

PACIFIC ENVIRONMENTAL GROUP, INC.

NOTIFIED
Bialmont
7.22

18 pgs

Fxd 7-19

Date July 19, 1993
Project 305-94.01

To: Kris Marshall
B&J Landfill

Didn't Fox
QA/QC

7-22 Verbal from
Kris Approved

We have enclosed:

Copies	Description
<u>1</u>	<u>Analytical Results for SP-7 (approximately 70 yards)</u>
<u>1</u>	<u>Site map showing spoils location</u>
_____	_____
_____	<u>Re: Former Shell Service Station</u>
_____	<u>2724 Castro Valley Bl @ Lake Chabot Road, Castro Valley</u>

For your: _____ Use
 _____ Approval
X Review
X Information

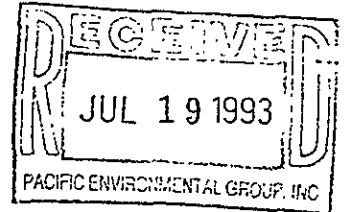
Comments: Kris, the enclosed data are for the profiling of ~70 yards of soil to B&J Landfill. The soil was generated during tank removal, product line removal, and over excavations done at the site. Gradient Construction will be hauling the soil into the landfill. Please call (408) 441-7790 ext. 238 if you have any questions.

Thank You,
Rhonda Barrick



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Project: 305-94.01/Shell, Castro Valley

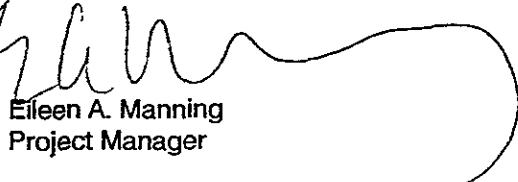
Enclosed are the results from 6 soil samples received at Sequoia Analytical on July 12, 1993. The requested analyses are listed below:

3G49501	Soil, LWW-3, 12'	7/12/93	EPA 3550/8015 EPA 5030/8015/8020 SM 5520 E&F (Gravimetric)
3G49502	Soil, LWW-4, 12'	7/12/93	EPA 3550/8015 EPA 5030/8015/8020 SM 5520 E&F (Gravimetric)
3G49503	Soil, EF-17, 15'	7/12/93	EPA 3550/8015 EPA 5030/8015/8020 SM 5520 E&F (Gravimetric)
3G49504	Soil, EF-18, 15'	7/12/93	EPA 3550/8015 EPA 5030/8015/8020 SM 5520 E&F (Gravimetric)
3G49505	Soil, SP-7A,B,C,D comp	7/12/93	Ignitability, Reactivity & Corrosivity STLC Metals EPA 5030/8015 EPA 8240 EPA 8270 SM 5520 E&F (Gravimetric)
3G49509	Soil, SP-7E,F,G,H comp	7/12/93	Ignitability, Reactivity & Corrosivity STLC Metals EPA 5030/8015 EPA 8240 EPA 8270 SM 5520 E&F (Gravimetric)

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


Eileen A. Manning
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Mike Hurd	Client Project ID: 305-94.01/Shell, Castro Valley Sample Matrix: Soil Analysis Method: EPA 3550/8015 First Sample #: 3G49501	Sampled: Jul 12, 1993 Received: Jul 12, 1993 Reported: Jul 14, 1993
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TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 3G49501 LWW-3, 12'	Sample I.D. 3G49502 LWW-4, 12'	Sample I.D. 3G49503 EF-17, 15'	Sample I.D. 3G49504 EF-18, 15'
Extractable Hydrocarbons	1.0	53	N.D.	N.D.	N.D.
Chromatogram Pattern:		Non-diesel mix < C15	--	--	--

Quality Control Data

Report Limit				
Multiplication Factor:	1.0	1.0	1.0	1.0
Date Extracted:	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:	7/13/93	7/13/93	7/13/93	7/13/93
Instrument Identification:	GCHP-5 INJ. A	GCHP-5 INJ. A	GCHP-5 INJ. A	GCHP-5 INJ. A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

EAM
Eileen A. Manning
Project Manager



SEQUOIA ANALYTICAL

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(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 12, 1993
2025 Gateway Place, Suite 440	Sample Matrix: Soil	Received: Jul 12, 1993
San Jose, CA 95110	Analysis Method: EPA 5030/8015/8020	Reported: Jul 14, 1993
Attention: Mike Hurd	First Sample #: 3G49501	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit mg/kg	Sample I.D.	Sample I.D.	Sample I.D.	Sample I.D.
		3G49501 LWW-3, 12'	3G49502 LWW-4, 12'	3G49503 EF-17, 15'	3G49504 EF-18, 15'
Purgeable Hydrocarbons	1.0	190	N.D.	N.D.	N.D.
Benzene	0.0050	0.72	0.014	0.015	0.0060
Toluene	0.0050	4.6	0.073	0.10	0.083
Ethyl Benzene	0.0050	4.3	N.D.	0.0080	0.0060
Total Xylenes	0.0050	26	0.011	0.028	0.030
Chromatogram Pattern:		Gas	--	--	--

Quality Control Data

Report Limit				
Multiplication Factor:	25	1.0	1.0	1.0
Date Analyzed:	7/12/93	7/12/93	7/12/93	7/12/93
Instrument Identification:	GCHP-18	GCHP-18	GCHP-18	GCHP-18
Surrogate Recovery, %: (QC Limits = 70-130%)	152*	106	107	105
*Coelution confirmed				

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

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Eileen A. Manning
Project Manager



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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Mike Hurd	Client Project ID: 305-94.01/Shell, Castro Valley Sample Matrix: Soil Analysis Method: EPA 5030/8015 First Sample #: 3G49505	Sampled: Jul 12, 1993 Received: Jul 12, 1993 Reported: Jul 14, 1993
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TOTAL PURGEABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 3G49505 SP-7A,B,C,D comp	Sample I.D. 3G49509 SP-7E,F,G,H comp
Purgeable Hydrocarbons	1.0	100	200

Chromatogram Pattern: Gas + Non-gas mix Gas + Non-gas
C9 - C12 C9 - C12

Quality Control Data

Report Limit		
Multiplication Factor:	10	20
Date Analyzed:	7/13/93	7/13/93
Instrument Identification:	GCHP-18	GCHP-18
Surrogate Recovery: (QC Limits = 70-130%)	162*	118
*Coelution confirmed		

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL


Eileen A. Manning
Project Manager



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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Sample Descript: Soil, SP-7E,F,G,H comp
Analysis Method: EPA 8240
Lab Number: 3G49509


Sampled: Jul 12, 1993
Received: Jul 12, 1993
Analyzed: Jul 13, 1993
Reported: Jul 14, 1993

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone.....	1,700	N.D.
Benzene.....	330	690
Bromodichloromethane.....	330	N.D.
Bromoform.....	330	N.D.
Bromomethane.....	330	N.D.
2-Butanone.....	1,700	N.D.
Carbon disulfide.....	330	N.D.
Carbon tetrachloride.....	330	N.D.
Chlorobenzene.....	330	N.D.
Chloroethane.....	330	N.D.
2-Chloroethyl vinyl ether.....	1,700	N.D.
Chloroform.....	330	N.D.
Chloromethane.....	330	N.D.
Dibromochloromethane.....	330	N.D.
1,1-Dichloroethane.....	330	N.D.
1,2-Dichloroethane.....	330	N.D.
1,1-Dichloroethene.....	330	N.D.
cis-1,2-Dichloroethene.....	330	N.D.
trans-1,2-Dichloroethene.....	330	N.D.
1,2-Dichloropropane.....	330	N.D.
cis-1,3-Dichloropropene.....	330	N.D.
trans-1,3-Dichloropropene.....	330	N.D.
Ethylbenzene.....	330	3,400
2-Hexanone.....	1,700	N.D.
Methylene chloride.....	830	N.D.
4-Methyl-2-pentanone.....	1,700	N.D.
Styrene.....	330	N.D.
1,1,2,2-Tetrachloroethane.....	330	N.D.
Tetrachloroethene.....	330	N.D.
Toluene.....	330	830
1,1,1-Trichloroethane.....	330	N.D.
1,1,2-Trichloroethane.....	330	N.D.
Trichloroethene.....	330	N.D.
Trichlorofluoromethane.....	330	N.D.
Vinyl acetate.....	330	N.D.
Vinyl chloride.....	330	N.D.
Total Xylenes.....	330	20,000

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Eileen A. Manning
Project Manager



