



CHIPS
Environmental
Consultants, Inc.

80 Swan Way
Room 200

718 E. Evelyn Avenue
Sunnyvale, CA 94086

(408)736-1380

December 13, 1989

DSK6 Q707.DOC

Jack Quarle and Associates
5835 Doyle Street
Emeryville, California 94608

89DEC21 PM 2:58

Attention: Jack Quarle

RE: Soil Samples at Power Block
5812 Hollis Street, Emeryville, California.

Dear Mr. Quarle:

Attached is the analytical report for the six soil samples and one water sample that we recovered from the subject facility on 12-5-89. The samples were taken at the locations and depths indicated on the attached map.

Soil samples were taken in accordance to approved methodology at locations and depths designated by Mr. Dennis Byrne of the Alameda County Department of Health Services. Soil was removed from the excavation by use of a backhoe. Samples were collected in zero headspace brass tubes which were covered with aluminum foil, capped and taped. Samples were then logged and chilled for transport to our laboratory. Full chain of custody was maintained, and remains on file.

Sample #3147 was a water sample collected from standing water in the excavation after tank removal. Some scum was noted. Sample #3146 was a 4x composite of the main excavated soil pile.

If you have any questions regarding this report, please feel free to contact us at your convenience.

Sincerely,



Kip Porter



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 Emeryville, California 94608

Attention: Jack Quarle

RE: Soil analysis, Power Block

REPORT OF ANALYTICAL RESULTS
Cal DHS Certification # 252

Sample Description: Water Sample

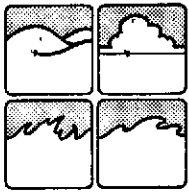
Sample Integrity: Received sealed & Chilled w/ zero headspace

Sample ID: 003147
 Date Sampled: 12-5-89
 Date Received: 12-5-89
 Date Analyzed: 12-7-89

CECI ID: 003147
 CECI Project #: 707

Method	Concentration	Milligrams per Liter (PPM)	Det. Limit
DHS TPH as Diesel	90		1.0
EPA 8015 & 8020 Purge & Trap DHS TPH as Gasoline	2.3		0.005
Benzene	0.1		0.005
Toluene	0.2		0.005
Ethyl Benzene	0.04		0.005
Xylenes	0.31		0.005

Mark Chips: _____
 Laboratory Director



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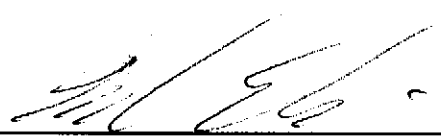
Sample Description: Soil Sample

Sample Integrity: Received sealed & Chilled w/ zero
headspace

Sample ID: 003148
Date Sampled: 12-5-89
Date Received: 12-5-89
Date Analyzed: 12-7-89

CECI ID: 003148
CECI Project #: 707

Method	Concentration Milligrams per Kilogram (PPM)	Det. Limit
DHS TPH as Diesel	3.4	1.0
EPA & 8020 Purge & Trap		
Benzene	ND	0.05
Toluene	ND	0.05
Ethyl Benzene	ND	0.05
Xylenes	ND	0.05

Mark Chips: 
Laboratory Director

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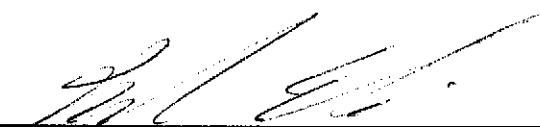
REPORT OF ANALYTICAL RESULTS
Cal DHS Certification # 252

Sample Description: Soil Sample

Sample Integrity: Received sealed & Chilled w/ zero
headspace

Sample ID: 003149	CECI ID: 003149
Date Sampled: 12-5-89	CECI Project #: 707
Date Received: 12-5-89	
Date Analyzed: 12-7-89	

Method	Concentration Milligrams per Kilogram (PPM)	Det. Limit
DHS TPH as Diesel	3.5	1.0
EPA 8015 & 8020 Purge & Trap DHS TPH as Gasoline	0.25	0.05
Benzene	ND	0.05
Toluene	ND	0.05
Ethyl Benzene	ND	0.05
Xylenes	ND	0.05

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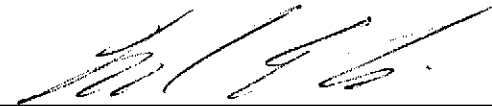
REPORT OF ANALYTICAL RESULTS Cal DHS Certification # 252

Sample Description: Soil Sample

Sample Integrity: Received sealed & Chilled w/ zero
headspace

Sample ID: 003150	CECI ID: 003150
Date Sampled: 12-5-89	CECI Project #: 707
Date Received: 12-5-89	
Date Analyzed: 12-7-89	

