

CE Green Corp

5088 Hillsdale Circle . El Dorado Hills . CA . 95762
(916) 939-9199 . Fax (916) 939-9197

**ENVIRONMENTAL
PROTECTION**

96 NOV -7 AM 9: 51

November 5, 1996

Alameda County Health
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502

STD
3963

Attention: Susan Hugo

Re: SFOBB Toll Plaza Closures
CALTRANS Maintenance Station

Dear Susan:

Enclosed are the following for the above referenced project:

- 1) Site Map
- 2) Chain of Custody
- 3) Sample Analysis Results

Please call should you have questions.

Sincerely,



Carole Green

cc: Michael Hilliard, CALTRANS

file

CHAIN OF CUSTODY

LOG NO. 19743

[illegible]

California Laboratory Services

C. E. Green
P.O. Box 598
Folsom, CA 95763

09/24/96

Attention: Steve Green

Reference: Analytical Results

Project Name: SFOBB Toll Plaza Tank Closures
Project No.: 81-0596
Date Received: 09/12/96
Chain Of Custody: 19743

CLS ID No.: N4530
CLS Job No.: 804530

The following analyses were performed on the above referenced project:

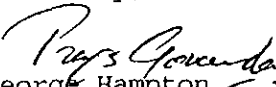
<u>No. of Samples</u>	<u>Turnaround Time</u>	<u>Analysis Description</u>
4	10 Days	TPH Diesel by DHS Method - M8015 (soil)
4	10 Days	TPH as Gasoline, BTEX and MTBE
5	10 Days	BTEX by EPA 8020

These samples were received by California Laboratory Services in a chilled, intact state and accompanied by a valid chain of custody document.

Calibrations for analytical testing have been performed in accordance to and pass the EPA's criteria for acceptability.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,


for George Hampton
Laboratory Director

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Sonication, EPA Method 3550

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/19/96
Date Analyzed: 09/20/96
Date Reported: 09/23/96

Lab ID No.: N4530
Job No.: 804530
COC Log No.: 19743
Batch No.: 19059
Instrument ID: GC004
Analyst ID: JENNDC
Matrix: SOIL

ANALYTE

Client	Sample I.D. Lab	ANALYTE	
		TPH as Diesel [Rep. Limit] (Dilution)	TPH as Motor Oil [Rep. Limit] (Dilution)
B-1	6A	ND [50] (50)	190 [100] (50)
B-2	7A	660 [200] (200)	1000 [400] (200)
C-1	8A	ND [10] (10)	62 [20] (10)
C-2	9A	ND [5.0] (5.0)	25 [10] (5.0)
Units		mg/kg	mg/kg

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: TPH as Gasoline, BTEX and MTBE
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: A-1

Lab ID No.: N4530-1A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19032
Instrument ID: GC018
Analyst ID: JENNDG
Matrix: SOIL

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	100	106

Sample: A-1

Analyte	CAS No.	Results (ug/kg)	Rep. Limit (ug/kg)	Dilution (factor)
Methyl t-butyl ether	1634-04-4	ND	80	1.0
Benzene	71-43-2	ND	5.0	1.0
Toluene	108-88-3	ND	5.0	1.0
Ethylbenzene	100-41-4	35	5.0	1.0
Xylenes, total	1330-20-7	180	10	1.0

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: TPH as Gasoline, BTEX and MTBE
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: A-2

Lab ID No.: N4530-2A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19032
Instrument ID: GC018
Analyst ID: JENNDG
Matrix: SOIL

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	100	97

Sample: A-2

Analyte	CAS No.	Results (ug/kg)	Rep. Limit (ug/kg)	Dilution (factor)
Methyl t-butyl ether	1634-04-4	ND	80	1.0
Benzene	71-43-2	53	5.0	1.0
Toluene	108-88-3	470	25	5.0
Ethylbenzene	100-41-4	110	5.0	1.0
Xylenes, total	1330-20-7	400	10	1.0

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: BTEX, EPA Method 8020
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt
Lab ID No.: N4530-6A
Job No.: 804530
COC Log No.: 19743
Batch No.: 18032
Instrument ID: GC007
Analyst ID: JENNDG
Matrix: SOIL

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: B-1

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	100	114

Sample: B-1

Analyte	CAS No.	Results (ug/kg)	Rep. Limit (ug/kg)	Dilution (factor)
Benzene	71-43-2	ND	5.0	1.0
Toluene	108-88-3	8.0	5.0	1.0
Ethylbenzene	100-41-4	ND	5.0	1.0
Xylenes, total	1330-20-7	ND	10	1.0

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: BTEX, EPA Method 8020
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt
Lab ID No.: N4530-7A
Job No.: 804530
COC Log No.: 19743
Batch No.: 18032
Instrument ID: GC007
Analyst ID: JENNDC
Matrix: SOIL

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: B-2

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	500	83

Sample: B-2

Analyte	CAS No.	Results (ug/kg)	Rep. Limit (ug/kg)	Dilution (factor)
Benzene	71-43-2	33	25	5.0
Toluene	108-88-3	460	25	5.0
Ethylbenzene	100-41-4	300	25	5.0
Xylenes, total	1330-20-7	1200	50	5.0

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: BTEX, EPA Method 8020
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt
Lab ID No.: N4530-8A
Job No.: 804530
COC Log No.: 19743
Batch No.: 18032
Instrument ID: GC007
Analyst ID: JENNDC
Matrix: SOIL

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: C-1

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	100	113

Sample: C-1

Analyte	CAS No.	Results (ug/kg)	Rep. Limit (ug/kg)	Dilution (factor)
Benzene	71-43-2	ND	5.0	1.0
Toluene	108-88-3	ND	5.0	1.0
Ethylbenzene	100-41-4	ND	5.0	1.0
Xylenes, total	1330-20-7	ND	10	1.0

