



September 14, 1995

Thomas Peacock  
Alameda County Department of Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577

ENVIRONMENTAL  
PROTECTION  
95 SEP 18 PM 4:30

RE: Shell Service Station  
WIC #204-6138-0303  
4226 First Street  
Pleasanton, California  
WA Job #81-0571-09

Dear Mr. Peacock:

This letter serves to confirm our telephone conversation yesterday regarding backfilling pea gravel at the Shell station referenced above. As you know, Shell Oil Products Company is upgrading the station's fuel dispensers. ~~\_\_\_\_\_~~

~~\_\_\_\_\_~~ Weiss Associates collected 4 samples of the gravel for laboratory analysis to ensure that the gravel contained no significant hydrocarbon concentrations. No benzene and only up to 3.4 parts per million total petroleum hydrocarbons as gasoline were detected in the samples. Therefore, based on these results, you and I agreed that the gravel can be backfilled at the site. The analytic results for the samples are included in Attachment A.

I appreciate your cooperation in this matter. Please call me if you have any comments or questions.

Sincerely,  
Weiss Associates

Thomas Fojut  
Project Geologist

Attachment: A - Certified Analytic Report

TF:tf

J:\SHELL\0571\CORRESP.95\09PEACT1.DOC

cc: R. Jeff Granberry, Shell Oil Products Company, PO Box 4023, Concord, CA 94524  
Jeff Byram, Shell Oil Products Company, PO Box 4023, Concord, CA 94524  
Chris Boykin, Pleasanton Fire Department, 4444 Railroad Street, Pleasanton, CA 94566

ENVIRONMENTAL  
PROTECTION  
95 SEP 18 PM 4: 30

**ATTACHMENT A**

**CERTIFIED ANALYTIC REPORT**



# Sequoia Analytical

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
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FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Weiss Associates  
5500 Shellmound  
Emeryville, CA 94608  
Attention: Faith Daverin

Project: Shell 4226 First St., Pleasanton

Enclosed are the results from samples received at Sequoia Analytical on September 8, 1995.  
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9509357 -01	SOLID, SP-A2	09/08/95	TPHGBS Purgeable TPH/BTEX
9509357 -02	SOLID, SP-B2	09/08/95	TPHGBS Purgeable TPH/BTEX
9509357 -03	SOLID, SP-C2	09/08/95	TPHGBS Purgeable TPH/BTEX
9509357 -04	SOLID, SP-(A-D)2	09/08/95	ITTLCS Title 22: Metals, T
9509357 -04	SOLID, SP-(A-D)2	09/08/95	Organic Lead
9509357 -04	SOLID, SP-(A-D)2	09/08/95	TPHGBS Purgeable TPH/BTEX

Please contact me if you have any questions. In the meantime, thank you for the opportunity to work with you on this project.

Very truly yours,

**SEQUOIA ANALYTICAL**

Mike Gregory  
Project Manager



Weiss Associates 5500 Shellmound Emeryville, CA 94608	Client Proj. ID: Shell 4226 First St., Pleasanton Lab Proj. ID: 9509357	Sampled: 09/08/95 Received: 09/08/95 Analyzed: see below Reported: 09/12/95
-------------------------------------------------------------	----------------------------------------------------------------------------	--------------------------------------------------------------------------------------

**LABORATORY ANALYSIS**

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9509357-04 Sample Desc: SOLID,SP-(A-D)2				
Organic Lead	mg/Kg	09/12/95	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Mike Gregory  
Project Manager



Weiss Associates 5500 Shellmound Emeryville, CA 94608  Attention: Faith Daverin	Client Proj. ID: Shell 4226 First St., Pleasanton Sample Descript: SP-A2 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9509357-01	Sampled: 09/08/95 Received: 09/08/95 Extracted: 09/11/95 Analyzed: 09/11/95 Reported: 09/12/95
---------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

QC Batch Number: GC091195BTEXEXA  
 Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

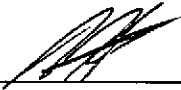
Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	3.4
Benzene	0.0050	N.D.
Toluene	0.0050	0.011
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	0.039
Chromatogram Pattern:		C8-C12

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	150 Q

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
 \_\_\_\_\_  
 Mike Gregory  
 Project Manager



