contained herein or reference to Calcoast Labs Inc without prior written consent of Calcoast Labs Inc is strictly prohibited.

3. METHODS OF ANALYSIS:

- A. Sample Digestion - EPA Method 3050; SW-846
AAS Analysis - EPA Method 7420; SW-846
- B. GC by EPA Method 8015; SW-846
- C. GC/MS by EPA Method 8240; SW-846

4. RESULTS:

A. Total Lead

SAMPLE	TOTAL LEAD CONCENTRATION (mg/kg)
A. S. Tank / E. End	4.7
B. S. Tank / W. End	4.8
C. N. Tank / N. End	32
D. N. Tank / S. End	5.1
E. N. Composite	78
F. S. Composite	11

Method Blank = < 5.0 mg/kg (none detected)

Mean Spike Recovery = 108%

B. TPH-g

SAMPLE	TPH-G CONCENTRATION (mg/kg)
A. #1, S. Tank / E. End	200
B. #2, S. Tank / W. End	290
C. #3, N. Tank / N. End	0.43
D. #4, N. Tank / S. End	0.49
E. #5, North Composite	6.0
F. #6, South Composite	10

Method Blank = < 0.05 mg/kg (none detected)

Mean Spike Recovery = 92%

CALCOAST ANALYTICAL

Materials Chemistry

Certified by
California Department of Health Services
City of Los Angeles, Dept. of Building & Safety

August 13, 1996

Bamer Construction
3137 Castro Valley Blvd.
Castro Valley, CA 94546

Attn: Mr. John Bamer

Ref: Lab File #0812-2A/C-96

1. **SAMPLE(S):**

Three (3) vials of water from 2856 Helen St., Oakland, CA. Project No. 616 806 "O".
The three vials are to be analyzed as one sample.

Received August 12, 1996

2. **ANALYSIS REQUIRED:**

- A. Total lead (Pb) concentration by Atomic Absorption Spectroscopy (AAS).
- B. Total Petroleum Hydrocarbons - gasoline (TPH-g) concentration by Gas Chromatography (GC).
- C. Benzene, toluene, ethylbenzene and xylenes (BTEX) concentration by Gas Chromatography / Mass Spectrometry (GC/MS).

3. **METHODS OF ANALYSIS:**

- A. Sample Digestion - EPA Method 3005; SW-846
AAS Analysis - EPA Method 7420; SW-846
- B. GC by EPA Method 8015; SW-846
- C. GC/MS by EPA Method 8240; SW-846

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TELEPHONE (510) 652-2979
FAX (510) 652-3085

P.O. BOX 8702 • EMERYVILLE, CA 94662
4072 WATTS STREET • EMERYVILLE, CA 94608

Page 2 of 2
 Ref: Lab File #0812-2A/C-96

4. RESULTS:

A. Total Lead

The submitted sample contained < 0.05 mg/l lead (none detected).

Method Blank = < 0.05 mg/l (none detected)

Mean Spike Recovery = 108%

B. TPH-g

The submitted sample contained < 0.05 mg/l TPH-g (none detected)

Method Blank = < 0.05 mg/l (none detected)

Mean Spike Recovery = 111%

C. BTEX

Sample	Concentration (µg/l)			
	Benzene	Toluene	Ethylbenzene	Xylene
2856 Helen	< 0.1 (ND)	< 0.1 (ND)	< 0.1 (ND)	< 0.1 (ND)
Method Blank	< 0.1 (ND)	< 0.1 (ND)	< 0.1 (ND)	< 0.1 (ND)
Mean Spike Recovery	113%	104%	104%	109%



Ronald Shrewsbury
 Analytical Chemist

RS:ag

ALL SAMPLES SUBMITTED FOR TESTING WILL BE HELD 30 DAYS FROM REPORT DATE AT WHICH TIME THEY WILL BE RETURNED TO CLIENT OR DESTROYED. CLIENT WILL BE RESPONSIBLE FOR ALL SHIPPING, HANDLING, AND DISPOSAL CHARGES. SAMPLES WILL BE STORED UPON WRITTEN INSTRUCTIONS AND FEE ARRANGEMENTS.

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*FILE 39 PPM
LEAD
MHC*

*RESPOND TO 6/9/99
PDWAITE @CAMBRIA*

C A M B R I A



Fax

To: Amir Gholami

Company: ACDEH

Fax: (510) 337-9335

Phone: (510) 567-6700

From: Paul Waite

Phone: (510) 420-3305, fax (510) 420-9170

Pages: 6, including this page

Date: June 7, 1999

Re: Results, 2856 Helen Street, Oakland.