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: BTEX, EPA Method 8020
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: C-2

Lab ID No.: N4530-9A
Job No.: 804530
COC Log No.: 19743
Batch No.: 18032
Instrument ID: GC007
Analyst ID: JENNDC
Matrix: SOIL

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	100	110

Sample: C-2

Analyte	CAS No.	Results (ug/kg)	Rep. Limit (ug/kg)	Dilution (factor)
Benzene	71-43-2	ND	5.0	1.0
Toluene	108-88-3	11	5.0	1.0
Ethylbenzene	100-41-4	ND	5.0	1.0
Xylenes, total	1330-20-7	21	10	1.0

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt
Lab ID No.: N4530-1A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19032
Instrument ID: GC018
Analyst ID: JENNDG
Matrix: SOIL

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: A-1

SURROGATE

Analyte	CAS No.	Surr Conc. (mg/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	0.100	71 QC

Sample: A-1

Analyte	CAS No.	Results (mg/kg)	Rep. Limit (mg/kg)	Dilution (factor)
TPH as Gasoline	N/A	ND	1.0	1.0

QC = Recovery data is not within standard QC limits. LCS recovery data validates methodology.

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt
Lab ID No.: N4530-2A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19032
Instrument ID: GC018
Analyst ID: JENNDG
Matrix: SOIL

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: A-2

SURROGATE

Analyte	CAS No.	Surr Conc. (mg/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	0.100	68 QC

Sample: A-2

Analyte	CAS No.	Results (mg/kg)	Rep. Limit (mg/kg)	Dilution (factor)
TPH as Gasoline	N/A	3.9	1.0	1.0

QC = Recovery data is not within standard QC limits. LCS recovery data validates methodology.

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: BTEX-Water; EPA Method 602
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt
Lab ID No.: N4530-3A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19026
Instrument ID: GC018
Analyst ID: JENNDNC
Matrix: WATER

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/13/96
Date Reported: 09/17/96
Client ID No.: W-1

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/L)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	200	99

Sample: W-1

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
Methyl t-butyl ether	1634-04-4	ND	10	10
Benzene	71-43-2	250	3.0	10
Toluene	108-88-3	200	3.0	10
Ethylbenzene	100-41-4	1900	30	100
Xylenes, total	1330-20-7	9200	60	100

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: BTEX-Water; EPA Method 602
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/13/96
Date Reported: 09/17/96
Client ID No.: W-2

Lab ID No.: N4530-4A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19026
Instrument ID: GC018
Analyst ID: JENNDNC
Matrix: WATER

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/L)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	200	96

Sample: W-2

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
Methyl t-butyl ether	1634-04-4	ND	10	10
Benzene	71-43-2	180	3.0	10
Toluene	108-88-3	120	3.0	10
Ethylbenzene	100-41-4	1800	30	100
Xylenes, total	1330-20-7	9500	60	100

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: BTEX-Water; EPA Method 602
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/13/96
Date Reported: 09/17/96
Client ID No.: W-3

Lab ID No.: N4530-5A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19026
Instrument ID: GC018
Analyst ID: JENNDK
Matrix: WATER

SURROGATE

Analyte	CAS No.	Surr Conc. (ug/L)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	20.0	115

Sample: W-3

Analyte	CAS No.	Results (ug/L)	Rep. Limit (ug/L)	Dilution (factor)
Benzene	71-43-2	0.78	0.30	1.0
Toluene	108-88-3	8.1	0.30	1.0
Ethylbenzene	100-41-4	5.4	0.30	1.0
Xylenes, total	1330-20-7	20	0.60	1.0

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt
Lab ID No.: N4530-1A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19032
Instrument ID: GC018
Analyst ID: JENNDG
Matrix: SOIL

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: A-1

SURROGATE

Analyte	CAS No.	Surr Conc. (mg/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	0.100	71 QC

Sample: A-1

Analyte	CAS No.	Results (mg/kg)	Rep. Limit (mg/kg)	Dilution (factor)
TPH as Gasoline	N/A	ND	1.0	1.0

QC = Recovery data is not within standard QC limits. LCS recovery data validates methodology.

ND = Not detected at or above indicated Reporting Limit

California Laboratory Services

Analysis Report: Total Petroleum Hydrocarbons, EPA Method 8015
Purge and Trap, EPA Method 5030

Client: C. E. Green
P.O. Box 598
Folsom, CA 95763

Project No.: 81-0596
Contact: Steve Green
Phone: (916) 939-9199

Project: SFOBB Toll Plaza Tank Closures

Lab Contact: John Arndt
Lab ID No.: N4530-2A
Job No.: 804530
COC Log No.: 19743
Batch No.: 19032
Instrument ID: GC018
Analyst ID: JENNDG
Matrix: SOIL

Date Sampled: 09/11/96
Date Received: 09/12/96
Date Extracted: 09/13/96
Date Analyzed: 09/16/96
Date Reported: 09/17/96
Client ID No.: A-2

SURROGATE

Analyte	CAS No.	Surr Conc. (mg/kg)	Surrogate Recovery (percent)
o-Chlorotoluene	95-49-8	0.100	68 QC

Sample: A-2

Analyte	CAS No.	Results (mg/kg)	Rep. Limit (mg/kg)	Dilution (factor)
TPH as Gasoline	N/A	3.9	1.0	1.0

QC = Recovery data is not within standard QC limits. LCS recovery data validates methodology.

ND = Not detected at or above indicated Reporting Limit