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Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 12, 1993
2025 Gateway Place, Suite 440	Sample Descript: Soil, SP-7A,B,C,D comp	Received: Jul 12, 1993
San Jose, CA 95110	Analysis Method: EPA 8270	Extracted: Jul 12, 1993
Attention: Mike Hurd	Lab Number: 3G49505	Analyzed: Jul 13, 1993
		Reported: Jul 14, 1993

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Di-N-octyl phthalate.....	100	N.D.
Fluoranthene.....	100	N.D.
Fluorene.....	100	N.D.
Hexachlorobenzene.....	100	N.D.
Hexachlorobutadiene.....	100	N.D.
Hexachlorocyclopentadiene.....	100	N.D.
Hexachloroethane.....	100	N.D.
Indeno(1,2,3-cd)pyrene.....	100	N.D.
Isophorone.....	100	N.D.
2-Methylnaphthalene.....	100	640
2-Methylphenol.....	100	N.D.
4-Methylphenol.....	100	N.D.
Naphthalene.....	100	590
2-Nitroaniline.....	500	N.D.
3-Nitroaniline.....	500	N.D.
4-Nitroaniline.....	500	N.D.
Nitrobenzene.....	100	N.D.
2-Nitrophenol.....	100	N.D.
4-Nitrophenol.....	500	N.D.
N-Nitrosodiphenylamine.....	100	N.D.
N-Nitroso-di-N-propylamine.....	100	N.D.
Pentachlorophenol.....	500	N.D.
Phenanthrene.....	100	N.D.
Phenol.....	100	N.D.
Pyrene.....	100	N.D.
1,2,4-Trichlorobenzene.....	100	N.D.
2,4,5-Trichlorophenol.....	500	N.D.
2,4,6-Trichlorophenol.....	100	N.D.

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

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Eileen A. Manning
Project Manager



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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Sample Descript: Soil, SP-7A,B,C,D comp
Analysis Method: EPA 8270
Lab Number: 3G49505

Sampled: Jul 12, 1993
Received: Jul 12, 1993
Extracted: Jul 12, 1993
Analyzed: Jul 13, 1993
Reported: Jul 14, 1993

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene.....	100	N.D.
Acenaphthylene.....	100	N.D.
Anthracene.....	100	N.D.
Benzoic Acid.....	500	N.D.
Benzo(a)anthracene.....	100	N.D.
Benzo(b)fluoranthene.....	100	N.D.
Benzo(k)fluoranthene.....	100	N.D.
Benzo(g,h,i)perylene.....	100	N.D.
Benzo(a)pyrene.....	100	N.D.
Benzyl alcohol.....	100	N.D.
Bis(2-chloroethoxy)methane.....	100	N.D.
Bis(2-chloroethyl)ether.....	100	N.D.
Bis(2-chloroisopropyl)ether.....	100	N.D.
Bis(2-ethylhexyl)phthalate.....	500	N.D.
4-Bromophenyl phenyl ether.....	100	N.D.
Butyl benzyl phthalate.....	100	N.D.
4-Chloroaniline.....	100	N.D.
2-Chloronaphthalene.....	100	N.D.
4-Chloro-3-methylphenol.....	100	N.D.
2-Chlorophenol.....	100	N.D.
4-Chlorophenyl phenyl ether.....	100	N.D.
Chrysene.....	100	N.D.
Dibenz(a,h)anthracene.....	100	N.D.
Dibenzofuran.....	100	N.D.
Di-N-butyl phthalate.....	500	N.D.
1,3-Dichlorobenzene.....	100	N.D.
1,4-Dichlorobenzene.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
3,3-Dichlorobenzidine.....	500	N.D.
2,4-Dichlorophenol.....	100	N.D.
Diethyl phthalate.....	100	N.D.
2,4-Dimethylphenol.....	100	N.D.
Dimethyl phthalate.....	100	N.D.
4,6-Dinitro-2-methylphenol.....	500	N.D.
2,4-Dinitrophenol.....	500	N.D.
2,4-Dinitrotoluene.....	100	N.D.
2,6-Dinitrotoluene.....	100	N.D.



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Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 12, 1993
2025 Gateway Place, Suite 440	Sample Descript: Soil, SP-7A,B,C,D comp	Received: Jul 12, 1993
San Jose, CA 95110	Analysis Method: EPA 8240	Analyzed: Jul 13, 1993
Attention: Mike Hurd	Lab Number: 3G49505	Reported: Jul 14, 1993

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone.....	900	N.D.
Benzene.....	180	350
Bromodichloromethane.....	180	N.D.
Bromoform.....	180	N.D.
Bromomethane.....	180	N.D.
2-Butanone.....	900	N.D.
Carbon disulfide.....	180	N.D.
Carbon tetrachloride.....	180	N.D.
Chlorobenzene.....	180	N.D.
Chloroethane.....	180	N.D.
2-Chloroethyl vinyl ether.....	900	N.D.
Chloroform.....	180	N.D.
Chloromethane.....	180	N.D.
Dibromochloromethane.....	180	N.D.
1,1-Dichloroethane.....	180	N.D.
1,2-Dichloroethane.....	180	N.D.
1,1-Dichloroethene.....	180	N.D.
cis-1,2-Dichloroethene.....	180	N.D.
trans-1,2-Dichloroethene.....	180	N.D.
1,2-Dichloropropane.....	180	N.D.
cis-1,3-Dichloropropene.....	180	N.D.
trans-1,3-Dichloropropene.....	180	N.D.
Ethylbenzene.....	180	2,700
2-Hexanone.....	900	N.D.
Methylene chloride.....	450	N.D.
4-Methyl-2-pentanone.....	900	N.D.
Styrene.....	180	N.D.
1,1,2,2-Tetrachloroethane.....	180	N.D.
Tetrachloroethene.....	180	N.D.
Toluene.....	180	2,700
1,1,1-Trichloroethane.....	180	N.D.
1,1,2-Trichloroethane.....	180	N.D.
Trichloroethene.....	180	N.D.
Trichlorofluoromethane.....	180	N.D.
Vinyl acetate.....	180	N.D.
Vinyl chloride.....	180	N.D.
Total Xylenes.....	180	18,000

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

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Eileen A. Manning
Project Manager



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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Sample Descript: Soil, SP-7E,F,G,H comp
Analysis Method: EPA 8270
Lab Number: 3G49509

Sampled: Jul 12, 1993
Received: Jul 12, 1993
Extracted: Jul 12, 1993
Analyzed: Jul 13, 1993
Reported: Jul 14, 1993

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene.....	100	N.D.
Acenaphthylene.....	100	N.D.
Anthracene.....	100	N.D.
Benzoic Acid.....	500	N.D.
Benzo(a)anthracene.....	100	N.D.
Benzo(b)fluoranthene.....	100	N.D.
Benzo(k)fluoranthene.....	100	N.D.
Benzo(g,h,i)perylene.....	100	N.D.
Benzo(a)pyrene.....	100	N.D.
Benzyl alcohol.....	100	N.D.
Bis(2-chloroethoxy)methane.....	100	N.D.
Bis(2-chloroethyl)ether.....	100	N.D.
Bis(2-chloroisopropyl)ether.....	100	N.D.
Bis(2-ethylhexyl)phthalate.....	500	N.D.
4-Bromophenyl phenyl ether.....	100	N.D.
Butyl benzyl phthalate.....	100	N.D.
4-Chloroaniline.....	100	N.D.
2-Chloronaphthalene.....	100	N.D.
4-Chloro-3-methylphenol.....	100	N.D.
2-Chlorophenol.....	100	N.D.
4-Chlorophenyl phenyl ether.....	100	N.D.
Chrysene.....	100	N.D.
Dibenz(a,h)anthracene.....	100	N.D.
Dibenzofuran.....	100	N.D.
Di-N-butyl phthalate.....	500	N.D.
1,3-Dichlorobenzene.....	100	N.D.
1,4-Dichlorobenzene.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
3,3-Dichlorobenzidine.....	500	N.D.
2,4-Dichlorophenol.....	100	N.D.
Diethyl phthalate.....	100	N.D.
2,4-Dimethylphenol.....	100	N.D.
Dimethyl phthalate.....	100	N.D.
4,6-Dinitro-2-methylphenol.....	500	N.D.
2,4-Dinitrophenol.....	500	N.D.
2,4-Dinitrotoluene.....	100	N.D.
2,6-Dinitrotoluene.....	100	N.D.