ENV. CUM

Amir,

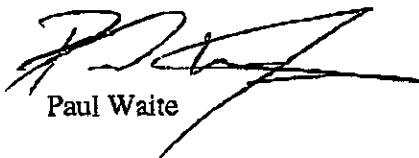
Attached are the analytical results of the soil and groundwater sampling conducted on May 24, 1999 at 2856 Helen Street, Oakland, California 94608 (STID #170). Also attached is a draft site plan showing the locations of the five Geoprobe borings.

The soil samples were labeled by boring number and depth (e.g., S-1, 5-6 ft). Borings S-1 and S-2 were near the southern former tank location, and borings N-1, N-2, and N-3 were near the northern former tank location. Groundwater samples were labeled by boring number only.

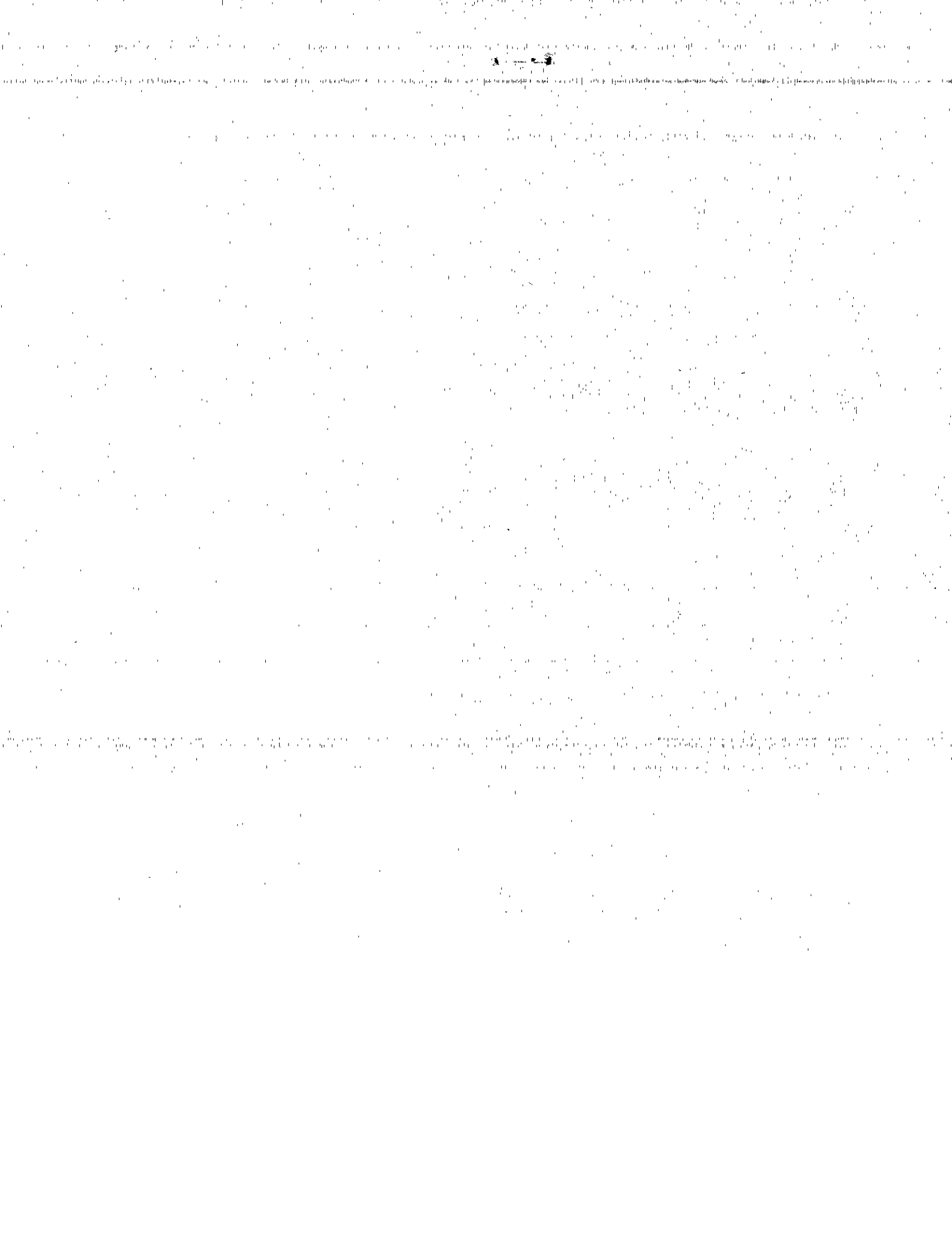
No TPHg, MTBE, or BTEX were detected in any of the soil or groundwater samples, and lead concentrations present in the samples were low.