Method	Concentration	Milligrams per Kilogram (PPM)	Det. Limit
DHS TPH as Diesel	23		1.0
EPA 8015 & 8020 Purge & Trap DHS TPH as Gasoline	ND		
Benzene	ND		0.05
Toluene	ND		0.05
Ethyl Benzene	ND		0.05
Xylenes	ND		0.05

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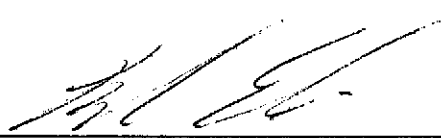
Sample Description: Soil Sample

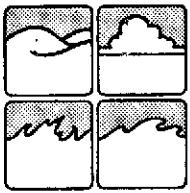
Sample Integrity: Received sealed & Chilled w/ zero
headspace

Sample ID: 003151
Date Sampled: 12-5-89
Date Received: 12-5-89
Date Analyzed: 12-7-89

CECI ID: 003151
CECI Project #: 707

Method	Concentration	Milligrams per Kilogram (PPM)	Det. Limit
DHS TPH as Diesel	ND		1.0
EPA 8015 & 8020 Purge & Trap			
DHS TPH as Gasoline	ND		0.05
Benzene	ND		0.05
Toluene	ND		0.05
Ethyl Benzene	ND		0.05
Xylenes	ND		0.05

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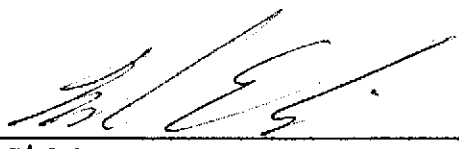
REPORT OF ANALYTICAL RESULTS
Cal DHS Certification # 252

Sample Description: Soil Sample, Backfill Composite

Sample Integrity: Received sealed & Chilled w/ zero headspace

Sample ID: 003146	CECI ID: 003146
Date Sampled: 12-5-89	CECI Project #: 707
Date Received: 12-5-89	
Date Analyzed: 12-7-89	

Method	Concentration	Milligrams per Kilogram (PPM)	Det. Limit
DHS TPH as Diesel	5.6		1.0
EPA 8015 & 8020 Purge & Trap DHS TPH as Gasoline	ND		0.05
Benzene	ND		0.05
Toluene	ND		0.05
Ethyl Benzene	ND		0.05
Xylenes	ND		0.05

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REPORT OF ANALYTICAL RESULTS
Cal DHS Certification # 252

Sample Description: Soil Sample

Sample Integrity: Received sealed & Chilled w/ zero
headspace


Sample ID: 003333
Date Sampled: 12-5-89
Date Received: 12-5-89
Date Analyzed: 12-7-89

CECI ID: 003333
CECI Project #: 707

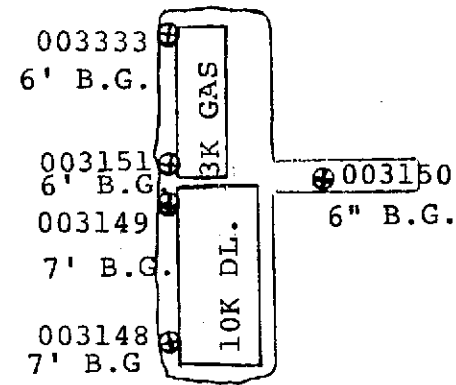
Method	Concentration Milligrams per Kilogram (PPM)	Det. Limit

EPA 8015 & 8020 Purge & Trap

DHS TPH as Gasoline	ND	0.05
Benzene	ND	0.05
Toluene	ND	0.05
Ethyl Benzene	ND	0.05
Xylenes	ND	0.05

Mark Chips: 
Laboratory Director

5812 HOLLIS



SAMPLE# 003147 H₂O
 SAMPLE# 003146 COMPOSITE

J. QUARLE / POWER BLOCK 5812 HOLLIS, EMERYVILLE, CA	
Date: 12/5/89	Drawn by: K. PORTER
Scale: .5"=10'	Revised: Page: 1
Legend	
⊗ SAMPLE POINT	CHIPS Environmental Consultants



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J*707

SAMPLE HANDLING/LOG-IN

Date 12/5/89

Test Location 5812 Hollis
Benke Emoryville CA
Co-vents

	Sample Type	Volume	Co-vents
1.	003147	1	Water Samples BTEX/gld
2.	003148	2	Soil SE corner BTEX/gd
3.	003149	3	W. End Diesel BTEX/gd/g.
4.	003151	4	E. End Gas Tank BTEX/g
5.	003333	5	Far West gas tank BTEX/g
6.	003150	6	Pipeline Sample BTEX/glc
7.	003146	7	Bank drill composite BTEX/glc
8.			
9.			
10.			
11.			
12.			

CHAIN OF CUSTODY

Beverly Turner Analyst

12/5/89

600 P.M.