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2025 Gateway Place, Suite 440
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Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Sample Descript: Soil, SP-7E,F,G,H comp
Analysis Method: EPA 8270
Lab Number: 3G49509

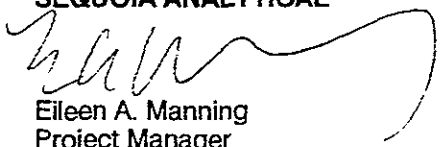
Sampled: Jul 12, 1993
Received: Jul 12, 1993
Extracted: Jul 12, 1993
Analyzed: Jul 13, 1993
Reported: Jul 14, 1993

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Di-N-octyl phthalate.....	100	N.D.
Fluoranthene.....	100	N.D.
Fluorene.....	100	N.D.
Hexachlorobenzene.....	100	N.D.
Hexachlorobutadiene.....	100	N.D.
Hexachlorocyclopentadiene.....	100	N.D.
Hexachloroethane.....	100	N.D.
Indeno(1,2,3-cd)pyrene.....	100	N.D.
Isophorone.....	100	N.D.
2-Methylnaphthalene.....	100	540
2-Methylphenol.....	100	N.D.
4-Methylphenol.....	100	N.D.
Naphthalene.....	100	540
2-Nitroaniline.....	500	N.D.
3-Nitroaniline.....	500	N.D.
4-Nitroaniline.....	500	N.D.
Nitrobenzene.....	100	N.D.
2-Nitrophenol.....	100	N.D.
4-Nitrophenol.....	500	N.D.
N-Nitrosodiphenylamine.....	100	N.D.
N-Nitroso-di-N-propylamine.....	100	N.D.
Pentachlorophenol.....	500	N.D.
Phenanthrene.....	100	N.D.
Phenol.....	100	N.D.
Pyrene.....	100	N.D.
1,2,4-Trichlorobenzene.....	100	N.D.
2,4,5-Trichlorophenol.....	500	N.D.
2,4,6-Trichlorophenol.....	100	N.D.

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

SEQUOIA ANALYTICAL


Eileen A. Manning
Project Manager



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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Mike Hurd	Client Project ID: 305-94.01/Shell, Castro Valley Matrix Descript: Soil Analysis Method: SM 5520 E&F (Gravimetric) First Sample #: 3G49501	Sampled: Jul 12, 1993 Received: Jul 12, 1993 Analyzed: Jul 8, 1993 Reported: Jul 14, 1993
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TOTAL RECOVERABLE PETROLEUM HYDROCARBONS

Sample Number	Sample Description	Oil & Grease mg/kg
3G49501	LWW-3, 12'	N.D.
3G49502	LWW-4, 12'	N.D.
3G49503	EF-17, 15'	N.D.
3G49504	EF-18, 15'	N.D.
3G49505	SP-7A,B,C,D comp	N.D.
3G49509	SP-7E,F,G,H comp	N.D.

Detection Limits: 50

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

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Eileen A. Manning
Project Manager

3G49501.PPP <10>



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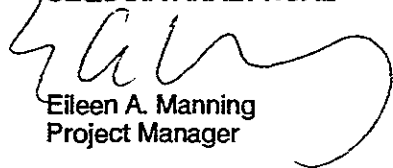
Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 12, 1993
2025 Gateway Place, Suite 440	Sample Descript: Soil, SP-7A,B,C,D comp	Received: Jul 12, 1993
San Jose, CA 95110	Lab Number: 3G49505	Analyzed: Jul 13, 1993
Attention: Mike Hurd		Reported: Jul 14, 1993

CORROSIVITY, IGNITABILITY, AND REACTIVITY

Analyte	Detection Limit	Sample Results
Corrosivity:		
pH.....	N.A.	8.1
Ignitability:		
Flashpoint (Shell Open Cup).....	N.A.	Negative
Reactivity:		
Sulfide, mg/kg.....	13	N.D.
Cyanide, mg/kg.....	0.50	N.D.
Reaction with water.....	N.A.	Negative

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

SEQUOIA ANALYTICAL



Eileen A. Manning
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 12, 1993
2025 Gateway Place, Suite 440	Sample Descript: Soil, SP-7E,F,G,H comp	Received: Jul 12, 1993
San Jose, CA 95110		Analyzed: Jul 13, 1993
Attention: Mike Hurd	Lab Number: 3G49509	Reported: Jul 14, 1993

CORROSIVITY, IGNITABILITY, AND REACTIVITY

Analyte	Detection Limit	Sample Results
Corrosivity:		
pH.....	N.A.	8.1
Ignitability:		
Flashpoint (Shell Open Cup).....	N.A.	Negative
Reactivity:		
Sulfide, mg/kg.....	13	N.D.
Cyanide, mg/kg.....	0.50	N.D.
Reaction with water.....	N.A.	Negative

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

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Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 12, 1993
2025 Gateway Place, Suite 440	Sample Descript: Soil, SP-7A,B,C,D comp	Received: Jul 12, 1993
San Jose, CA 95110		Extracted: Jul 15, 1993
Attention: Mike Hurd	Lab Number: 3G49505	Reported: Jul 16, 1993

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

Soluble Threshold Limit Concentration

Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC	Detection	Analysis	TTL	Detection	Analysis
	Max. Limit (mg/L)	Limit (mg/L)	Result (mg/L)	Max. Limit (mg/kg)	Limit (mg/kg)	Result (mg/kg)
Antimony	15	0.10	N.D.	500	5.0	-
Arsenic	5.0	0.10	N.D.	500	5.0	-
Barium	100	0.10	8.6	10,000	5.0	-
Beryllium	0.75	0.010	N.D.	75	0.50	-
Cadmium	1.0	0.010	N.D.	100	0.50	-
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium	560	0.010	0.047	2,500	0.50	-
Cobalt	80	0.050	0.39	8,000	2.5	-
Copper	25	0.010	0.28	2,500	0.50	-
Lead	5.0	0.10	0.12	1,000	5.0	-
Mercury	0.20	0.00040	N.D.	20	0.010	-
Molybdenum	350	0.050	N.D.	3,500	2.5	-
Nickel	20	0.050	0.28	2,000	2.5	-
Selenium	1.0	0.025*	N.D.	100	5.0	-
Silver	5.0	0.010	N.D.	500	0.50	-
Thallium	7.0	0.10	N.D.	700	5.0	-
Vanadium	24	0.050	0.28	2,400	2.5	-
Zinc	250	0.010	0.20	5,000	0.50	-
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTL results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.

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

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Please Note:
*Detection Limit raised due to matrix interferences.



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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Sample Descript: Soil, SP-7E,F,G,H comp
Lab Number: 3G49509

Sampled: Jul 12, 1993
Received: Jul 12, 1993
Extracted: Jul 15, 1993
Reported: Jul 16, 1993

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

Soluble Threshold Limit Concentration Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC	Detection	Analysis	TTL	Detection	Analysis
	Max. Limit (mg/L)	Limit (mg/L)	Result (mg/L)	Max. Limit (mg/kg)	Limit (mg/kg)	Result (mg/kg)
Antimony	15	0.10	N.D.	500	5.0	-
Arsenic	5.0	0.10	N.D.	500	5.0	-
Barium	100	0.10	8.8	10,000	5.0	-
Beryllium	0.75	0.010	N.D.	75	0.50	-
Cadmium	1.0	0.010	N.D.	100	0.50	-
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium	560	0.010	0.13	2,500	0.50	-
Cobalt	80	0.050	0.33	8,000	2.5	-
Copper	25	0.010	0.34	2,500	0.50	-
Lead	5.0	0.10	0.11	1,000	5.0	-
Mercury	0.20	0.00040	0.00067	20	0.010	-
Molybdenum	350	0.050	N.D.	3,500	2.5	-
Nickel	20	0.050	0.39	2,000	2.5	-
Selenium	1.0	0.025*	N.D.	100	5.0	-
Silver	5.0	0.010	N.D.	500	0.50	-
Thallium	7.0	0.10	N.D.	700	5.0	-
Vanadium	24	0.050	0.43	2,400	2.5	-
Zinc	250	0.010	0.33	5,000	0.50	-
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTL results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.
Analytes reported as N.D. were not present above the stated limit of detection.