Because a potential property transaction is pending, we would like to pursue closure for this site as quickly as possible. Any efforts to expedite this request would be greatly appreciated. If you have any questions or would like more information, please contact me at (510) 420-3305.

Thank you for your continued assistance with this project.
Sincerely,


Paul Waite

cc: W. Taylor Partch, Fax (510) 521-2970



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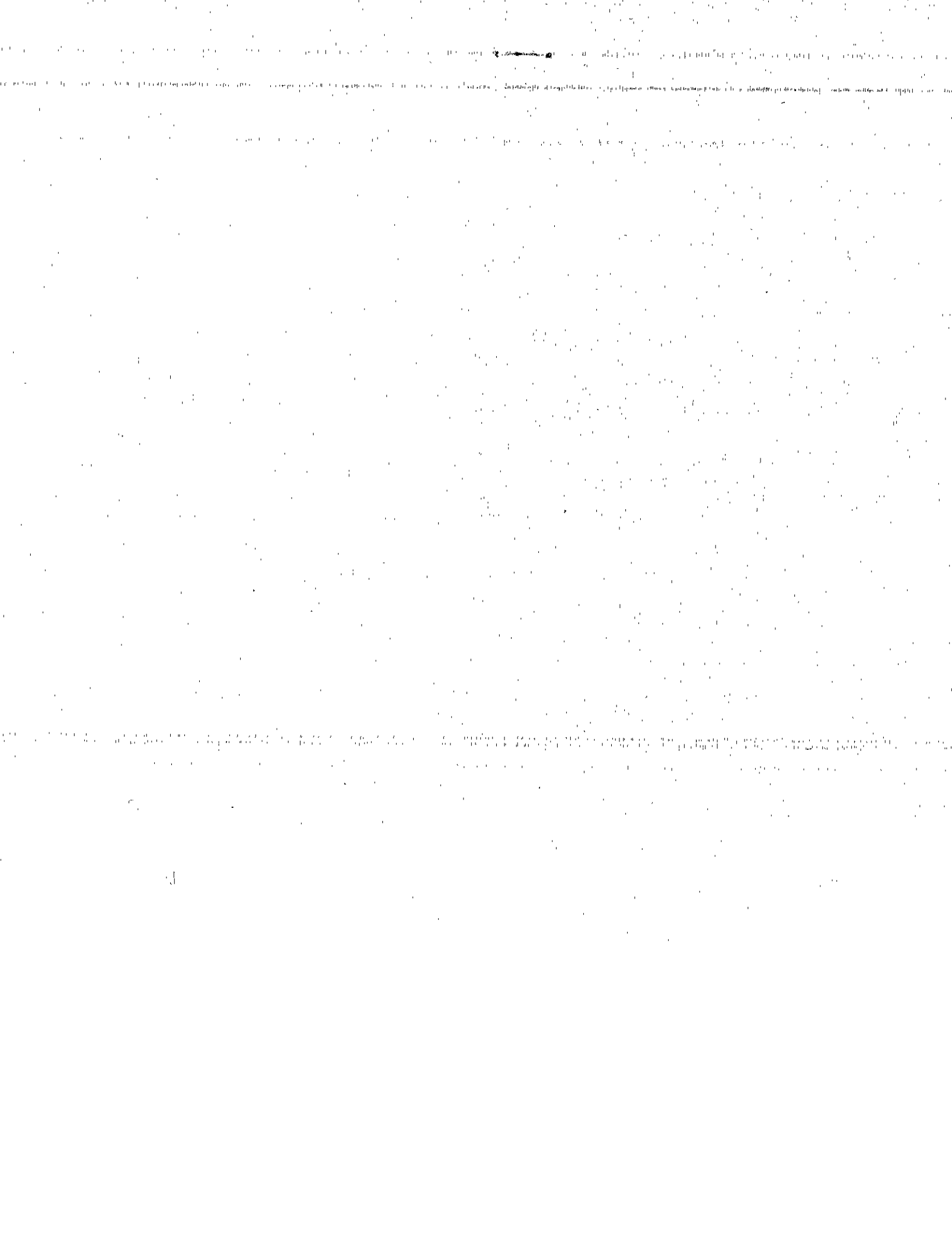
EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GC/FID(5030)

Lab ID	Client ID	Matrix	TPH(g)*	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
11989	N-3	W	ND,i	ND	ND	ND	ND	ND	106
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	0.5	
	S	1.0 mg/kg	0.05	0.005	0.005	0.005	0.005	0.005	

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* clustered 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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		Date Analyzed: 05/28-06/03/99


Gasoline Range (C5-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 GCFLD(5030)

Lab ID	Client ID	Matrix	TPH(g) [†]	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	% Recovery Surrogate
11939	S-1, 5-6	S	ND	ND	ND	ND	ND	ND	107
11941	S-1, 10-11	S	ND	ND	ND	ND	ND	ND	94
11946	S-1, 19-20	S	ND	ND	ND	ND	ND	ND	104
11947	S-1	W	ND,i	ND	ND	ND	ND	ND	107
11949	S-2, 5-6	S	ND	ND	ND	ND	ND	ND	101
11950	S-2, 7-8	S	ND	ND	ND	ND	ND	ND	100
11955	S-2	W	ND	ND	ND	ND	ND	ND	109
11957	N-1, 5-6	S	ND	ND	ND	ND	ND	ND	101
11959	N-1, 9-10	S	ND	ND	ND	ND	ND	ND	102
11967	N-1	W	ND,i	ND	ND	ND	ND	ND	106
11970	N-2, 7-8	S	ND	ND	ND	ND	ND	ND	101
11978	N-2	W	ND,i	ND	ND	ND	ND	ND	105
11981	N-3, 7-8	S	ND	ND	ND	ND	ND	ND	96
11988	N-3, 23-24	S	ND	ND	ND	ND	ND	ND	100
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

 McCAMPBELL 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
	(Additional contact information or address details)

Cambria Environmental Technology 1144 65 th Street, Suite C Oakland, CA 94608	Client Project ID: #193-1521-3; Patch 2856	Date Sampled: 05/24/99
	Client Contact: Paul Waite	Date Received: 05/26/99
	Client P.O.:	Date Extracted: 05/26/99
	(Empty cell)	Date Analyzed: 06/01-06/04/99

Lead*


EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
11939	S-1, 5-6	S	TTLIC	4.5	101
11941	S-1, 10-11	S	TTLIC	4.0	102
11946	S-1, 19-20	S	TTLIC	19	101
11947	S-1	W	Dissolved	0.046	NA
11949	S-2, 5-6	S	TTLIC	5.2	101
11950	S-2, 7-8	S	TTLIC	39	100
11955	S-2	W	Dissolved	0.43	NA
11957	N-1, 5-5	S	TTLIC	9.0	97
11959	N-1, 9-10	S	TTLIC	5.4	101
11967	N-1	W	Dissolved	0.071	NA
11970	N-2, 7-8	S	TTLIC	4.0	101
11978	N-2	W	Dissolved	0.21	NA
11981	N-3, 7-8	S	TTLIC	5.6	101
11988	N-3, 23-24	S	TTLIC	6.6	101
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit		S	TTLIC	3.0 mg/kg	
		W	TTLIC	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 oil 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,TTLIC), 3040(organic matrices,TTLIC), 3050(solids,TTLIC); STLC - CA Title 22
 ° surrogate diluted out of range; N/A means surrogate not applicable to this analysis
 ° reporting limit raised due matrix interference
 °) 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.

DHS Certification No. 1644

Ed Edward Hamilton, Lab Director



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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

Cambria Environmental Technology 1144 65 th Street, Suite C Oakland, CA 94608	Client Project ID: #193-1521-3; Partch 2856	Date Sampled: 05/24/99
	Client Contact: Paul Waite	Date Received: 05/26/99
	Client P.O:	Date Extracted: 05/26/99
		Date Analyzed: 06/01-06/04/99

Lead*

EPA analytical methods 6010/200.7, 239.2*

Lab ID	Client ID	Matrix	Extraction °	Lead*	% Recovery Surrogate
11989	N-3	W	Dissolved	0.12	NA
Reporting Limit unless otherwise stated; ND means not detected above the reporting limit	S	TTLIC	3.0 mg/kg		
	W	TTLIC	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 analyzed 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, TTLIC), 3040 (organic matrices, TTLIC), 3050 (solids, TTLIC), STLC - CA Title 22

° surrogate diluted out of range; N/A means surrogate not applicable to this analysis

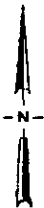
* reporting limit raised due matrix interference