Weiss Associates	Client Proj. ID: Shell 4226 First St., Pleasanton	Sampled: 09/08/95
5500 Shellmound	Sample Descript: SP-B2	Received: 09/08/95
Emeryville, CA 94608	Matrix: SOLID	Extracted: 09/11/95
Attention: Faith Daverin	Analysis Method: 8015Mod/8020	Analyzed: 09/11/95
	Lab Number: 9509357-02	Reported: 09/12/95

QC Batch Number: GC091195BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	0.0060
Xylenes (Total)	0.0050	0.0076
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	145 Q

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Mike Gregory  
Project Manager



Weiss Associates 5500 Shellmound Emeryville, CA 94608 Attention: Faith Daverin	Client Proj. ID: Shell 4226 First St., Pleasanton Sample Descript: SP-C2 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9509357-03	Sampled: 09/08/95 Received: 09/08/95 Extracted: 09/11/95 Analyzed: 09/11/95 Reported: 09/12/95
-----------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

QC Batch Number: GC091195BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
<b>Toluene</b>	<b>0.0050</b>	<b>0.0057</b>
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	145 Q

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Mike Gregory  
Project Manager



Weiss Associates 5500 Shellmound Emeryville, CA 94608 Attention: Faith Daverin	Client Proj. ID: Shell 4226 First St., Pleasanton Sample Descript: SP-(A-D)2 Matrix: SOLID Analysis Method: Title 22 Lab Number: 9509357-04	Sampled: 09/08/95 Received: 09/08/95 Analyzed: Reported: 09/12/95
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**Inorganic Persistent and Bioaccumulative Toxic Substances : TTLC**

Analyte	Max. Limit mg/Kg	Detection Limit mg/Kg	Sample Results mg/Kg
Antimony, Sb	500	5.0	12
Arsenic, As	500	5.0	N.D.
Barium, Ba	10000	5.0	130
Beryllium, Be	75	0.50	N.D.
Cadmium, Cd	100	0.50	N.D.
Chromium, Cr	2500	0.50	35
Chromium, Cr (VI)	500	0.050	-
Cobalt, Co	8000	2.5	9.0
Copper, Cu	2500	0.50	24
Lead, Pb	1000	5.0	14
Mercury, Hg	20	0.020	0.028
Molybdenum, Mo	3500	2.5	N.D.
Nickel, Ni	2000	2.5	40
Selenium, Se	100	5.0	N.D.
Silver, Ag	500	0.50	N.D.
Thallium, Tl	700	5.0	N.D.
Vanadium, V	2400	2.5	28
Zinc, Zn	5000	0.50	130
Asbestos, fibers/g	10000		--
Fluoride salts	18000	1.0	--

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Mike Gregory  
Project Manager





Weiss Associates 5500 Shellmound Emeryville, CA 94608 Attention: Faith Daverin	Client Proj. ID: Shell 4226 First St., Pleasanton Sample Descript: SP-(A-D)2 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9509357-04	Sampled: 09/08/95 Received: 09/08/95 Extracted: 09/11/95 Analyzed: 09/11/95 Reported: 09/12/95
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QC Batch Number: GC091195BTEXEXA  
Instrument ID: GCHP18

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	1.5
Benzene	0.0050	N.D.
Toluene	0.0050	0.0096
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	0.025
Chromatogram Pattern:		C8-C12
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	154 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory  
Project Manager



Sequoia  
Analytical

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Weiss Associates  
5500 Shellmound  
Emeryville, CA 94608  
Attention: Faith Daverin

Client Proj. ID: Shell 4226 First St., Pleasanton  
Lab Proj. ID: 9509357

Received: 09/08/95

Reported: 09/12/95

### LABORATORY NARRATIVE

#Q - Surrogate co-elution was confirmed.

SEQUOIA ANALYTICAL

Mike Gregory  
Project Manager



<b>Weiss Associates</b> 5500 Shellmound Emeryville, CA 94608 Attention: Faith Daverin	<b>Client Project ID:</b> Shell 4226 First St., Pleasanton <b>Matrix:</b> Solid  <b>Work Order #:</b> 9509357 -01-04	<b>Reported:</b> Sep 13, 1995
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**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
<b>QC Batch#:</b>	GC091195BTEXEXA	GC091195BTEXEXA	GC091195BTEXEXA	GC091195BTEXEXA
<b>Analy. Method:</b>	EPA 8020	EPA 8020	EPA 8020	EPA 8020
<b>Prep. Method:</b>	EPA 5030	EPA 5030	EPA 5030	EPA 5030