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Matrix: Soil

QC Sample Group: 3G49501-04

Reported: Jul 16, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	Diesel
----------------	--------

Method: EPA 8015
Analyst: C. Lee
Conc. Spiked: 15
Units: mg/kg

LCS Batch#: DBLK070693

Date Prepared: 7/6/93
Date Analyzed: 7/7/93
Instrument I.D.#: GCHP-5 INJ. A

**LCS %
Recovery:** 67

Control Limits: 50-150

MS/MSD

Batch #: 3G08501

Date Prepared: 7/6/93
Date Analyzed: 7/7/93
Instrument I.D.#: GCHP-5 INJ. A


**Matrix Spike
% Recovery:** 0.0*

**Matrix Spike
Duplicate %
Recovery:** 0.0*

**Relative %
Difference:** 0.0*

*Matrix effect

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3G49501.PPP <15>



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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Matrix: Soil

QC Sample Group: 3G49501-06

Reported: Jul 16, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl-Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	R. Geckler	R. Geckler	R. Geckler	R. Geckler
Conc. Spiked:	0.20	0.20	0.20	0.60
Units:	mg/kg	mg/kg	mg/kg	mg/kg
LCS Batch#:	GBLK071293	GBLK071293	GBLK071293	GBLK071293
Date Prepared:	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:	7/12/93	7/12/93	7/12/93	7/12/93
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
LCS % Recovery:	105	100	110	110
Control Limits:	60-140	60-140	60-140	60-140

MS/MSD				
Batch #:	3G17011	3G17011	3G17011	3G17011
Date Prepared:	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:	7/12/93	7/12/93	7/12/93	7/12/93
Instrument I.D.#:	GCHP-1	GCHP-1	GCHP-1	GCHP-1
Matrix Spike % Recovery:	100	100	105	107
Matrix Spike Duplicate % Recovery:	100	100	105	102
Relative % Difference:	0.0	0.0	0.0	4.8

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San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Matrix: Soil

QC Sample Group: 3G49505-06

Reported: Jul 16, 1993

QUALITY CONTROL DATA REPORT

ANALYTE:	1,1-Dichloro-ethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Analyst:	S. Hoffmann	S. Hoffmann	S. Hoffmann	S. Hoffmann	S. Hoffmann
Conc. Spiked:	2500	2500	2500	2500	2500
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LCS Batch#:	VBLK071293	VBLK071293	VBLK071293	VBLK071293	VBLK071293
Date Prepared:	7/12/93	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:	7/12/93	7/12/93	7/12/93	7/12/93	7/12/93
Instrument I.D.#:	MSF-3	MSF-3	MSF-3	MSF-3	MSF-3
LCS % Recovery:	72	72	76	76	76
Control Limits:	59-172	62-137	66-142	59-139	60-133

MS/MSD	Batch #:	3G08501	3G08501	3G08501	3G08501	3G08501
Date Prepared:		7/12/93	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:		7/12/93	7/12/93	7/12/93	7/12/93	7/12/93
Instrument I.D.#:		MSF-3	MSF-3	MSF-3	MSF-3	MSF-3
Matrix Spike % Recovery:		80	84	84	88	88
Matrix Spike Duplicate % Recovery:		88	92	96	96	100
Relative % Difference:		9.5	9.1	13	8.7	13

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Client Project ID: 305-94.01/Shell, Castro Valley
Matrix: Soil

QC Sample Group: 3G49505-06

Reported: Jul 16, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	Phenol	2-Chlorophenol	1,4-Dichloro- benzene	N-Nitroso-Di- N-propylamine	1,2,4-Trichloro- benzene	4-Chloro-3- Methylphenol
Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	G. Meyer	G. Meyer	G. Meyer	G. Meyer	G. Meyer	G. Meyer
Conc. Spiked:	100	100	50	50	50	100 ^s
Units:	ng	ng	ng	ng	ng	ng
LCS Batch#:	BLK071293	BLK071293	BLK071293	BLK071293	BLK071293	BLK071293
Date Prepared:	7/12/93	7/12/93	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:	7/13/93	7/13/93	7/13/93	7/13/93	7/13/93	7/13/93
Instrument I.D.#:	F4	F4	F4	F4	F4	F4
LCS % Recovery:	85	86	76	98	84	79
Control Limits:	26-90	25-102	28-104	41-126	38-107	26-103

MS/MSD Batch #:	3G08501	3G08501	3G08501	3G08501	3G08501	3G08501
Date Prepared:	7/12/93	7/12/93	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:	7/13/93	7/13/93	7/13/93	7/13/93	7/13/93	7/13/93
Instrument I.D.#:	F4	F4	F4	F4	F4	F4
Matrix Spike % Recovery:	76	72	66	88	72	75
Matrix Spike Duplicate % Recovery:	60	65	56	70	64	61
Relative % Difference:	24	10	16	23	12	21

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Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Mike Hurd	Client Project ID: 305-94.01/Shell, Castro Valley Matrix: Soil QC Sample Group: 3G49505-06	Reported: Jul 16, 1993
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QUALITY CONTROL DATA REPORT

ANALYTE	Acenaphthene	4-Nitrophenol	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	G. Meyer	G. Meyer	G. Meyer	G. Meyer	G. Meyer
Conc. Spiked:	50	100	50	100	50
Units:	ng	ng	ng	ng	ng
LCS Batch#:	BLK071293	BLK071293	BLK071293	BLK071293	BLK071293
Date Prepared:	7/12/93	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:	7/13/93	7/13/93	7/13/93	7/13/93	7/13/93
Instrument I.D.#:	F4	F4	F4	F4	F4
LCS % Recovery:	82	83	78	104	104
Control Limits:	31-137	11-114	28-89	17-109	35-142

MS/MSD	3G08501	3G08501	3G08501	3G08501	3G08501
Batch #:	3G08501	3G08501	3G08501	3G08501	3G08501
Date Prepared:	7/12/93	7/12/93	7/12/93	7/12/93	7/12/93
Date Analyzed:	7/13/93	7/13/93	7/13/93	7/13/93	7/13/93
Instrument I.D.#:	F4	F4	F4	F4	F4
Matrix Spike % Recovery:	70	79	70	107	86
Matrix Spike Duplicate % Recovery:	60	76	60	94	74
Relative % Difference:	15	3.9	15	13	15

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Client Project ID: 305-94.01/Shell, Castro Valley
Matrix: Soil

QC Sample Group: 3G49501-06

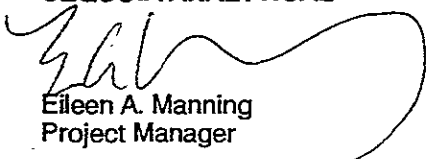
Reported: Jul 16, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	Total Recoverable
	Petroleum
	Hydrocarbons
Method:	SM 5520EF
Analyst:	M. Shkidt
Conc. Spiked:	1000
Units:	mg/kg
LCS Batch#:	BLK070893
Date Prepared:	7/8/93
Date Analyzed:	7/8/93
Instrument I.D.#:	N.A.
LCS % Recovery:	82
Control Limits:	70-110

MS/MSD	
Batch #:	3FD6612
Date Prepared:	7/8/93
Date Analyzed:	7/8/93
Instrument I.D.#:	N.A.
Matrix Spike % Recovery:	94
Matrix Spike Duplicate % Recovery:	91
Relative % Difference:	3.2

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3G49501.PPP <20>



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Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Matrix: Soil

QC Sample Group: 3G49505-06

Reported: Jul 16, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	pH	Reactive Cyanide	Ignitability	Reactive Sulfide
---------	----	------------------	--------------	------------------

Method:	EPA 9045	SW 846	Open Cup	EPA 9030
Analyst:	Y. Arteaga	A. Sawa	K. Follett	K. Follett
Units:	pH units	mg/kg	N.A.	mg/L
Date:	7/13/93	7/13/93	7/13/93	7/13/93

Sample #:	3G49509-12	3G49505-08 comp	3G49505-08 comp	3G49505-08 comp
Sample Concentration:	8.1	N.D.	Negative	N.D.
Sample Duplicate Concentration:	8.1	N.D.	Negative	N.D.
% RPD:	0.0	0.0	0.0	0.0
Control Limits:	0-30	±20	N.A.	±20

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Pacific Environmental Group
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San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Matrix: Liquid

QC Sample Group: 3G49505, 09

Reported: Jul 16, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	Beryllium	Cadmium	Chromium	Nickel
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Method:	EPA 200.7	EPA 200.7	EPA 200.7	EPA 200.7
Analyst:	M. Mistry	M. Mistry	M. Mistry	M. Mistry
Conc. Spiked:	1.0	1.0	1.0	1.0
Units:	mg/L	mg/L	mg/L	mg/L
LCS Batch#:	BLK071593	BLK071593	BLK071593	BLK071593
Date Prepared:	7/15/93	7/15/93	7/15/93	7/15/93
Date Analyzed:	7/16/93	7/16/93	7/16/93	7/16/93
Instrument I.D.#:	MTJA-2	MTJA-2	MTJA-2	MTJA-2
LCS % Recovery:	97	99	94	100
Control Limits:	75-125	75-125	75-125	75-125

