

STID # 3646

CAMBRIA Environmental Technology, Inc.

1144 65th Street, Suite C • Oakland, CA 94608 • (510) 420-0700 • Fax (510) 420-9170

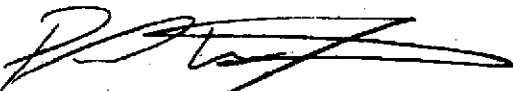
FAX TRANSMITTAL**TO:** Mr. Don Huang**FROM:** Paul Waite**COMPANY:** Alameda County DEH**DATE:** November 4, 1996**FAX NUMBER:** (510) 337-9335**PROJECT NUMBER:****SUBJECT:** Shell Service Station
540 Hegenberger Road, Oakland, CA**PAGES TO FOLLOW:** 4**COMMENTS:**

Mr. Huang,

Attached are the analytical results for the soil sample that we collected from beneath the repaired dispenser at 540 Hegenberger Road. We collected the sample from the native soil underneath the geofabric that was beneath the dispenser.

A full report detailing this sampling, additional air sampling that we have conducted, and future plans for this site will be submitted to your office. If you have any questions concerning this site or if you would like additional information, please call me at (510) 420-9185.

Thank you for your assistance.



Paul Waite

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Sequoia Analytical

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

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834

(415) 364-9600
(510) 988-9600
(916) 921-9600

FAX (415) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Cambria
1144 65th St. Suite C
Oakland, CA 94608
Attention: Paul Walte

Project: SHELL 204-5508-5900 / Oakland

Enclosed are the results from samples received at Sequoia Analytical on August 22, 1996.
The requested analyses are listed below:

<u>SAMPLE #</u>	<u>SAMPLE DESCRIPTION</u>	<u>DATE COLLECTED</u>	<u>TEST METHOD</u>
9608E16 -01	SOLID, D-1	08/20/96	TPGBMS 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

Project Manager

Quality Assurance Department





Sequoia Analytical

680 Chesapeake Drive
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Cambria 1144 65th St. Suite C Oakland, CA 94608	Client Proj. ID: SHELL 204-5508-5900 / Oakland Sample Descript: D-1 Matrix: SOLID Analysis Method: 8015Mod/8020 Lab Number: 9608E16-01	Sampled: 08/20/96 Received: 08/22/96 Extracted: 08/26/96 Analyzed: 08/26/96 Reported: 09/04/96
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QC Batch Number: GC082696BTEXEXA
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	300	3400
Methyl t-Butyl Ether	7.5	720
Benzene	1.5	17
Toluene	1.5	280
Ethyl Benzene	1.5	84
Xylenes (Total)	1.5	450
Chromatogram Pattern:		C6-C12

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	174 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Kevin Follett
Project Manager





Sequoia Analytical

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 819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100

Cambria Environmental Tech.
 1144 65th St., Ste. C
 Oakland, CA 94608
 Attention: Paul Waite

Client Project ID: Shell 204-5508-5900 / Oakland
 Matrix: Solid

Work Order #: 9608E16 01

Reported: Sep 4, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC082596BTEXEXA	GC082596BTEXEXA	GC082596BTEXEXA	GC082596BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	Y. Arteaga	Y. Arteaga	Y. Arteaga	Y. Arteaga
MS/MSD #:	9608B2614	9608B2614	9608B2614	9608B2614
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/26/96	8/26/96	8/26/96	8/26/96
Analyzed Date:	8/26/96	8/26/96	8/26/96	8/26/96
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
Result:	0.18	0.19	0.19	0.56
MS % Recovery:	90	95	95	93
Dup. Result:	0.18	0.18	0.18	0.53
MSD % Recov.:	90	90	90	88
RPD:	0.0	5.4	5.4	5.5
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK082696	BLK082696	BLK082696	BLK082696
Prepared Date:	8/26/96	8/26/96	8/26/96	8/26/96
Analyzed Date:	8/26/96	8/26/96	8/26/96	8/26/96
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg
LCS Result:	0.20	0.21	0.21	0.63
LCS % Recov.:	100	105	105	105

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

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

Kevin Follett
 Kevin Follett
 Project Manager

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

9608E16.CCC <1>





SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: _____

Date: 8/20/95

Page 1 of 1

Site Address: 540 Hegenberger Rd, Oakland

WIC#: 204-5508-5900

Shell Engineer: R. Jeff Cranberry
Phone No.: 510-420-6168
Fax #: 675-6172

Consultant Name & Address: Cambria, 1144-65th St, Oakland 94608

Consultant Contact: Paul Waite
Phone No.: 510-420-4185
Fax #: 420-4170

Comments:

Sampled by: *[Signature]*
Printed Name: Paul Waite

Analysis Required

9608E16

TPH (EPA 8015 Mod. Gas)	
TPH (EPA 8015 Mod. Diesel)	
BTEX (EPA 8020/802)	
Volatile Organics (EPA 8240)	
Test for Disposal	
Combination TPH 8015 & BTEX 8020	X
MTBE 8020	X
Asbestos	
Container Size	
Preparation Used	
Composite Y/N	

LAB: Sequoia

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
G.W. Monitoring <input type="checkbox"/>	4461	24 hours <input type="checkbox"/>
Site Investigation <input checked="" type="checkbox"/>	4441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input type="checkbox"/>	4442	15 days <input checked="" 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:

MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/802)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020	MTBE 8020	Asbestos	Container Size	Preparation Used	Composite Y/N	
D-1			X			1						X	X					

Relinquished By (signature): <i>[Signature]</i>	Printed Name: Paul Waite	Date: 8/22/95	Received (signature): <i>[Signature]</i>	Printed Name: J. WRIGHT	Date: 8/22/95
Relinquished By (signature): <i>[Signature]</i>	Printed Name: SWR/BHT	Date: 8/22/95	Received (signature): <i>[Signature]</i>	Printed Name:	Date:
Relinquished By (signature): <i>[Signature]</i>	Printed Name:	Date:	Received (signature): <i>[Signature]</i>	Printed Name: J.N. Kete	Date: 8/22/95

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

Nov-04-96 12:13P

P.05