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

DHS Certification No. 1644

 Edward Hamilton, Lab Director

34th STREET



EXPLANATION

- N-3 ● Geoprobe Boring Location
- ← Estimated Ground Water Flow Direction

HELEN STREET

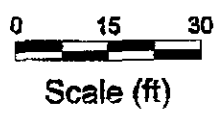
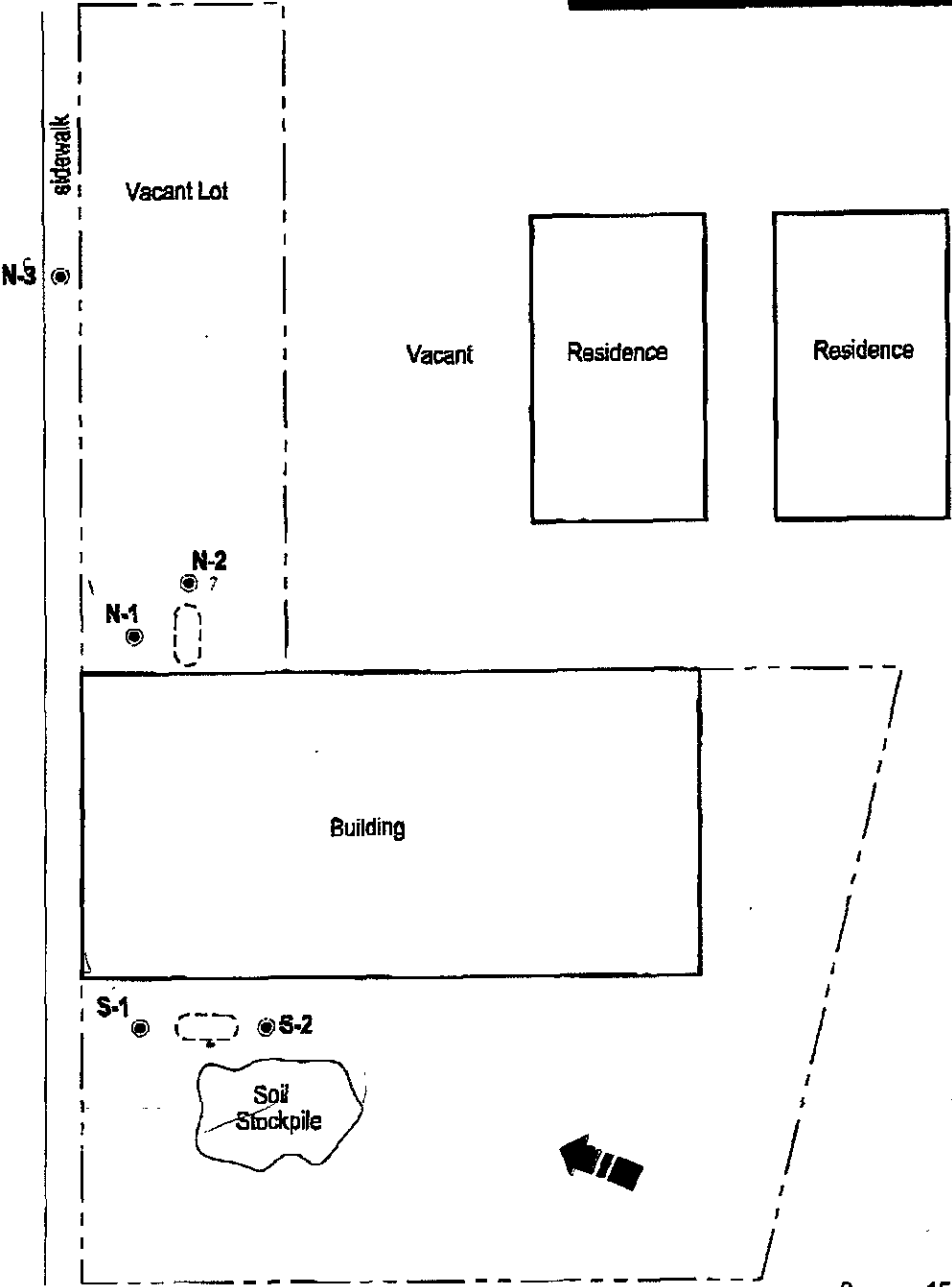


FIGURE 2

W.T. PARTCH SURVEYING

W.T. Partch
 2862 Helen Street
 Oakland, California



C A M B R I A

Geoprobe Boring Locations