MS/MSD Batch #:	3G21903	3G21903	3G21903	3G21903
Date Prepared:	7/15/93	7/15/93	7/15/93	7/15/93
Date Analyzed:	7/16/93	7/16/93	7/16/93	7/16/93
Instrument I.D.#:	MTJA-2	MTJA-2	MTJA-2	MTJA-2
Matrix Spike % Recovery:	95	97	92	95
Matrix Spike Duplicate % Recovery:	96	99	94	98
Relative % Difference:	1.0	2.0	2.2	3.1

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Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Matrix: Liquid

QC Sample Group: 3G49505, 09

Reported: Jul 16, 1993

QUALITY CONTROL DATA REPORT

ANALYTE	Mercury	Selenium
---------	---------	----------

Method:	EPA 245.1	EPA 270.2
Analyst:	A. McDonald	F. Contreras
Conc. Spiked:	0.0020	50
Units:	mg/L	µg/L
LCS Batch#:	BLK071693	BLK071593
Date Prepared:	7/16/93	7/15/93
Date Analyzed:	7/16/93	7/16/93
Instrument I.D.#:	MPE-2	MTJA-1
LCS % Recovery:	102	92
Control Limits:	90-110	75-125

MS/MSD Batch #:	3G35703	BLK071593
Date Prepared:	7/16/93	7/15/93
Date Analyzed:	7/16/93	7/16/93
Instrument I.D.#:	MPE-2	MTJA-1
Matrix Spike % Recovery:	80	50
Matrix Spike Duplicate % Recovery:	82	26
Relative % Difference:	2.5	63

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EAM
Eileen A. Manning
Project Manager

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Site Address:
 2724 Castro Valley Blvd, Castro Valley

WIC#: 204-1381-0407

Shell Engineer: Randy Orłowski
 Phone No: 714 520-3395
 Fax #: 520-3312

Consultant Name & Address:
 PACIFIC ENVIRONMENTAL GROUP, INC.
 2025 GATEWAY PLACE, Ste. 440 SAN JOSE, CALIFORNIA 95110

Consultant Contact: Mike Hurd
 Phone No.: 408 441-7500
 Fax #: 441-7539

Comments:

Sampled by: Charles Melancon

Printed Name: Charles Melancon

Analysis Required

LAB: Sequoia

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
					5520 ERF				

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
G.W. Monitoring <input type="checkbox"/>	4461	24 hours <input checked="" type="checkbox"/>
Site Investigation <input checked="" type="checkbox"/>	4441	48 hours <input type="checkbox"/>
Soil Classify/Disposal <input 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 confs.	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
																	UST/Soil 1	9307495
LWW-3, 12'	7/12/93		X			1		X				X	X					
LWW-4, 12'						1												
EF-17, 15'						1												
EF-18, 15'						1												

Relinquished By (signature): <u>Charles Melancon</u>	Printed Name: Charles Melancon	Date: 7-12-93 Time: 3:00	Received (signature): <u>M. Doden</u>	Printed Name: M. Doden	Date: 7/12/93 Time: 15:30
Relinquished By (signature): <u>M. Doden</u>	Printed Name: M. Doden	Date: 7/12/93 Time: 16:35	Received (signature): <u>L. Arnold</u>	Printed Name: L. Arnold	Date: 7/12/93 Time: 16:35

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



Site Address:
 2724 Castro Valley Blvd, Castro Valley

WIC#: 204-1381-0407

Shell Engineer: Randy Orłowski
 Phone No.: 714 520-3395
 Fax #: 520-3312

Consultant Name & Address:
 PACIFIC ENVIRONMENTAL GROUP, INC.
 2025 GATEWAY PLACE, Ste. 440 SAN JOSE, CALIFORNIA 95110

Consultant Contact: Mike Hurd
 Phone No.: 408 441-7500
 Fax #: 441-7539

Comments:

Sampled by: Charles Melancon

Printed Name: Charles Melancon

Analysis Required

TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal 5520 ERF	Combination TPH 8015 & BTEX 8020	ACI	8270	Aldehydes STLC CAM 17	Chlorides STLC / Pb	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 checked="" type="checkbox"/> CM
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 at 24/48 hrs TAT.

9307495

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	ACI	8270	Aldehydes	Chlorides	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
																			UST/Spoils	Composite	
SP-7A	7/1/93		X			1	X			X	X		X	X	X	X			UST/Spoils	Composite	
SP-7B						1															
SP-7C						1															
SP-7D						1															
SP-7E			X			1	X			X	X		X	X	X	X			UST/Spoils	Composite	
SP-7F						1															
SP-7G						1															
SP-7H						1															

Relinquished By (signature): <i>Charles Melancon</i>	Printed Name: Charles Melancon	Date: 7-2-93 Time: 3:00	Received (signature): <i>M. Doden</i>	Printed Name: M. Doden	Date: 7/12/93 Time: 15:30
Relinquished By (signature): <i>M. Doden</i>	Printed Name: M. Doden	Date: 7/12/93 Time: 16:30	Received (signature): <i>S. Arnold</i>	Printed Name: S. Arnold	Date: 7/12/93 Time: 16:35
Relinquished By (signature): _____	Printed Name: _____	Date: _____ Time: _____	Received (signature): _____	Printed Name: _____	Date: _____ Time: _____

SP-7

**DISPOSAL
CONFIRMATION
GRADIENT CONSTRUCTION, INC.**

Client: 305 9401
Project #: SMU
Staton #: _____
Site Address: 2724 Castro Valley
City/State: Castro Valley
Notify Date: 7-22
Drum #:CY (2)
Geologist: Charles
Disposal Facility: B & J
Disposal Date: 7-23-93
Disposal Cost: _____
Contact: _____
Phone #: _____
Fax #: _____
Hauler: Gradient Construction, Inc.
Contact: Brian Wetzsteon
Phone #: (408) 984-6536
Fax #: (408) 243-3911



PACIFIC ENVIRONMENTAL GROUP INC.

SP-6

FACSIMILE TRANSMITTAL

DATE: 7.19.93

PROJ. # 305-94.01

TO: Dave

FAX:

BFI

FROM: Rhonda

Removed
See attached

IF YOU HAVE ANY PROBLEMS RECEIVING THIS FACSIMILE, PLEASE CALL (408) 441-7500

SHEETS TO FOLLOW COVER PAGE

14

COMMENTS: Attached are data to A.D. in profiling spoils Pite "6". Please call w/any questions.

M
R



BROWNING-FERRIS INDUSTRIES

FCR SP-6

WCD No. SS 57766

CA 405, 0720, 9357, 766
BFI WASTE CODE

WASTE EVALUATION REQUEST

BFI to complete this area

BFI Initiator _____
Location _____
Company Number _____ Date _____
Telephone Number (_____) _____
Action Requested: RCI - 24 Hour Response
 RCI, TCLP - 5 Day Response
 Other _____

Disposal Method Requested: Working Face Daily Cover
 Other _____
Disposal Site Requested _____
Company Number _____ P.O. Number _____
Analyses Requested: TCLP RCI Oil Sheen
 TPH BTEX PCBs Other _____
Analyses To Follow: TCLP Other _____

WASTE CHARACTERIZATION DATA
UST Contaminated Soils

IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESENTATIVE OF THE PARTY RESPONSIBLE FOR THE STORAGE TANK OR BY A REPRESENTATIVE OF THE PARTY TO BE INVOICED FOR DISPOSAL, IF DIFFERENT. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. SINCE THIS FORM HAS BEEN ASSIGNED A UNIQUE WCD NUMBER, IT IS TO BE USED ONLY ONE TIME.

INSTRUCTIONS: This form is to be used only to describe contaminated soils that are not designated as hazardous waste by the USEPA offered to BFI for disposal resulting from the removal of underground storage tanks (UST) once containing gasoline, diesel fuel, heating oil or vehicle drain oil from non-industrialized areas such as service stations, automobile dealerships, residences and transport terminals. This form is not intended to be utilized to describe storage tanks and associated piping. If the waste is not described in Section 2a, then the BFI Special Waste Characterization Data (WCD) form must be used to identify the waste. This form must be typewritten or legibly printed in ink, and signed. Do not alter the content of this form.

1. GENERATOR INFORMATION

a) Generator's Name: Shell Oil Co.
b) Generating Facility Address: 2124 Castro Valley Bl.
City: Castro Valley State: ca Zip: _____
c) Company Representative: Rhonda
Title: Suff Tech Company: PACIFIC ENV. GROUP
d) Emergency Contact: same
Title _____

e) Customer's Name: Gradient Construction
f) Customer's Address: 2025 Gateway Pl. #440
City: San Jose State: ca Zip: _____
g) Telephone No. (408) 441-7500
After Hours No. () same
Emergency No. () _____

2. GENERAL WASTE STREAM INFORMATION

a) Description of The Waste:
1) Soil contaminated with leaded gasoline
2) Soil contaminated with unleaded gasoline
3) Soil contaminated with diesel fuel
4) Soil contaminated with heating oil
5) Soil contaminated with vehicle drain oil
b) Type of facility generating the waste soil: Service Station
c) Anticipated Volume: 30 Tons Cubic Yards Other _____
d) Is this a "Hazardous Waste" as defined by State or local Regulations? Yes No
If yes, enter the Waste Identification Number, if one has been assigned: _____
e) Is this a "Special Waste", an "Industrial Process Waste", or a "Pollution Control Waste" as defined by State or local Regulations?
 Yes No If yes, enter the Waste Identification Number, if one has been assigned: _____
f) Is this waste subject to the UST corrective action regulations under 40 CFR 280? Yes No
g) Recommended personal protective equipment and special handling procedures: Level D
h) Has a representative sample of the contaminated soil been provided to BFI for testing and evaluation? Yes No. If yes, complete the Representative Sample Certificate below.

/ / /
BFI WASTE CODE

3. THIS WASTE CONTAINS

Note if the waste contains any of the following:

Do not check those identified with (*) if otherwise specified in Section 2.

- | | | | |
|---------------------------------------|--|---|---|
| <input type="checkbox"/> Free Liquids | <input type="checkbox"/> Dioxins | <input type="checkbox"/> Etiological Agents | <input type="checkbox"/> Radioactive Materials |
| <input type="checkbox"/> Free Cyanide | <input type="checkbox"/> Organic Solvents | <input type="checkbox"/> Pathogens | <input type="checkbox"/> PCBs not regulated by |
| <input type="checkbox"/> Free Sulfide | <input type="checkbox"/> Used or Waste Oils* | <input type="checkbox"/> OSHA Substances | TSCA 40 CFR 761 |
| <input type="checkbox"/> Free Ammonia | <input type="checkbox"/> Virgin Oils* | <input type="checkbox"/> Biological Materials | <input checked="" type="checkbox"/> None of the above |

If any of the above are checked, specify type (if applicable) and concentration in the waste: _____

4. SUPPLEMENTAL INFORMATION

- | | | | | |
|---|-------------------------------------|------------------------------------|---|---|
| <input type="checkbox"/> None | <input type="checkbox"/> MSD Sheets | <input type="checkbox"/> TCLP Data | <input type="checkbox"/> Additional Analytical Data | <input checked="" type="checkbox"/> Memo/Letter |
| <input type="checkbox"/> Other - describe _____ | | | | No. of Pages _____ |

5. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, that all known or suspected hazards have been disclosed, and that the waste is not designated a Hazardous Waste by the USEPA or contains PCBs regulated by TSCA 40 CFR 761.

GENERATOR'S AUTHORIZED SIGNATORY:

7-19-93 R. BARRICK *AS Agent for Shell* Rhonda Parrick Staff Tech RB
DATE PRINT NAME SIGNATURE TITLE INITIALS

REPRESENTATIVE SAMPLE CERTIFICATE

This Section is to be completed by the person obtaining the sample of the above described waste, preferably a representative of the generator. DO NOT COLLECT OR SUBMIT SAMPLES THAT ARE RADIOACTIVE, SHOCK SENSITIVE, EXPLOSIVE, OR PYROPHORIC.

I certify that the sample identified below that is being forwarded to BFI for evaluation is representative of the waste described above.

Collector's Name: _____

(Peel Off Label)

Signature: _____

Company: _____

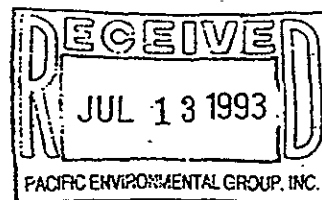
Title: _____

Telephone Number: () _____



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233



Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Project: 305-94.01/Shell, Castro Valley

Enclosed are the results from 4 soil samples received at Sequoia Analytical on July 2, 1993. The requested analyses are listed below:

SAMPLE #	SAMPLE DESCRIPTION	DATE OF COLLECTION	TEST METHOD
3G08001	Soil, SP-5A to 5D comp	7/2/93	Corrosivity, Reactivity, & Ignitability EPA 5030/8015 EPA 8240 EPA 8270 SM 5520 E&F (Gravimetric) STLC CAM 17 Metals
3G08002	Soil, SP-5E to 5H comp	7/2/93	Corrosivity, Reactivity, & Ignitability EPA 5030/8015 EPA 8240 EPA 8270 SM 5520 E&F (Gravimetric) STLC CAM 17 Metals
3G08003	Soil, SP-4E to 4H comp	7/2/93	Corrosivity, Reactivity, & Ignitability EPA 5030/8015 EPA 8240 EPA 8270 SM 5520 E&F (Gravimetric) STLC CAM 17 Metals
3G08004	Soil, SP-6A to 6D comp	7/2/93	Corrosivity, Reactivity, & Ignitability EPA 5030/8015 EPA 8240 EPA 8270 SM 5520 E&F (Gravimetric) STLC CAM 17 Metals

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


Eileen A. Manning
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled:	Jul 2, 1993
2025 Gateway Place, Suite 440	Sample Matrix: Soil	Received:	Jul 2, 1993
San Jose, CA 95110	Analysis Method: EPA 5030/8015	Reported:	Jul 8, 1993
Attention: Mike Hurd	First Sample #: 3G08001		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 3G08001 SP-5A to 5D	Sample I.D. 3G08002 SP-5E to 5H	Sample I.D. 3G08003 SP-4E to 4H	Sample I.D. 3G08004 SP-6A to 6D
		comp	comp	comp	comp
Purgeable Hydrocarbons	1.0	410	140	38	N.D.
Chromatogram Pattern:		Non-gas > C8	Non-gas > C8	Non-gas > C8	--

Quality Control Data

Report Limit				
Multiplication Factor:	20	50	20	1.0
Date Analyzed:	7/7/93	7/7/93	7/7/93	7/6/93
Instrument Identification:	GCHP-7	GCHP-7	GCHP-7	GCHP-18
Surrogate Recovery: (QC Limits = 70-130%)	98	96	91	102

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Eileen A. Manning
Project Manager



SEQUOIA ANALYTICAL

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(415) 364-9600 • FAX (415) 364-9233

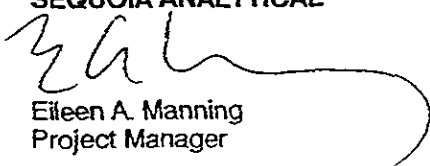
Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 2, 1993
2025 Gateway Place, Suite 440	Sample Descript: Soil, SP-6A to 6D comp	Received: Jul 2, 1993
San Jose, CA 95110	Analysis Method: EPA 8240	Analyzed: Jul 7, 1993
Attention: Mike Hurd	Lab Number: 3G08004	Reported: Jul 8, 1993

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acetone.....	500	N.D.
Benzene.....	100	N.D.
Bromodichloromethane.....	100	N.D.
Bromoform.....	100	N.D.
Bromomethane.....	100	N.D.
2-Butanone.....	500	N.D.
Carbon disulfide.....	100	N.D.
Carbon tetrachloride.....	100	N.D.
Chlorobenzene.....	100	N.D.
Chloroethane.....	100	N.D.
2-Chloroethyl vinyl ether.....	500	N.D.
Chloroform.....	100	N.D.
Chloromethane.....	100	N.D.
Dibromochloromethane.....	100	N.D.
1,1-Dichloroethane.....	100	N.D.
1,2-Dichloroethane.....	100	N.D.
1,1-Dichloroethene.....	100	N.D.
cis-1,2-Dichloroethene.....	100	N.D.
trans-1,2-Dichloroethene.....	100	N.D.
1,2-Dichloropropane.....	100	N.D.
cis-1,3-Dichloropropene.....	100	N.D.
trans-1,3-Dichloropropene.....	100	N.D.
Ethylbenzene.....	100	N.D.
2-Hexanone.....	500	N.D.
Methylene chloride.....	250	N.D.
4-Methyl-2-pentanone.....	500	N.D.
Styrene.....	100	N.D.
1,1,2,2-Tetrachloroethane.....	100	N.D.
Tetrachloroethene.....	100	N.D.
Toluene.....	100	N.D.
1,1,1-Trichloroethane.....	100	N.D.
1,1,2-Trichloroethane.....	100	N.D.
Trichloroethene.....	100	N.D.
Trichlorofluoromethane.....	100	N.D.
Vinyl acetate.....	100	N.D.
Vinyl chloride.....	100	N.D.
Total Xylenes.....	100	N.D.

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

SEQUOIA ANALYTICAL



Eileen A. Manning
Project Manager



SEQUOIA ANALYTICAL

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(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 2, 1993
2025 Gateway Place, Suite 440	Sample Descript: Soil, SP-6A to 6D comp	Received: Jul 2, 1993
San Jose, CA 95110	Analysis Method: EPA 8270	Extracted: Jul 6, 1993
Attention: Mike Hurd	Lab Number: 3G08004	Analyzed: Jul 6, 1993
		Reported: Jul 8, 1993

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene.....	100	N.D.
Acenaphthylene.....	100	N.D.
Anthracene.....	100	N.D.
Benzoic Acid.....	500	N.D.
Benzo(a)anthracene.....	100	N.D.
Benzo(b)fluoranthene.....	100	N.D.
Benzo(k)fluoranthene.....	100	N.D.
Benzo(g,h,i)perylene.....	100	N.D.
Benzo(a)pyrene.....	100	N.D.
Benzyl alcohol.....	100	N.D.
Bis(2-chloroethoxy)methane.....	100	N.D.
Bis(2-chloroethyl)ether.....	100	N.D.
Bis(2-chloroisopropyl)ether.....	100	N.D.
Bis(2-ethylhexyl)phthalate.....	500	N.D.
4-Bromophenyl phenyl ether.....	100	N.D.
Butyl benzyl phthalate.....	100	N.D.
4-Chloroaniline.....	100	N.D.
2-Chloronaphthalene.....	100	N.D.
4-Chloro-3-methylphenol.....	100	N.D.
2-Chlorophenol.....	100	N.D.
4-Chlorophenyl phenyl ether.....	100	N.D.
Chrysene.....	100	N.D.
Dibenz(a,h)anthracene.....	100	N.D.
Dibenzofuran.....	100	N.D.
Di-N-butyl phthalate.....	500	N.D.
1,3-Dichlorobenzene.....	100	N.D.
1,4-Dichlorobenzene.....	100	N.D.
1,2-Dichlorobenzene.....	100	N.D.
3,3-Dichlorobenzidine.....	500	N.D.
2,4-Dichlorophenol.....	100	N.D.
Diethyl phthalate.....	100	N.D.
2,4-Dimethylphenol.....	100	N.D.
Dimethyl phthalate.....	100	N.D.
4,6-Dinitro-2-methylphenol.....	500	N.D.
2,4-Dinitrophenol.....	500	N.D.



SEQUOIA ANALYTICAL

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Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 2, 1993
2025 Gateway Place, Suite 440	Sample Descript: Soil, SP-6A to 6D comp	Received: Jul 2, 1993
San Jose, CA 95110	Analysis Method: EPA 8270	Extracted: Jul 6, 1993
Attention: Mike Hurd	Lab Number: 3G08004	Analyzed: Jul 6, 1993
		Reported: Jul 8, 1993

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
2,4-Dinitrotoluene.....	100	N.D.
2,6-Dinitrotoluene.....	100	N.D.
Di-N-octyl phthalate.....	100	N.D.
Fluoranthene.....	100	N.D.
Fluorene.....	100	N.D.
Hexachlorobenzene.....	100	N.D.
Hexachlorobutadiene.....	100	N.D.
Hexachlorocyclopentadiene.....	100	N.D.
Hexachloroethane.....	100	N.D.
Indeno(1,2,3-cd)pyrene.....	100	N.D.
Isophorone.....	100	N.D.
2-Methylnaphthalene.....	100	N.D.
2-Methylphenol.....	100	N.D.
4-Methylphenol.....	100	N.D.
Naphthalene.....	100	N.D.
2-Nitroaniline.....	500	N.D.
3-Nitroaniline.....	500	N.D.
4-Nitroaniline.....	500	N.D.
Nitrobenzene.....	100	N.D.
2-Nitrophenol.....	100	N.D.
4-Nitrophenol.....	500	N.D.
N-Nitrosodiphenylamine.....	100	N.D.
N-Nitroso-di-N-propylamine.....	100	N.D.
Pentachlorophenol.....	500	N.D.
Phenanthrene.....	100	N.D.
Phenol.....	100	N.D.
Pyrene.....	100	N.D.
1,2,4-Trichlorobenzene.....	100	N.D.
2,4,5-Trichlorophenol.....	500	N.D.
2,4,6-Trichlorophenol.....	100	N.D.

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

SEQUOIA ANALYTICAL


Eileen A. Manning
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group	Client Project ID: 305-94.01/Shell, Castro Valley	Sampled: Jul 2, 1993
2025 Gateway Place, Suite 440	Matrix Descript: Soil	Received: Jul 2, 1993
San Jose, CA 95110	Analysis Method: SM 5520 E&F (Gravimetric)	Extracted: Jul 7, 1993
Attention: Mike Hurd	First Sample #: 3G08001	Analyzed: Jul 7, 1993
		Reported: Jul 8, 1993

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/kg
3G08001	SP-5A to 5D comp	120
3G08002	SP-5E to 5H comp	51
3G08003	SP-4E to 4H comp	1,700
3G08004	SP-6A to 6D comp	N.D.

Detection Limits:

50

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

SEQUOIA ANALYTICAL


Eileen A. Manning
Project Manager

3G08001.PPP <14>



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group
2025 Gateway Place, Suite 440
San Jose, CA 95110
Attention: Mike Hurd

Client Project ID: 305-94.01/Shell, Castro Valley
Sample Descript: Soil, SP-6A to 6D comp
Lab Number: 3G08004

Sampled: Jul 2, 1993
Received: Jul 2, 1993
Analyzed: Jul 3, 7, 1993
Reported: Jul 8, 1993

CORROSIVITY, IGNITABILITY, AND REACTIVITY

Analyte	Detection Limit	Sample Results
Corrosivity:		
pH.....	N.A.	7.1
Ignitability:		
Flashpoint (Shell Open Cup)	N.A.	Negative
Reactivity:		
Sulfide, mg/kg.....	13	N.D.
Cyanide, mg/kg.....	0.50	N.D.
Reaction with water.....	N.A.	Negative

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

SEQUOIA ANALYTICAL


Eileen A. Manning
Project Manager



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233

Pacific Environmental Group 2025 Gateway Place, Suite 440 San Jose, CA 95110 Attention: Mike Hurd	Client Project ID: 305-94.01/Shell, Castro Valley Sample Descript: Soil, SP-6A to 6D comp Lab Number: 3G08004	Sampled: Jul 2, 1993 Received: Jul 2, 1993 Extracted: Jul 8, 1993 Reported: Jul 12, 1993
--	---	---

INORGANIC PERSISTENT AND BIOACCUMULATIVE TOXIC SUBSTANCES

Soluble Threshold Limit Concentration
Waste Extraction Test

Total Threshold Limit Concentration

Analyte	STLC Max. Limit (mg/L)	Detection Limit (mg/L)	Analysis Result (mg/L)	TTL Max. Limit (mg/kg)	Detection Limit (mg/kg)	Analysis Result (mg/kg)
Antimony	15	0.10	N.D.	500	5.0	-
Arsenic	5.0	0.10	N.D.	500	5.0	-
Barium	100	0.10	8.6	10,000	5.0	-
Beryllium	0.75	0.010	0.011	75	0.50	-
Cadmium	1.0	0.010	N.D.	100	0.50	-
Chromium (VI)	5.0	0.0050	-	500	0.050	-
Chromium	560	0.010	0.11	2,500	0.50	-
Cobalt	80	0.050	0.46	8,000	2.5	-
Copper	25	0.010	0.22	2,500	0.50	-
Lead	5.0	0.10	0.13	1,000	5.0	-
Mercury	0.20	0.00020	N.D.	20	0.010	-
Molybdenum	350	0.050	N.D.	3,500	2.5	-
Nickel	20	0.050	0.74	2,000	2.5	-
Selenium	1.0	0.040	N.D.	100	5.0	-
Silver	5.0	0.010	N.D.	500	0.50	-
Thallium	7.0	0.10	N.D.	700	5.0	-
Vanadium	24	0.050	0.61	2,400	2.5	-
Zinc	250	0.010	0.38	5,000	0.50	-
Asbestos	-	10	-	10,000	100	-
Fluoride	180	0.10	-	18,000	1.0	-

TTL results are reported as mg/kg of wet weight. Asbestos results are reported as fibers/g.
Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL


Eileen A. Manning
Project Manager



Site Address: **2724 Castro Valley Blvd, Castro Valley**

WIC#: **204-1381-0407**

Shell Engineer: **Randy Orlowski**
 Phone No: **714 520-3395**
 Fax #: **520-3469**

Consultant Name & Address:
PACIFIC ENVIRONMENTAL GROUP, INC.
2025 GATEWAY PLACE, Ste. 440 SAN JOSE, CALIFORNIA 95110

Consultant Contact: **Mike Hurd**
 Phone No.: **408 441-7500**
 Fax #: **441-7539**

Comments:

Sampled by: **Charles Melancon**

Printed Name: **Charles Melancon**

Analysis Required

LAB: **Sequoia**

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	SS20 ERF	Asbestos	Container Size	Preparation Used	Composite Y/N
-------------------------	----------------------------	---------------------	------------------------------	-------------------	----------------------------------	----------	----------	----------------	------------------	---------------

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

UST AGENCY: _____

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	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	SS20 ERF	Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
EF-14, 6"	7/2/93		X			1	X	X				X	X						UST/Soil	
EF-15, 6"	↓		X			1	X					X	X						↓	

Relinquished By (signature): Charles Melancon	Printed Name: Charles Melancon	Date: 7-2-93 Time: 12:30	Received (signature):	Printed Name:	Date:
Relinquished By (signature):	Printed Name:	Date:	Received (signature):	Printed Name:	Date:
Relinquished By (signature):	Printed Name:	Date:	Received (signature):	Printed Name:	Date:

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



Site Address: 2724 Castro Valley Blvd, Castro Valley
 WIC#: 204-1381-0407
 Shell Engineer: Randy Orlowski Phone No.: 714 520-3365
 Fax #: 520-3469
 Consultant Name & Address: PACIFIC ENVIRONMENTAL GROUP, INC.
2025 GATEWAY PLACE, Ste. 440 SAN JOSE, CALIFORNIA 95110
 Consultant Contact: Mike Hurd Phone No.: 408 441-7500
 Fax #: 441-7539
 Comments:

Analysis Required

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 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"/>	4463	
Other <input type="checkbox"/>		

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

Sampled by: Charles Melancon
 Printed Name: Charles Melancon

UST AGENCY: _____

Sample ID	Date	Sludge	Soil	Water	Air	No. of confs.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Residuals <u>5520 E&F</u>	Combination TPH 8015 & BTEX 8020	<u>SRCZ</u>	<u>8270</u>	Asbestos <u>STLC/Pb</u>	Condenser Size <u>STLC Com 17</u>	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
																			Soil/Spoils	Composite	
SP-5A	<u>7/19/93</u>		X				X		X	X	X	X	X	X	X	X	X	Y	Soil/Spoils	Composite	
SP-5B																					
SP-5C																					
SP-5D																					
SP-5E																			Y	Soil/Spoils	Composite
SP-5F																					
SP-5G																					
SP-5H																					

Relinquished By (signature): <u>Charles Melancon</u>	Printed Name: <u>Charles Melancon</u>	Date: <u>7-2-93</u> Time: <u>12:30</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): _____	Printed Name: _____	Date: _____ Time: _____

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



SHELL OIL COMPANY 305-94.01
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD

Serial No: _____

Date: 7-2-93

Page 3 of 3

Site Address:
204-1381-0407

WIC#:
204-1381-0407

Shell Engineer:
Randy Orlowski Phone No.: 520-3345
520-3345 Fax #: 520-3469

Consultant Name & Address:
 PACIFIC ENVIRONMENTAL GROUP, INC.
 2025 GATEWAY PLACE, Ste. 440 SAN JOSE, CALIFORNIA 95110

Consultant Contact:
Mike Hurd Phone No.: 408
 441-7500 Fax #: 441-7539

Comments:

Analysis Required

LAB: Sequia

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
G.W. Monitoring <input type="checkbox"/>	4461	24 hour <input type="checkbox"/>
Site Investigation <input type="checkbox"/>	4441	48 hour <input checked="" type="checkbox"/>
Soil Classify/Disposal <input checked="" type="checkbox"/>	4442	15 days <input type="checkbox"/> (Hormo)
Water Classify/Disposal <input type="checkbox"/>	4443	Other <input type="checkbox"/>
Soil/Air Rem. or Syst. O & M <input type="checkbox"/>	4452	NOTE: Notify Lab as soon as Possible of 24/48 hrs. TAT.
Water Rem. or Syst. O & M <input type="checkbox"/>	4453	
Other <input type="checkbox"/>		

Sampled by: Charles Melancon
 Printed Name: Charles Melancon

UST AGENCY: _____

Sample ID	Date	Sludge	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Total Disposal <u>5520 FAF</u>	Combination TPH 8015 & BTEX 8020	ACI	8270	Ases for STLZ CAM 17	Container Size STLZ/176	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS	
																			Soil/Spills	Composite	
SP-4 E	7/2/93		X			1	X			X	X	X	X	X	X	X	X	X	Soil/Spills	Composite	
SP-4 F																					Composite
SP-4 G																					
SP-4 H																				Composite	
SP-6 A			X			1													Soil/Spills		Composite
SP-6 B																				Composite	
SP-6 C																					
SP-6 D																					

Relinquished By (signature): <u>Charles Melancon</u>	Printed Name: <u>Charles Melancon</u>	Date: <u>7-2-93</u> Time: <u>12:30</u>	Received (signature):	Printed Name:	Date:
Relinquished By (signature):	Printed Name:	Date:	Received (signature):	Printed Name:	Date:
Relinquished By (signature):	Printed Name:	Date:	Received (signature):	Printed Name:	Date:

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

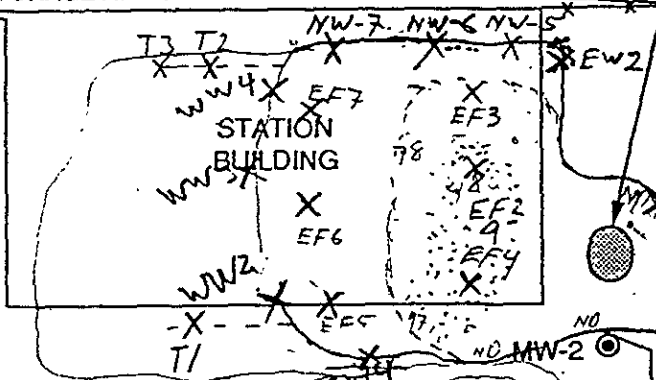
305-9401

→ waste oil
→ 150/12

BOBODY SHOP

FORMER WASTE OIL TANK LOCATION

STORAGE AREA



STORAGE

OMW-6

PARKING LOT

COMMERCIAL BUILDING

MW-7

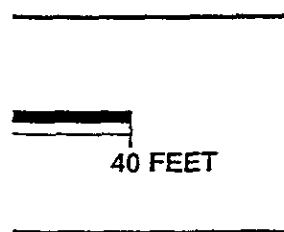
MW-1

OMW-8

SIDEWALK

ASTRO VALLEY BOULEVARD

V-9



FORMER SHELL SERVICE STATION
 2724 Castro Valley Boulevard at Lake Chabot Road,
 Castro Valley, California

PROPOSED GROUNDWATER MONITORING WELL LOCATION

SP-10 BFI

**DISPOSAL
CONFIRMATION
GRADIENT CONSTRUCTION, INC.**

Client: Shell
Project #: 305 94 .01
Station #: _____
Site Address: 2724 Castro Valley Bl
City/State: Castro Valley
Notify Date: 7-22

Drum #:CY _____
Geologist: _____
Disposal Facility: BFI
Disposal Date: 7-23-93
Disposal Cost: _____
Contact: _____
Phone #: _____
Fax #: _____
Hauler: Gradient Construction, Inc.
Contact: Brian Wetzsteon
Phone #: (408) 984-6536
Fax #: (408) 243-3911