<b>Analyst:</b>	G. Garcia	G. Garcia	G. Garcia	G. Garcia
<b>MS/MSD #:</b>	9508M8501	9508M8501	9508M8501	9508M8501
<b>Sample Conc.:</b>	N.D.	N.D.	N.D.	N.D.
<b>Prepared Date:</b>	9/11/95	9/11/95	9/11/95	9/11/95
<b>Analyzed Date:</b>	9/11/95	9/11/95	9/11/95	9/11/95
<b>Instrument I.D.#:</b>	GCHP6	GCHP6	GCHP6	GCHP6
<b>Conc. Spiked:</b>	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
<b>Result:</b>	0.16	0.17	0.17	0.50
<b>MS % Recovery:</b>	80	85	85	83
<b>Dup. Result:</b>	0.16	0.16	0.16	0.49
<b>MSD % Recov.:</b>	80	80	80	82
<b>RPD:</b>	0.0	6.1	6.1	2.0
<b>RPD Limit:</b>	0-50	0-50	0-50	0-50

**LCS #:**

**Prepared Date:**  
**Analyzed Date:**  
**Instrument I.D.#:**  
**Conc. Spiked:**

**LCS Result:**  
**LCS % Recov.:**

MS/MSD LCS Control Limits	Benzene	Toluene	Ethyl Benzene	Xylenes
	55-145	47-149	47-155	56-140

**Please Note:**

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

**SEQUOIA ANALYTICAL**

*Mike Gregory*  
Mike Gregory  
Project Manager

\*\* MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9509357.WAA <1>



**SHELL OIL COMPANY**  
RETAIL ENVIRONMENTAL ENGINEERING - WEST

**CHAIN OF CUSTODY RECORD**

Serial No: 9509357

Date: 9/8/95

Page 1 of 1

Site Address: 4226 First Street, Pleasanton, CA

**Analysis Required**

LAB: Seq 0019

WIC#: 204-6138-0303

Shell Engineer: Jeff Bryam Phone No.:  
Fax #:

Consultant Name & Address: WEISS ASSOCIATES  
5500 SHELLMOUND ST EMERYVILLE CA 94608

Consultant Contact: Faith Daverin Phone No.:  
WA JOB # 81-0571-008 (510) 450-6000  
Fax #: 547-5043

Comments: DISPOSAL (P-GRAVEL)

Sampled by: Faith Daverin

Printed Name: Faith Daverin

CHECK ONE (1) BOX ONLY	CT/DI	TURN AROUND TIME
G.W. Monitoring <input type="checkbox"/>	4461	24 hours <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	4441	48 hours <input checked="" type="checkbox"/>
Soil Classify/Disposal <input checked="" type="checkbox"/>	4442	15 days <input type="checkbox"/> (Normal)
Water Classify/Disposal <input type="checkbox"/>	4443	Other <input type="checkbox"/>
Soil/Air Rem. or Sys. O & M <input type="checkbox"/>	4452	
Water Rem. or Sys. O & M <input type="checkbox"/>	4453	
Other <input type="checkbox"/>		

NOTE: Notify Lab as soon as Possible of 24/48 hrs. TAT.

UST AGENCY: \_\_\_\_\_

Sample ID	Date	Sludge	Soil	Water	Air	No. of conds.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
A SP-AZ	9/8/95		X			1					X					Y	Please composite and analyze per shells minimum requirements for soil impacted with gasoline (bST related).		
B SP-BZ			X			1				X						Y			
C SP-CZ			X			1				X						Y			
D SP-DZ			X			1				X						Y			

Relinquished By (signature): <u>Faith Daverin</u>	Printed Name: <u>Faith Daverin</u>	Date: <u>9/8/95</u> Time: <u>1553</u>	Received (signature): _____	Printed Name: _____	Date: _____ Time: _____
Relinquished By (signature): _____	Printed Name: _____	Date: _____ Time: _____	Received (signature): _____	Printed Name: _____	Date: _____ Time: _____
Relinquished By (signature): _____	Printed Name: _____	Date: _____ Time: _____	Received (signature): <u>J. BARG</u>	Printed Name: <u>J. BARG</u>	Date: <u>9-8-95</u> Time: <u>1553</u>

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS