

PHASE II ENVIRONMENTAL SITE ASSESSMENT

**FUTURE PORT FIELD SUPPORT
SERVICES COMPLEX
2225 & 2277 SEVENTH STREET
PORT OF OAKLAND

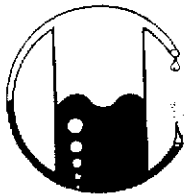
OAKLAND, CALIFORNIA**

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VOLUME II – APPENDIX B

IRIS ENVIRONMENTAL

June 2002



MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549
Phone (925) 945-1266 • Fax (925) 943-6884

Lab. Cert. # 2162

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Analyzed: 03-26-02

QA/QC REPORT FOR 8260
AND DIESEL
EPA 8015MOD

A System Blank performed was less than the detection limit.

A Mid-point Calibration Standard for compounds was within 20 % of the calibration curve.

A DI or Solvent Blank performed was less than the detection limit.

A Laboratory Control Sample (LCS) was run and spike recovery calculated.

A spike on a sample was run and recovery was within MCL QC limits.

A duplicate or duplicate spike on a sample was run and deviation was within MCL QC limits.

Diesel surrogate recoveries on samples were within MCL QC limits.

8260 surrogate recoveries on samples were within MCL QC limits. On some samples the third surrogate was artificially high due to high diesel contamination. After manually subtracting out the background (m/e 95) the third surrogate fell within QC limits

All samples were run in accordance with methods referenced from EPA SW846 as noted at the bottom of each report. Protocol used complies with the Department of Health Services Environmental Laboratory Accreditation Program.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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AND DIESEL
EPA 8015MOD

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A Mid-point Calibration Standard for compounds was within 20 % of the calibration curve.

A DI or Solvent Blank performed was less than the detection limit.

A Laboratory Control Sample (LCS) was run and spike recovery calculated.

A spike on a sample was run and recovery was within MCL QC limits.

A duplicate or duplicate spike on a sample was run and deviation was within MCL QC limits.

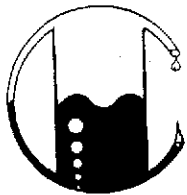
Diesel surrogate recoveries on samples were within MCL QC limits.

8260 surrogate recoveries on samples were within MCL QC limits.

All samples were run in accordance with methods referenced from EPA SW846 as noted at the bottom of each report. Protocol used complies with the Department of Health Services Environmental Laboratory Accreditation Program.

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Date Analyzed: 03-28-02

QA/QC REPORT FOR 8260
AND DIESEL
EPA 8015MOD

A System Blank performed was less than the detection limit.

A Mid-point Calibration Standard for compounds was within 20 % of the calibration curve.

A DI or Solvent Blank performed was less than the detection limit.

A Laboratory Control Sample (LCS) was run and spike recovery calculated.

A spike on a sample was run and recovery was within MCL QC limits.

A duplicate or duplicate spike on a sample was run and deviation was within MCL QC limits.

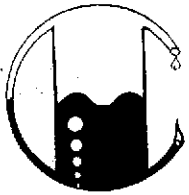
Diesel surrogate recoveries on samples were within MCL QC limits.

8260 surrogate recoveries on samples were within MCL QC limits.

All samples were run in accordance with methods referenced from EPA SW846 as noted at the bottom of each report. Protocol used complies with the Department of Health Services Environmental Laboratory Accreditation Program.

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D1-201-A\2162\014187

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Project Manager

Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

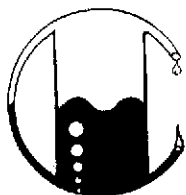
Sample Number	Sample Description	Detection Limit ppm	SOIL
			Total Petroleum Hydrocarbons as Diesel ppm
7 th St. Oakland, CA Project No.: D1-201-A			
B032002	MFC-35-5.5-6.0	5.0	1,300
B032003	MFC-33-5.5-6.0	5.0	<5.0
B032004	MFC-37-5.0-5.5	5.0	3,800

QA/QC: Duplicate Deviation on B032002 is 6.2 %
Spike Recovery on B032013 is 84 %
LCS Recovery is 87 %

Note: Analysis was performed using EPA method 3550 modified and
TPH LUFT.
(ppm) = (mg/kg)

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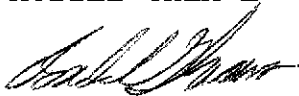
Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number	Sample Description	Detection Limit ppb	WATER
			Total Petroleum Hydrocarbons as Diesel ppb
7 th St. Oakland, CA Project No.: D1-201-A			
B032001	MFC-33-GW	<100	25,000
B032005	MFC-35-GW	<100	140,000
B032006	MFC-37-GW	<100	57,000

QA/QC: Duplicate Deviation on B032002 is 6.2 %
Spike Recovery on B032013 is 84 %
LCS Recovery is 87 %

Note: Analysis was performed using EPA method 3510 modified and
TPH LUFT.
(ppb) = (ug/l)

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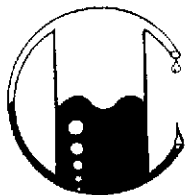
Sample Number	Sample Description	Detection Limit ppm	SOIL
			Total Petroleum Hydrocarbons as Diesel ppm
7 th St. Oakland, CA Project No.: D1-201-A			
B032007	MFC-38-5.5-6.0	5.0	<5.0
B032008	MFC-8-5.5-6.0	5.0	<5.0
B032009	MFC-8-8.0-8.5	5.0	<5.0
B032010	MFC-9-5.5-6.0	5.0	<5.0
B032011	MFC-41-4.5-5.0	5.0	12

QA/QC: Duplicate Deviation on B032002 is 6.2 %
Spike Recovery on B032013 is 84 %
LCS Recovery is 87 %

Note: Analysis was performed using EPA method 3550 modified and
TPH LUFT.
(ppm) = (mg/kg)

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Sample Number	Sample Description	Detection Limit ppb	WATER
			Total Petroleum Hydrocarbons as Diesel ppb
7 th St. Oakland, CA Project No.: D1-201-A			
B032013	MFC-38-GW	<100	<100
B032014	MFC-40-GW	<100	<100
B032015	MFC-41-GW	<100	<100

QA/QC: Duplicate Deviation on B032002 is 6.2 %
Spike Recovery on B032013 is 84 %
LCS Recovery is 87 %

Note: Analysis was performed using EPA method 3510 modified and
TPH LUFT.
(ppb) = (ug/l)

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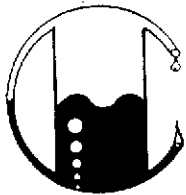
Sample Number	Sample Description	Detection Limit ppm	SOIL Total Petroleum Hydrocarbons as Diesel ppm
7 th St. Oakland, CA Project No.: D1-201-A			
B032012	MFC-40-5.0-5.5	5.0	<5.0
B032017	MFC-34-6.0-6.5	5.0	<5.0
B032018	MFC-44-5.0-5.5	5.0	<5.0
B032019	MFC-29-5.5-6.0	5.0	<5.0
B032020	MFC-7-5.5-6.0	5.0	13
B032021	MFC-7-9.0-9.5	5.0	<5.0
B032022	MFC-6-9.0-9.5	5.0	<5.0

QA/QC: Duplicate Deviation on B032020 is 8.3 %
Spike Recovery on B032028 is 75 %
LCS Recovery is 64 %

Note: Analysis was performed using EPA method 3550 modified and
TPH LUFT.
(ppm) = (mg/kg)

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<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u> ppm	<u>SOIL Total Petroleum Hydrocarbons as Diesel</u> ppm
7 th St. Oakland, CA Project No.: D1-201-A			
B032023	MFC-24-4.5-5.0	5.0	<5.0
B032024	MFC-27-5.5-6.0	5.0	<5.0
B032025	MFC-30-4.5-5.0	5.0	<5.0

QA/QC: Duplicate Deviation on B032020 is 8.3 %
Spike Recovery on B032028 is 75 %
LCS Recovery is 64 %

Note: Analysis was performed using EPA method 3550 modified and
TPH LUFT.
(ppm) = (mg/kg)

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<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u> ppb	<u>WATER</u> <u>Total Petroleum Hydrocarbons as Diesel</u> ppb
7 th St. Oakland, CA Project No.: D1-201-A			
B032016	MFC-44-GW	<100	<100

QA/QC: Duplicate Deviation on B032002 is 6.2 %
Spike Recovery on B032013 is 84 %
LCS Recovery is 87 %

Note: Analysis was performed using EPA method 3510 modified and
TPH LUFT.
(ppb) = (ug/l)

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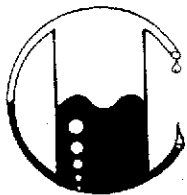
Sample Number	Sample Description	Detection Limit ppb	WATER
			Total Petroleum Hydrocarbons as Diesel ppb
7 th St. Oakland, CA Project No.: D1-201-A			
B032030	MFC-9-GW	<100	<100
B032031	MFC-39-GW	<100	<100

QA/QC: Duplicate Deviation on B032032 is 0.3 %
Spike Recovery on B032033 is 80 %
LCS Recovery is 96 %

Note: Analysis was performed using EPA method 3510 modified and
TPH LUFT.
(ppb) = (ug/l)

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Sample Number	Sample Description	Detection Limit ppb	WATER	
			Total Petroleum Hydrocarbons	as Diesel ppb
7 th St. Oakland, CA Project No.: D1-201-A				
B032034	MFC-27-GW	<100	<100	
B032037	MFC-11-GW	<100	<100	
B032038	MFC-25-GW	<100	<100	
B032040	MFC-31-GW	<100	16,000	
B032041	MFC-45-GW	<100	<100	

QA/QC: Duplicate Deviation on B032032 is 0.3 %
Spike Recovery on B032033 is 80 %
LCS Recovery is 96 %

Note: Analysis was performed using EPA method 3510 modified and
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(ppb) = (ug/l)

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<u>Sample Number</u>	<u>Sample Description</u>	<u>Detection Limit</u> ppm	<u>SOIL Total Petroleum Hydrocarbons as Diesel</u> ppm
7 th St. Oakland, CA Project No.: D1-201-A			
B032032	MFC-20-13.0-13.5	5.0	1,600
B032033	MFC-46-7.5-8.0	5.0	<5.0

QA/QC: Duplicate Deviation on B032032 is 0.3 %
Spike Recovery on B032033 is 80 %
LCS Recovery is 96 %

Note: Analysis was performed using EPA method 3550 modified and
TPH LUFT.
(ppm) = (mg/kg)

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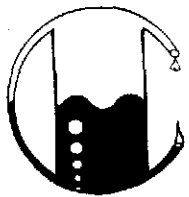
Sample Number	Sample Description	Detection Limit ppm	SOIL
			Total Petroleum Hydrocarbons as Diesel ppm
7 th St. Oakland, CA Project No.: D1-201-A			
B032035	MFC-25-7.5-8.0	5.0	1,600
B032036	MFC-25-1.0-1.5	5.0	<5.0

QA/QC: Duplicate Deviation on B032032 is 0.3 %
Spike Recovery on B032033 is 80 %
LCS Recovery is 96 %

Note: Analysis was performed using EPA method 3550 modified and
TPH LUFT.
(ppm) = (mg/kg)

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<u>Sample</u> <u>Number</u>	<u>Sample</u> <u>Description</u>	<u>Detection</u> <u>Limit</u> ppm	<u>SOIL</u> <u>Total Petroleum</u> <u>Hydrocarbons as Diesel</u> ppm
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7 th St. Oakland, CA
Project No.: D1-201-A

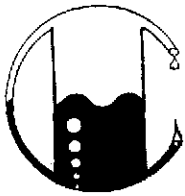
B032029	MFC-31-5.0-5.5	5.0	<5.0
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QA/QC: Duplicate Deviation on B032020 is 8.3 %
Spike Recovery on B032028 is 75 %
LCS Recovery is 64 %

Note: Analysis was performed using EPA method 3550 modified and
TPH LUFT.
(ppm) = (mg/kg)

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Sample Number	Sample Description	Detection Limit ppb	WATER
			Total Petroleum Hydrocarbons as Diesel ppb
7 th St. Oakland, CA Project No.: D1-201-A			
B032026	MFC-6-GW	<100	<100
B032027	MFC-7-GW	<100	<100
B032028	MFC-8-GW	<100	<100

QA/QC: Duplicate Deviation on B032002 is 6.2 %
Spike Recovery on B032013 is 84 %
LCS Recovery is 87 %

Note: Analysis was performed using EPA method 3510 modified and
TPH LUFT.
(ppb) = (ug/l)

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Date Sampled: 03-25-02
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Date Analyzed: 03-26-02

Sample Number

B032001

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-33-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	1.6	....
Bromodichloromethane.....	<1.0	ND.....	....
Bromoform.....	<1.0	ND.....	....
Bromomethane.....	<2.0	ND.....	....
Carbon Tetrachloride.....	<1.0	ND.....	....
Chlorobenzene.....	<1.0	ND.....	....
Chloroethane.....	<2.0	ND.....	....
Chloroform.....	<2.0	ND.....	....
Chloromethane.....	<2.0	ND.....	....
Dibromochloromethane.....	<1.0	ND.....	....
1,1-Dichloroethane.....	<1.0	ND.....	....
1,2-Dichloroethane.....	<2.0	ND.....	....
1,1-Dichloroethene.....	<1.0	ND.....	....
Trans-1,2-Dichloroethene.....	<1.0	ND.....	....
1,2-Dichloropropane.....	<2.0	ND.....	....
Cis-1,3-Dichloropropene.....	<1.0	ND.....	....
Trans-1,3-Dichloropropene.....	<1.0	ND.....	....
Ethylbenzene.....	<1.0	ND.....	....
Methylene Chloride.....	<1.0	ND.....	....
1,1,2,2-Tetrachloroethane....	<1.0	ND.....	....
Tetrachloroethene.....	<1.0	ND.....	....
Toluene.....	<1.0	ND.....	....
1,1,1-Trichloroethane.....	<1.0	ND.....
1,1,2-Trichloroethane.....	<1.0	ND.....
Trichloroethene.....	<1.0	ND.....



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Date Sampled: 03-25-02
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Sample Number

B032001

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-33-GW WATER

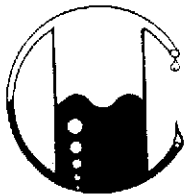
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	.....ND.....	
Total Xylenes.....	<2.0	.....ND.....	
Acetone.....	<5.0	.....ND.....	
2-Butanone.....	<10.0	.....ND.....	
Carbon Disulfide.....	<1.0	.....ND.....	
2-Hexanone.....	<2.0	.....ND.....	
4-Methyl-2-Pentanone.....	<2.0	.....ND.....	
Styrene.....	<1.0	.....ND.....	
Vinyl Acetate.....	<5.0	.....ND.....	
Cis-1,2-Dichloroethene.....	<1.0	.....1.2.....	
MTBE(Methyl tert-Butyl Ether)<2.0		.....ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		.....ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		.....ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		.....ND.....	
Tertiary Butanol.....<50.0		.....ND.....	
Ethanol.....<200.0		.....ND.....	
Gasoline.....<200.0	ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Date Analyzed: 03-26-02

Sample Number

B032002

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-35-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<10 *	ND.....	
Bromodichloromethane.....	<10	ND.....	
Bromoform.....	<10	ND.....	
Bromomethane.....	<20	ND.....	
Carbon Tetrachloride.....	<10	ND.....	
Chlorobenzene.....	<10	ND.....	
Chloroethane.....	<20	ND.....	
Chloroform.....	<20	ND.....	
Chloromethane.....	<20	ND.....	
Dibromochloromethane.....	<10	ND.....	
1,1-Dichloroethane.....	<10	ND.....	
1,2-Dichloroethane.....	<20	ND.....	
1,1-Dichloroethene.....	<10	ND.....	
Trans-1,2-Dichloroethene.....	<10	ND.....	
1,2-Dichloropropane.....	<20	ND.....	
Cis-1,3-Dichloropropene.....	<10	ND.....	
Trans-1,3-Dichloropropene....	<10	ND.....	
Ethylbenzene.....	<10	ND.....	
Methylene Chloride.....	<10	ND.....	
1,1,2,2-Tetrachloroethane....	<10	ND.....	
Tetrachloroethene.....	<10	ND.....	
Toluene.....	<10	ND.....	
1,1,1-Trichloroethane.....	<10	ND.....	
1,1,2-Trichloroethane.....	<10	ND.....	
Trichloroethene.....	<10	ND.....	

* = Sample diluted due to high diesel content.



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Iris Environmental, Inc.
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Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032002

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-35-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<30	ND.....	
Total Xylenes.....	<20	ND.....	
Acetone.....	<50	ND.....	
2-Butanone.....	<100	ND.....	
Carbon Disulfide.....	<10	ND.....	
2-Hexanone.....	<20	ND.....	
4-Methyl-2-Pentanone.....	<20	ND.....	
Styrene.....	<10	ND.....	
Vinyl Acetate.....	<50	ND.....	
Cis-1,2-Dichloroethene.....	<10	ND.....	
MTBE(Methyl tert-Butyl Ether)<20		ND.....	
TAME(Tert. Amyl Methyl Ether)<20		ND.....	
ETBE(Ethyl tert-Butyl Ether).<20		ND.....	
DIPE(Di-Isopropyl Ether).....<20		ND.....	
Tertiary Butanol.....<500		ND.....	
Ethanol.....<2000		ND.....	
Gasoline.....<2000		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032003

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-33-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	108 %
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	101 %
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	96 %
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	115 %
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	75 %



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Project Manager

Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032003

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-33-5.5-6.0 SOIL

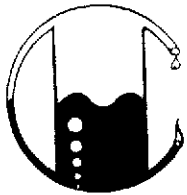
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.
QA/QC: LCS Recovery is 86 %

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Project Manager

Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032004

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-37-5.0-5.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<10 *	ND.....	
Bromodichloromethane.....	<10	ND.....	
Bromoform.....	<10	ND.....	
Bromomethane.....	<20	ND.....	
Carbon Tetrachloride.....	<10	ND.....	
Chlorobenzene.....	<10	ND.....	
Chloroethane.....	<20	ND.....	
Chloroform.....	<20	ND.....	
Chloromethane.....	<20	ND.....	
Dibromochloromethane.....	<10	ND.....	
1,1-Dichloroethane.....	<10	ND.....	
1,2-Dichloroethane.....	<20	ND.....	
1,1-Dichloroethene.....	<10	ND.....	
Trans-1,2-Dichloroethene.....	<10	ND.....	
1,2-Dichloropropane.....	<20	ND.....	
Cis-1,3-Dichloropropene.....	<10	ND.....	
Trans-1,3-Dichloropropene.....	<10	ND.....	
Ethylbenzene.....	<10	ND.....	
Methylene Chloride.....	<10	ND.....	
1,1,2,2-Tetrachloroethane.....	<10	ND.....	
Tetrachloroethene.....	<10	ND.....	
Toluene.....	<10	ND.....	
1,1,1-Trichloroethane.....	<10	ND.....	
1,1,2-Trichloroethane.....	<10	ND.....	
Trichloroethene.....	<10	ND.....	

* = Sample diluted due to high diesel content.



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Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032004

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-37-5.0-5.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<30	ND.....	
Total Xylenes.....	<20	ND.....	
Acetone.....	<50	ND.....	
2-Butanone.....	<100	ND.....	
Carbon Disulfide.....	<10	ND.....	
2-Hexanone.....	<20	ND.....	
4-Methyl-2-Pentanone.....	<20	ND.....	
Styrene.....	<10	ND.....	
Vinyl Acetate.....	<50	ND.....	
Cis-1,2-Dichloroethene.....	<10	ND.....	
MTBE(Methyl tert-Butyl Ether)<20		ND.....	
TAME(Tert. Amyl Methyl Ether)<20		ND.....	
ETBE(Ethyl tert-Butyl Ether).<20		ND.....	
DIPE(Di-Isopropyl Ether).....<20		ND.....	
Tertiary Butanol.....<500		ND.....	
Ethanol.....<2000		ND.....	
Gasoline.....<2000		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

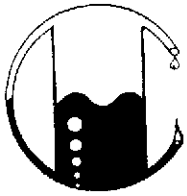
B032005

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-35-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	7.0	....
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	8.3	....
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-25-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032005

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-35-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	.....ND.....	
Total Xylenes.....	<2.0	.....ND.....	
Acetone.....	<5.0	.....ND.....	
2-Butanone.....	<10.0	.....ND.....	
Carbon Disulfide.....	<1.0	.....ND.....	
2-Hexanone.....	<2.0	.....ND.....	
4-Methyl-2-Pentanone.....	<2.0	.....ND.....	
Styrene.....	<1.0	.....ND.....	
Vinyl Acetate.....	<5.0	.....ND.....	
Cis-1,2-Dichloroethene.....	<1.0	.....ND.....	
MTBE(Methyl tert-Butyl Ether)	<2.0	.....ND.....	
TAME(Tert. Amyl Methyl Ether)	<2.0	.....ND.....	
ETBE(Ethyl tert-Butyl Ether)	<2.0	.....ND.....	
DIPE(Di-Isopropyl Ether).....	<2.0	.....ND.....	
Tertiary Butanol.....	<50.0	.....ND.....	
Ethanol.....	<200.0	.....ND.....	
Gasoline.....	<200.0	.....ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.
QA/QC: Duplicate Deviation is 2.1 %

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

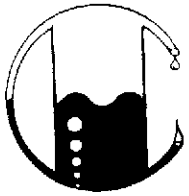
B032006

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-37-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	1.0	....
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032006

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-37-GW WATER

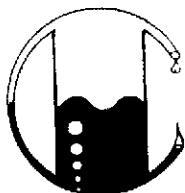
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)	<2.0	ND.....	
TAME(Tert. Amyl Methyl Ether)	<2.0	ND.....	
ETBE(Ethyl tert-Butyl Ether)	<2.0	ND.....	
DIPE(Di-Isopropyl Ether).....	<2.0	ND.....	
Tertiary Butanol.....	<50.0	ND.....	
Ethanol.....	<200.0	ND.....	
Gasoline.....	<200.0	ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Ronald G. Evans
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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

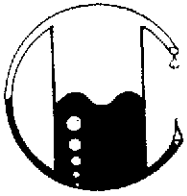
B032007

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-38-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032007

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-38-5.5-6.0 SOIL

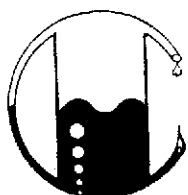
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	.....ND.....	
Total Xylenes.....	<2.0	.....ND.....	
Acetone.....	<5.0	.....ND.....	
2-Butanone.....	<10.0	.....ND.....	
Carbon Disulfide.....	<1.0	.....ND.....	
2-Hexanone.....	<2.0	.....ND.....	
4-Methyl-2-Pentanone.....	<2.0	.....ND.....	
Styrene.....	<1.0	.....ND.....	
Vinyl Acetate.....	<5.0	.....ND.....	
Cis-1,2-Dichloroethene.....	<1.0	.....ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		.....ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		.....ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		.....ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		.....ND.....	
Tertiary Butanol.....<50.0		.....ND.....	
Ethanol.....<200.0		.....ND.....	
Gasoline.....<200.0		.....ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

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D1-201-A\2162\014187

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Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032008

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-8-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032008

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-8-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Lab Director



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D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

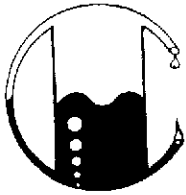
B032009

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-8-8.0-8.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Analyzed: 03-26-02

Sample Number

B032009

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-8-8.0-8.5 SOIL

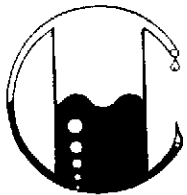
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether)<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

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Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

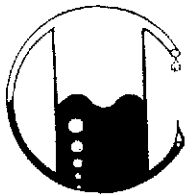
B032010

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-9-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Analyzed: 03-26-02

Sample Number

B032010

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-9-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)	<2.0	ND.....	
TAME(Tert. Amyl Methyl Ether)	<2.0	ND.....	
ETBE(Ethyl tert-Butyl Ether)	<2.0	ND.....	
DIPE(Di-Isopropyl Ether).....	<2.0	ND.....	
Tertiary Butanol.....	<50.0	ND.....	
Ethanol.....	<200.0	ND.....	
Gasoline.....	<200.0	ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

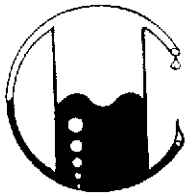
B032011

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-41-4.5-5.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	1.6	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-26-02
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Date Analyzed: 03-26-02

Sample Number

B032011

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-41-4.5-5.0 SOIL

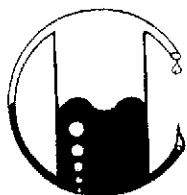
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

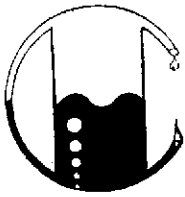
B032012

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-40-5.0-5.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-26-02
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Sample Number

B032012

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-40-5.0-5.5 SOIL

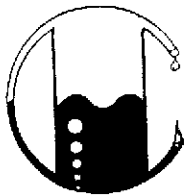
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

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D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
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Sample Number

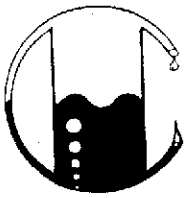
B032013

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-38-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032013

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-38-GW WATER

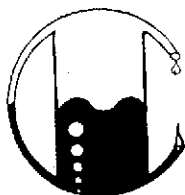
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

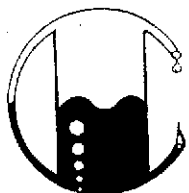
B032014

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-40-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Iris Environmental, Inc.
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Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-26-02

Sample Number

B032014

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-40-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032015

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-41-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Project Manager

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Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032015

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-41-GW WATER

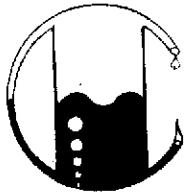
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

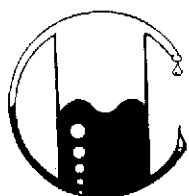
B032016

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-44-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	1.3	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032016

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-44-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032017

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-34-6.0-6.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032017

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-34-6.0-6.5 SOIL

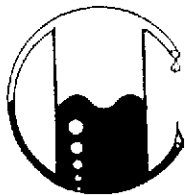
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
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D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

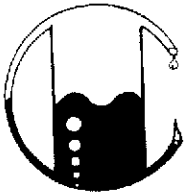
B032018

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-44-5.0-5.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032018

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-44-5.0-5.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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D1-201-A\2162\014187

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Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

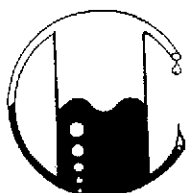
B032019

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-29-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032019

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-29-5.5-6.0 SOIL

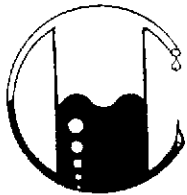
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Ronald G. Evans
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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032020

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-7-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	1.2	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Iris Environmental, Inc.
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Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032020

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-7-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

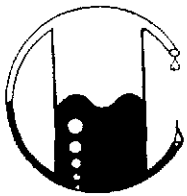
B032021

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-7-9.0-9.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-26-02
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Date Analyzed: 03-27-02

Sample Number

B032021

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-7-9.0-9.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether)<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Date Sampled: 03-26-02
Date Received: 03-26-02
Date Analyzed: 03-27-02

Sample Number

B032022

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-6-9.0-9.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Analyzed: 03-27-02

Sample Number

B032022

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-6-9.0-9.5 SOIL

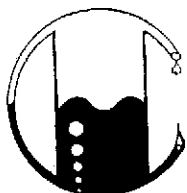
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Ronald G. Evans
Lab Director



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Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

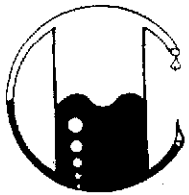
B032023

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-24-4.5-5.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	1.1	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

B032023

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-24-4.5-5.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

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D1-201-A\2162\014187

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Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

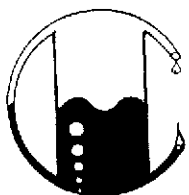
B032024

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-27-5.5-6.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

B032024

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-27-5.5-6.0 SOIL

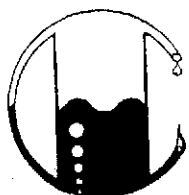
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

B032025

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-30-4.5-5.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	1.0	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

B032025

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-30-4.5-5.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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D1-201-A\2162\014187

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Date Sampled: 03-27-02
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Date Analyzed: 03-27-02

Sample Number

B032026

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-6-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

B032026

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-6-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Ronald G. Evans
Lab Director



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Attn: Chris Alger
Project Manager

D1-201-A\2162\014187

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

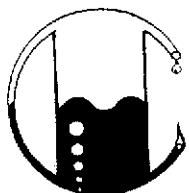
B032027

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-7-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Analyzed: 03-27-02

Sample Number

B032027

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-7-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	31	....
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.
QA/QC: Duplicated on 03-28-02. Duplicate Deviation is 2.2 %

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Lab Director



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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-28-02

Sample Number

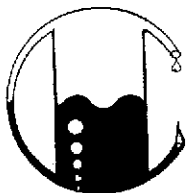
B032028

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-8-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	96 %
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	92 %
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	79 %
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	92 %
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	74 %



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Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-28-02

Sample Number

B032028

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-8-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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Date Sampled: 03-25-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

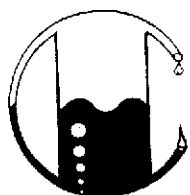
B032029

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-31-5.0-5.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	110 %
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	109 %
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	88 %
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	106 %
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	76 %



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Date Sampled: 03-25-02
Date Received: 03-27-02
Date Analyzed: 03-27-02

Sample Number

B032029

Sample Description

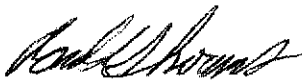
7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-31-5.0-5.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.
QA/QC: Duplicate Deviation is 3.2 %
LCS Recovery is 108 %

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Lab Director



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D1-201-A\2162\014187

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Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-28-02

Sample Number

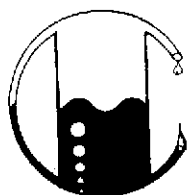
B032030

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-9-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Analyzed: 03-28-02

Sample Number

B032030

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-9-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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D1-201-A\2162\014187

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Date Sampled: 03-27-02
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Sample Number

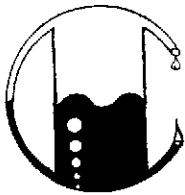
B032031

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-39-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Analyzed: 03-28-02

Sample Number

B032031

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-39-GW WATER

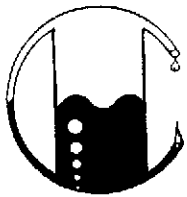
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	.....ND.....	
Total Xylenes.....	<2.0	.....ND.....	
Acetone.....	<5.0	.....ND.....	
2-Butanone.....	<10.0	.....ND.....	
Carbon Disulfide.....	<1.0	.....ND.....	
2-Hexanone.....	<2.0	.....ND.....	
4-Methyl-2-Pentanone.....	<2.0	.....ND.....	
Styrene.....	<1.0	.....ND.....	
Vinyl Acetate.....	<5.0	.....ND.....	
Cis-1,2-Dichloroethene.....	<1.0	.....ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		..... 3.4	
TAME(Tert. Amyl Methyl Ether)<2.0		.....ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		.....ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		..... 2.6	
Tertiary Butanol.....<50.0		.....ND.....	
Ethanol.....<200.0		.....ND.....	
Gasoline.....<200.0		.....ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

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D1-201-A\2162\014187

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Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-28-02

Sample Number

B032032

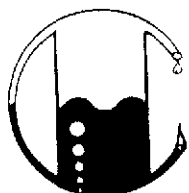
Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-20-13.0-13.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<10 *	ND.....	
Bromodichloromethane.....	<10	ND.....	
Bromoform.....	<10	ND.....	
Bromomethane.....	<20	ND.....	
Carbon Tetrachloride.....	<10	ND.....	
Chlorobenzene.....	<10	ND.....	
Chloroethane.....	<20	ND.....	
Chloroform.....	<20	ND.....	
Chloromethane.....	<20	ND.....	
Dibromochloromethane.....	<10	ND.....	
1,1-Dichloroethane.....	<10	ND.....	
1,2-Dichloroethane.....	<20	ND.....	
1,1-Dichloroethene.....	<10	ND.....	
Trans-1,2-Dichloroethene.....	<10	ND.....	
1,2-Dichloropropane.....	<20	ND.....	
Cis-1,3-Dichloropropene.....	<10	ND.....	
Trans-1,3-Dichloropropene.....	<10	ND.....	
Ethylbenzene.....	<10	ND.....	
Methylene Chloride.....	<10	ND.....	
1,1,2,2-Tetrachloroethane.....	<10	ND.....	
Tetrachloroethene.....	<10	ND.....	
Toluene.....	<10	ND.....	
1,1,1-Trichloroethane.....	<10	ND.....	
1,1,2-Trichloroethane.....	<10	ND.....	
Trichloroethene.....	<10	ND.....	

* = Sample diluted due to high diesel content.



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Phone (925) 945-1266 • Fax (925) 943-6884

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-28-02

Sample Number

B032032

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-20-13.0-13.5 SOIL

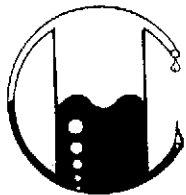
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<30	ND.....	
Total Xylenes.....	<20	ND.....	
Acetone.....	<50	ND.....	
2-Butanone.....	<100	ND.....	
Carbon Disulfide.....	<10	ND.....	
2-Hexanone.....	<20	ND.....	
4-Methyl-2-Pentanone.....	<20	ND.....	
Styrene.....	<10	ND.....	
Vinyl Acetate.....	<50	ND.....	
Cis-1,2-Dichloroethene.....	<10	ND.....	
MTBE(Methyl tert-Butyl Ether)<20		ND.....	
TAME(Tert. Amyl Methyl Ether)<20		ND.....	
ETBE(Ethyl tert-Butyl Ether).<20		ND.....	
DIPE(Di-Isopropyl Ether).....<20		ND.....	
Tertiary Butanol.....<500		ND.....	
Ethanol.....<2000		ND.....	
Gasoline.....<2000		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

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1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-27-02
Date Received: 03-27-02
Date Analyzed: 03-28-02

Sample Number

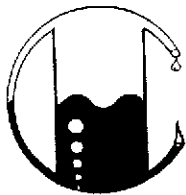
B032033

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-46-7.5-8.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Received: 03-27-02
Date Analyzed: 03-28-02

Sample Number

B032033

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-46-7.5-8.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)	<2.0	ND.....	
TAME(Tert. Amyl Methyl Ether)	<2.0	ND.....	
ETBE(Ethyl tert-Butyl Ether)	<2.0	ND.....	
DIPE(Di-Isopropyl Ether).....	<2.0	ND.....	
Tertiary Butanol.....	<50.0	ND.....	
Ethanol.....	<200.0	ND.....	
Gasoline.....	<200.0	ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
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Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032034

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-27-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	1.2	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032034

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-27-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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D1-201-A\2162\014187

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Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

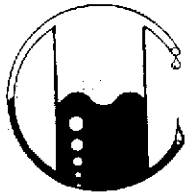
B032035

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-25-7.5-8.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Analyzed: 03-28-02

Sample Number

B032035

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-25-7.5-8.0 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

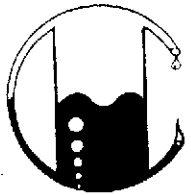
B032036

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-25-1.0-1.5 SOIL

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	.....ND.....	
Bromodichloromethane.....	<1.0	.....ND.....	
Bromoform.....	<1.0	.....ND.....	
Bromomethane.....	<2.0	.....ND.....	
Carbon Tetrachloride.....	<1.0	.....ND.....	
Chlorobenzene.....	<1.0	.....ND.....	
Chloroethane.....	<2.0	.....ND.....	
Chloroform.....	<2.0	.....ND.....	
Chloromethane.....	<2.0	.....ND.....	
Dibromochloromethane.....	<1.0	.....ND.....	
1,1-Dichloroethane.....	<1.0	.....ND.....	
1,2-Dichloroethane.....	<2.0	.....ND.....	
1,1-Dichloroethene.....	<1.0	.....ND.....	
Trans-1,2-Dichloroethene.....	<1.0	.....ND.....	
1,2-Dichloropropane.....	<2.0	.....ND.....	
Cis-1,3-Dichloropropene.....	<1.0	.....ND.....	
Trans-1,3-Dichloropropene.....	<1.0	.....ND.....	
Ethylbenzene.....	<1.0	.....ND.....	
Methylene Chloride.....	<1.0	.....ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	.....ND.....	
Tetrachloroethene.....	<1.0	.....ND.....	
Toluene.....	<1.0	.....ND.....	
1,1,1-Trichloroethane.....	<1.0ND.....	
1,1,2-Trichloroethane.....	<1.0ND.....	
Trichloroethene.....	<1.0ND.....	



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Project Manager

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Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032036

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-25-1.0-1.5 SOIL

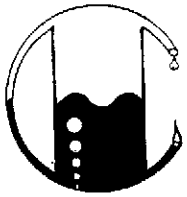
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

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Date Analyzed: 03-28-02

Sample Number

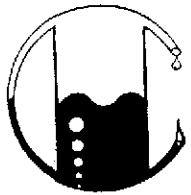
B032037

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-11-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Date Analyzed: 03-28-02

Sample Number

B032037

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-11-GW WATER

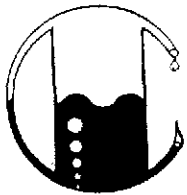
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



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D1-201-A\2162\014187

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Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
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Sample Number

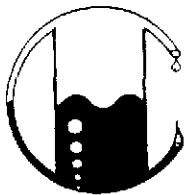
B032038

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-25-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



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Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032038

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-25-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549
Phone (925) 945-1266 • Fax (925) 943-6884

D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032039

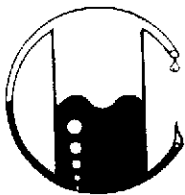
Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-20-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<10 *	ND.....	
Bromodichloromethane.....	<10	ND.....	
Bromoform.....	<10	ND.....	
Bromomethane.....	<20	ND.....	
Carbon Tetrachloride.....	<10	ND.....	
Chlorobenzene.....	<10	ND.....	
Chloroethane.....	<20	ND.....	
Chloroform.....	<20	ND.....	
Chloromethane.....	<20	ND.....	
Dibromochloromethane.....	<10	ND.....	
1,1-Dichloroethane.....	<10	ND.....	
1,2-Dichloroethane.....	<20	ND.....	
1,1-Dichloroethene.....	<10	ND.....	
Trans-1,2-Dichloroethene.....	<10	ND.....	
1,2-Dichloropropane.....	<20	ND.....	
Cis-1,3-Dichloropropene.....	<10	ND.....	
Trans-1,3-Dichloropropene.....	<10	ND.....	
Ethylbenzene.....	<10	ND.....	
Methylene Chloride.....	<10	ND.....	
1,1,2,2-Tetrachloroethane.....	<10	ND.....	
Tetrachloroethene.....	<10	ND.....	
Toluene.....	<10	ND.....	
1,1,1-Trichloroethane.....	<10	ND.....	
1,1,2-Trichloroethane.....	<10	ND.....	
Trichloroethene.....	<10	ND.....	

* = Sample diluted due to high diesel content.



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Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032039

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-20-GW WATER

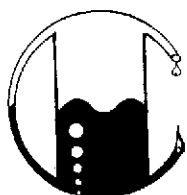
EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<30	ND.....	
Total Xylenes.....	<20	ND.....	
Acetone.....	<50	ND.....	
2-Butanone.....	<100	ND.....	
Carbon Disulfide.....	<10	ND.....	
2-Hexanone.....	<20	ND.....	
4-Methyl-2-Pentanone.....	<20	ND.....	
Styrene.....	<10	ND.....	
Vinyl Acetate.....	<50	ND.....	
Cis-1,2-Dichloroethene.....	<10	ND.....	
MTBE(Methyl tert-Butyl Ether)<20		ND.....	
TAME(Tert. Amyl Methyl Ether)<20		ND.....	
ETBE(Ethyl tert-Butyl Ether).<20		ND.....	
DIPE(Di-Isopropyl Ether).....<20		ND.....	
Tertiary Butanol.....<500		ND.....	
Ethanol.....<2000		ND.....	
Gasoline.....<2000		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549
Phone (925) 945-1266 • Fax (925) 943-6884

D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032040

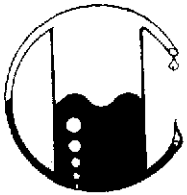
Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-31-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<10 *	ND.....	
Bromodichloromethane.....	<10	ND.....	
Bromoform.....	<10	ND.....	
Bromomethane.....	<20	ND.....	
Carbon Tetrachloride.....	<10	ND.....	
Chlorobenzene.....	<10	ND.....	
Chloroethane.....	<20	ND.....	
Chloroform.....	<20	ND.....	
Chloromethane.....	<20	ND.....	
Dibromochloromethane.....	<10	ND.....	
1,1-Dichloroethane.....	<10	ND.....	
1,2-Dichloroethane.....	<20	ND.....	
1,1-Dichloroethene.....	<10	ND.....	
Trans-1,2-Dichloroethene.....	<10	ND.....	
1,2-Dichloropropane.....	<20	ND.....	
Cis-1,3-Dichloropropene.....	<10	ND.....	
Trans-1,3-Dichloropropene.....	<10	ND.....	
Ethylbenzene.....	<10	ND.....	
Methylene Chloride.....	<10	ND.....	
1,1,2,2-Tetrachloroethane.....	<10	ND.....	
Tetrachloroethene.....	<10	ND.....	
Toluene.....	<10	ND.....	
1,1,1-Trichloroethane.....	<10	ND.....	
1,1,2-Trichloroethane.....	<10	ND.....	
Trichloroethene.....	<10	ND.....	

* = Sample diluted due to high diesel content.



MOBILE CHEM LABS INC.

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Phone (925) 945-1266 • Fax (925) 943-6884

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032040

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-31-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<30	ND.....	
Total Xylenes.....	<20	ND.....	
Acetone.....	<50	ND.....	
2-Butanone.....	<100	ND.....	
Carbon Disulfide.....	<10	ND.....	
2-Hexanone.....	<20	ND.....	
4-Methyl-2-Pentanone.....	<20	ND.....	
Styrene.....	<10	ND.....	
Vinyl Acetate.....	<50	ND.....	
Cis-1,2-Dichloroethene.....	<10	ND.....	
MTBE(Methyl tert-Butyl Ether)<20		ND.....	
TAME(Tert. Amyl Methyl Ether)<20		ND.....	
ETBE(Ethyl tert-Butyl Ether).<20		ND.....	
DIPE(Di-Isopropyl Ether).....<20		ND.....	
Tertiary Butanol.....<500		ND.....	
Ethanol.....<2000		ND.....	
Gasoline.....<2000		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

1678 Reliez Valley Road • Lafayette, CA 94549
Phone (925) 945-1266 • Fax (925) 943-6884

D1-201-A\2162\014187

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

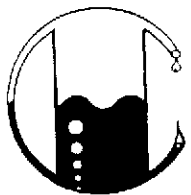
B032041

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-45-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Benzene.....	<1.0	ND.....	
Bromodichloromethane.....	<1.0	ND.....	
Bromoform.....	<1.0	ND.....	
Bromomethane.....	<2.0	ND.....	
Carbon Tetrachloride.....	<1.0	ND.....	
Chlorobenzene.....	<1.0	ND.....	
Chloroethane.....	<2.0	ND.....	
Chloroform.....	<2.0	ND.....	
Chloromethane.....	<2.0	ND.....	
Dibromochloromethane.....	<1.0	ND.....	
1,1-Dichloroethane.....	<1.0	ND.....	
1,2-Dichloroethane.....	<2.0	ND.....	
1,1-Dichloroethene.....	<1.0	ND.....	
Trans-1,2-Dichloroethene.....	<1.0	ND.....	
1,2-Dichloropropane.....	<2.0	ND.....	
Cis-1,3-Dichloropropene.....	<1.0	ND.....	
Trans-1,3-Dichloropropene.....	<1.0	ND.....	
Ethylbenzene.....	<1.0	ND.....	
Methylene Chloride.....	<1.0	ND.....	
1,1,2,2-Tetrachloroethane.....	<1.0	ND.....	
Tetrachloroethene.....	<1.0	ND.....	
Toluene.....	<1.0	ND.....	
1,1,1-Trichloroethane.....	<1.0	ND.....	
1,1,2-Trichloroethane.....	<1.0	ND.....	
Trichloroethene.....	<1.0	ND.....	



MOBILE CHEM LABS INC.

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Phone (925) 945-1266 • Fax (925) 943-6884

Iris Environmental, Inc.
1615 Broadway, Suite 1003
Oakland, CA 94612
Attn: Chris Alger
Project Manager

Date Sampled: 03-28-02
Date Received: 03-28-02
Date Analyzed: 03-28-02

Sample Number

B032041

Sample Description

7 th St.
Oakland, CA
Proj. # D1-201-A
MFC-45-GW WATER

EPA METHOD 8260
PURGEABLE ORGANICS

	Detection Limit µg/kg	Results µg/kg	Spike Recovery
Vinyl Chloride.....	<3.0	ND.....	
Total Xylenes.....	<2.0	ND.....	
Acetone.....	<5.0	ND.....	
2-Butanone.....	<10.0	ND.....	
Carbon Disulfide.....	<1.0	ND.....	
2-Hexanone.....	<2.0	ND.....	
4-Methyl-2-Pentanone.....	<2.0	ND.....	
Styrene.....	<1.0	ND.....	
Vinyl Acetate.....	<5.0	ND.....	
Cis-1,2-Dichloroethene.....	<1.0	ND.....	
MTBE(Methyl tert-Butyl Ether)<2.0		ND.....	
TAME(Tert. Amyl Methyl Ether)<2.0		ND.....	
ETBE(Ethyl tert-Butyl Ether).<2.0		ND.....	
DIPE(Di-Isopropyl Ether).....<2.0		ND.....	
Tertiary Butanol.....<50.0		ND.....	
Ethanol.....<200.0		ND.....	
Gasoline.....<200.0		ND.....	

Note: Analysis was performed using EPA methods 5030 and 8260B.

MOBILE CHEM LABS, INC.

Ronald G. Evans
Lab Director

IRIS ENVIRONMENTAL

1615 Broadway, Suite 1003
 Oakland, CA 94612
 (510) 834-4747
 (510) 834-4199 (fax)

CHAIN-OF-CUSTODY

Date: 03/26/02 Page 1 of 1

Samplers (signature): *SG*

Analyses Required

Sample ID	Date	Time	Matrix	Preserv.	Analyses Required										Number of Containers				
					NCLs B260	TPH B260	TPH B015												
MFC-38-5.5-6.0	03/26	835	SOIL	—	X	X	X												
MFC-8-5.5-6.0	03/26	835	SOIL	—	X	X	X												
MFC-8-8.0-8.5		900			X	X	X												
MFC-9-5.5-6.0		935			X	X	X												
MFC-41-4.5-5.0		1000			X	X	X												
MFC-40-5.0-5.5		915			X	X	X												
MFC-38-GW		1100	AQ	var.	X	X	X												
MFC-40-GW		1030			X	X	X												
MFC-41-GW		1200			X	X	X												
MFC-44-GW		1430			X	X	X												

Project Information
 Project Name: 7th St.
 Project Number: 01-201-A
 Contact: Emily Corwin
 E-mail: ecorwin@irisenv.com

Sample Receipt
 # of Containers: _____
 Head space: _____
 Temperature: _____
 Conforms to Record: _____

Report: Routine Level 2 Level 3 Level 4 Electronic
 TAT: 5-Day 24 48 72 Other: _____

Special Instructions/Comments:

Relinquished By:
Chris Alger
 (Signature): _____
 (Name): CHRIS ALGER
 (Company): IRIS

Received By:
Don Evans
 (Signature): _____
 (Name): DON EVANS
 (Company): MCL

Relinquished By:
 (Signature): _____
 (Name): _____
 (Company): _____

Received By:
 (Signature): _____
 (Name): _____
 (Company): _____

IRIS ENVIRONMENTAL
 1615 Broadway, Suite 1003
 Oakland, CA 94612
 (510) 834-4747
 (510) 834-4199 (fax)

CHAIN-OF-CUSTODY

Date: 08/28/02 Page 1 of 1

Samplers (signature):

SC

Sample ID	Date	Time	Matrix	Preserv.
MFC-27-GW	08/28	10 ³⁰	AQ	VARIOUS
MFC-25-7.5-8.0	|	1050	S	—
MFC-25-1.0-1.5	|	1040	S	—
MFC-11-GW	08/28	1155	AQ	VARIOUS
MFC-25-GW	|	12 ⁰⁰	AQ	VARIOUS
* MFC-20-GW	|	1250	AQ	HCL
* MFC-31-GW	|	1345	AQ	VAR
MFC-45-GW	|	1425	AQ	VAR

Analyses Required												Number of Containers
TPH	VOCS	TPH										
X	X	X										3
X	X	X										1
X	X	X										1
X	X	X										4
X	X	X										4
X	X											3
X	X	X										4
X	X	X										4

Project Information
 Project Name: Inst.
 Project Number: 01-201-A
 Contact: Chris Ayala
 E-mail: @irisenv.com

Sample Receipt
 # of Containers
 Head space
 Temperature
 Conforms to Record

Relinquished By:
SC 1815
 (Signature):
 (Name): EMILY COLLIN
 (Company): IRIS ENVIRONMENTAL

Received By:
[Signature]
 (Signature):
 (Name): ROD EVANS
 (Company): MEC

Report: Routine Level 2 Level 3 Level 4 Electronic
 TAT 5-Day 24 48 72 Other:

Special Instructions/Comments:
 * DIESEL PRODUCT WELLS

Relinquished By:
 (Signature):
 (Name):
 (Company):

Received By:
 (Signature):
 (Name):
 (Company):

IRIS ENVIRONMENTAL

1615 Broadway, Suite 1003
 Oakland, CA 94612
 (510) 834-4747
 (510) 834-4199 (fax)

CHAIN-OF-CUSTODY

Date: 03/26/02 Page 1 of 1

Samplers (signature): *SLi*

Sample ID	Date	Time	Matrix	Preserv.
MFC-33-6W	03/25	12 ³⁰	AQ.	VARIABLES
MFC-35-55-6.0		13 ⁵⁵	SOIL	—
MFC-33-5.5-6.0		11 ¹⁵	SOIL	—
MFC-37-5.0-5.5		14 ²⁵	SOIL	—
MFC-35-6W	↓	—	AQ	VARIABLES
MFC-37-6W	03/26	8 ⁰⁰	AQ.	VARIABLES

Analyses Required										Number of Containers
VOLs 8260	TPHs 8260	TPHs 8015								
X	X	X								4
X	X	X								1
X	X	X								1
X	X	X								1
X	X	X								4
X	X	X								4

Project Information
 Project Name: 7th St.
 Project Number: 01-201-22 A
 Contact: Emily Corwin
 E-mail: ecorwin@irisenv.com

Sample Receipt
 # of Containers: _____
 Head space: _____
 Temperature: _____
 Conforms to Record: _____

Relinquished By: *SLi*
 (Signature): _____
 (Name): EMILY CORWIN
 (Company): IRIS ENVIRONMENTAL

Received By: *Ron Evans*
 (Signature): _____
 (Name): RON EVANS
 (Company): M C 2

Report: Routine Level 2 Level 3 Level 4 Electronic
 TAT: 5-Day 24 48 72 Other: _____

Special Instructions/Comments:

Relinquished By:
 (Signature): _____
 (Name): _____
 (Company): _____

Received By:
 (Signature): _____
 (Name): _____
 (Company): _____

Submission #: 2002-03-0496

Date: April 9, 2002

SEVERN
TRENT
SERVICES

Iris Environmental

1615 Broadway, Suite 1003
Oakland, CA 94612

Attn: Chris Alger

Project: 01-201-A
2225/2277 Seventh St.

Site: Port of Oakland

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

Attached is our report for your samples received on Monday March 25, 2002
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
May 9, 2002 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.
You can also contact me via email. My email address is: tgranicher@chromalab.com
Sincerely,



Tod Granicher
Project Manager



STL San Francisco
1220 Quany Lane
Pleasanton, CA 94566

Tel: 925 484 1919
Fax: 925 484 1096
www.stl-inc.com

June 3, 2002

Ms. Emily Corwin
Iris Environmental
1615 Broadway, Suite 1003
Oakland, CA 94612


Dear Ms. Corwin:

This letter is to address the disposition of your sample MFC-33-GW, laboratory ID 2002-03-0496-11, received by STL-San Francisco on March 25, 2002.

This sample was misplaced by the laboratory before the TEPH analysis was performed. There is no TEPH data available for this sample. This incident was reported by telephone to Chris Alger when the report was submitted to Iris Environmental.

If you have any further questions, please feel free to contact me.

Sincerely,


Tod Granicher
Project Manager

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental	☒ 1615 Broadway, Suite 1003 Oakland, CA 94612
Attn: Chris Alger	Phone: (510) 834-4747 Fax: (510) 834-4199
01-201-A	Project: 2225/2277 Seventh St.
SitePort of Oakland	

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-19-2.0-2.5	Soil	03/25/2002 09:23	2
MFC-19-4.0-4.5	Soil	03/25/2002 09:30	3
MFC-31-4.5-5.0	Soil	03/25/2002 09:30	4
MFC-31-3.0-3.5	Soil	03/25/2002 09:30	6
MFC-18-3.0-3.5	Soil	03/25/2002 10:45	7
MFC-18-4.5-5.0	Soil	03/25/2002 11:12	9
MFC-33-3.0-3.5	Soil	03/25/2002 11:15	12
MFC-33-5.0-5.5	Soil	03/25/2002	13
MFC-14-3.0-3.5	Soil	03/25/2002 13:36	15
MFC-14-4.0-4.5	Soil	03/25/2002 13:45	17
MFC-37-4.5-5.0	Soil	03/25/2002 14:20	24
MFC-35-5.0-5.5	Soil	03/25/2002 13:45	26
MFC-35-2.0-2.5	Soil	03/25/2002 13:50	27
MFC-15-3.0-3.5	Soil	03/25/2002 14:17	28
MFC-15-4.5-5.0	Soil	03/25/2002 14:29	30
MFC-15-4.5-5.0-DUP	Soil	03/25/2002 14:30	31
MFC-16-4.0-4.5	Soil	03/25/2002	33

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

 Tel 925 484 1919
 Fax 925 484 1096
 www.stl-inc.com
 www.chromalab.com

CA DHS ELAP#1094

Sample ID: MFC-19-2.0-2.5	Lab Sample ID: 2002-03-0496-002
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 18:39
Sampled: 03/25/2002 09:23	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 18:39	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 18:39	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 18:39	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 18:39	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 18:39	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 18:39	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 18:39	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 18:39	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 18:39	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 18:39	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 18:39	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-19-2.0-2.5	Lab Sample ID: 2002-03-0496-002
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 18:39
Sampled: 03/25/2002 09:23	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 18:39	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 18:39	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 18:39	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 18:39	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 18:39	
Surrogate(s)						
4-Bromofluorobenzene	99.1	74-121	%	1.00	03/29/2002 18:39	
1,2-Dichloroethane-d4	123.5	70-121	%	1.00	03/29/2002 18:39	sh
Toluene-d8	113.4	81-117	%	1.00	03/29/2002 18:39	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-19-4.0-4.5	Lab Sample ID: 2002-03-0496-003
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 19:05
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 19:05	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 19:05	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 19:05	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 19:05	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 19:05	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 19:05	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 19:05	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 19:05	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 19:05	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 19:05	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 19:05	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-19-4.0-4.5	Lab Sample ID: 2002-03-0496-003
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 19:05
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 19:05	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 19:05	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 19:05	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 19:05	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 19:05	
Surrogate(s)						
4-Bromofluorobenzene	94.7	74-121	%	1.00	03/29/2002 19:05	
1,2-Dichloroethane-d4	120.2	70-121	%	1.00	03/29/2002 19:05	
Toluene-d8	114.2	81-117	%	1.00	03/29/2002 19:05	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-31-4.5-5.0	Lab Sample ID: 2002-03-0496-004
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 19:31
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 19:31	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 19:31	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 19:31	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 19:31	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 19:31	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 19:31	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 19:31	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 19:31	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 19:31	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 19:31	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 19:31	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-31-4.5-5.0	Lab Sample ID: 2002-03-0496-004
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 19:31
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 19:31	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 19:31	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 19:31	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 19:31	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 19:31	
Surrogate(s)						
4-Bromofluorobenzene	99.7	74-121	%	1.00	03/29/2002 19:31	
1,2-Dichloroethane-d4	119.1	70-121	%	1.00	03/29/2002 19:31	
Toluene-d8	111.0	81-117	%	1.00	03/29/2002 19:31	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-31-3.0-3.5	Lab Sample ID: 2002-03-0496-006
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 19:57
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 19:57	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 19:57	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 19:57	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 19:57	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 19:57	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 19:57	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 19:57	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 19:57	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 19:57	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 19:57	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 19:57	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-31-3.0-3.5	Lab Sample ID: 2002-03-0496-006
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 19:57
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 19:57	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 19:57	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 19:57	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 19:57	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 19:57	
Surrogate(s)						
4-Bromofluorobenzene	98.6	74-121	%	1.00	03/29/2002 19:57	
1,2-Dichloroethane-d4	127.7	70-121	%	1.00	03/29/2002 19:57	sh
Toluene-d8	109.4	81-117	%	1.00	03/29/2002 19:57	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-18-3.0-3.5	Lab Sample ID: 2002-03-0496-007
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 20:23
Sampled: 03/25/2002 10:45	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 20:23	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 20:23	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 20:23	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 20:23	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 20:23	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 20:23	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 20:23	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 20:23	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 20:23	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 20:23	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 20:23	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-18-3.0-3.5	Lab Sample ID: 2002-03-0496-007
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 20:23
Sampled: 03/25/2002 10:45	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 20:23	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 20:23	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 20:23	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 20:23	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 20:23	
Surrogate(s)						
4-Bromofluorobenzene	93.5	74-121	%	1.00	03/29/2002 20:23	
1,2-Dichloroethane-d4	113.2	70-121	%	1.00	03/29/2002 20:23	
Toluene-d8	109.2	81-117	%	1.00	03/29/2002 20:23	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

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CA DHS ELAP#1094

Sample ID: MFC-18-4.5-5.0	Lab Sample ID: 2002-03-0496-009
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 20:49
Sampled: 03/25/2002 11:12	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 20:49	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 20:49	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 20:49	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 20:49	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 20:49	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 20:49	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 20:49	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 20:49	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 20:49	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 20:49	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 20:49	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

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CA DHS ELAP#1094

Sample ID: MFC-18-4.5-5.0	Lab Sample ID: 2002-03-0496-009
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 20:49
Sampled: 03/25/2002 11:12	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 20:49	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 20:49	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 20:49	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 20:49	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 20:49	
Surrogate(s)						
4-Bromofluorobenzene	102.2	74-121	%	1.00	03/29/2002 20:49	
1,2-Dichloroethane-d4	124.6	70-121	%	1.00	03/29/2002 20:49	sh
Toluene-d8	112.6	81-117	%	1.00	03/29/2002 20:49	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

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CA DHS ELAP#1094

Sample ID: MFC-33-3.0-3.5	Lab Sample ID: 2002-03-0496-012
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 21:14
Sampled: 03/25/2002 11:15	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 21:14	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 21:14	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 21:14	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 21:14	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 21:14	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 21:14	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 21:14	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 21:14	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 21:14	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 21:14	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 21:14	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-33-3.0-3.5	Lab Sample ID: 2002-03-0496-012
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 21:14
Sampled: 03/25/2002 11:15	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 21:14	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 21:14	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 21:14	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 21:14	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 21:14	
Surrogate(s)						
4-Bromofluorobenzene	92.6	74-121	%	1.00	03/29/2002 21:14	
1,2-Dichloroethane-d4	115.0	70-121	%	1.00	03/29/2002 21:14	
Toluene-d8	113.9	81-117	%	1.00	03/29/2002 21:14	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-33-5.0-5.5	Lab Sample ID: 2002-03-0496-013
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 21:40
Sampled: 03/25/2002	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 21:40	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 21:40	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 21:40	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 21:40	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 21:40	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 21:40	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 21:40	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 21:40	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 21:40	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 21:40	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 21:40	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-33-5.0-5.5	Lab Sample ID: 2002-03-0496-013
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 21:40
Sampled: 03/25/2002	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 21:40	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 21:40	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 21:40	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 21:40	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 21:40	
Surrogate(s)						
4-Bromofluorobenzene	104.9	74-121	%	1.00	03/29/2002 21:40	
1,2-Dichloroethane-d4	115.1	70-121	%	1.00	03/29/2002 21:40	
Toluene-d8	111.8	81-117	%	1.00	03/29/2002 21:40	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-14-3.0-3.5	Lab Sample ID: 2002-03-0496-015
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 22:06
Sampled: 03/25/2002 13:36	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 22:06	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 22:06	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 22:06	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 22:06	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 22:06	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 22:06	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 22:06	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 22:06	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 22:06	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 22:06	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 22:06	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-14-3.0-3.5	Lab Sample ID: 2002-03-0496-015
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 22:06
Sampled: 03/25/2002 13:36	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 22:06	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 22:06	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 22:06	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 22:06	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 22:06	
Surrogate(s)						
4-Bromofluorobenzene	103.5	74-121	%	1.00	03/29/2002 22:06	
1,2-Dichloroethane-d4	107.7	70-121	%	1.00	03/29/2002 22:06	
Toluene-d8	110.5	81-117	%	1.00	03/29/2002 22:06	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-14-4.0-4.5	Lab Sample ID: 2002-03-0496-017
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 22:31
Sampled: 03/25/2002 13:45	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Acetone	ND	50	ug/Kg	1.00	03/29/2002 22:31	
Benzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Bromobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Bromochloromethane	ND	20	ug/Kg	1.00	03/29/2002 22:31	
Bromoform	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Bromomethane	ND	10	ug/Kg	1.00	03/29/2002 22:31	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	03/29/2002 22:31	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Carbon disulfide	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Chlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Chloroethane	ND	10	ug/Kg	1.00	03/29/2002 22:31	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	03/29/2002 22:31	
Chloroform	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Chloromethane	ND	10	ug/Kg	1.00	03/29/2002 22:31	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	03/29/2002 22:31	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	03/29/2002 22:31	
Dibromomethane	ND	10	ug/Kg	1.00	03/29/2002 22:31	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	03/29/2002 22:31	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
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Sample ID: MFC-14-4.0-4.5	Lab Sample ID: 2002-03-0496-017
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 22:31
Sampled: 03/25/2002 13:45	QC-Batch: 2002/03/29-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Ethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
2-Hexanone	ND	50	ug/Kg	1.00	03/29/2002 22:31	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Methylene chloride	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	03/29/2002 22:31	
Naphthalene	ND	10	ug/Kg	1.00	03/29/2002 22:31	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Styrene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Toluene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Trichloroethene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Vinyl acetate	ND	50	ug/Kg	1.00	03/29/2002 22:31	
Vinyl chloride	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Total xylenes	ND	5.0	ug/Kg	1.00	03/29/2002 22:31	
Surrogate(s)						
4-Bromofluorobenzene	91.0	74-121	%	1.00	03/29/2002 22:31	
1,2-Dichloroethane-d4	100.9	70-121	%	1.00	03/29/2002 22:31	
Toluene-d8	109.5	81-117	%	1.00	03/29/2002 22:31	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-37-4.5-5.0	Lab Sample ID: 2002-03-0496-024
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 14:37
Sampled: 03/25/2002 14:20	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Acetone	ND	170	ug/Kg	3.45	04/02/2002 14:37	
Benzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Bromodichloromethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Bromobenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Bromochloromethane	ND	69	ug/Kg	3.45	04/02/2002 14:37	
Bromoform	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Bromomethane	ND	34	ug/Kg	3.45	04/02/2002 14:37	
2-Butanone(MEK)	ND	170	ug/Kg	3.45	04/02/2002 14:37	
n-Butylbenzene	170	17	ug/Kg	3.45	04/02/2002 14:37	
sec-Butylbenzene	120	17	ug/Kg	3.45	04/02/2002 14:37	
tert-Butylbenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Carbon disulfide	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Carbon tetrachloride	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Chlorobenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Chloroethane	ND	34	ug/Kg	3.45	04/02/2002 14:37	
2-Chloroethylvinyl ether	ND	170	ug/Kg	3.45	04/02/2002 14:37	
Chloroform	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Chloromethane	ND	34	ug/Kg	3.45	04/02/2002 14:37	
2-Chlorotoluene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
4-Chlorotoluene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Dibromochloromethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,2-Dichlorobenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,3-Dichlorobenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,4-Dichlorobenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,3-Dichloropropane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
2,2-Dichloropropane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,1-Dichloropropene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,2-Dibromo-3-chloropropane	ND	170	ug/Kg	3.45	04/02/2002 14:37	
1,2-Dibromoethane	ND	34	ug/Kg	3.45	04/02/2002 14:37	
Dibromomethane	ND	34	ug/Kg	3.45	04/02/2002 14:37	
Dichlorodifluoromethane	ND	34	ug/Kg	3.45	04/02/2002 14:37	
1,1-Dichloroethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,2-Dichloroethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,1-Dichloroethene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
cis-1,2-Dichloroethene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
trans-1,2-Dichloroethene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,2-Dichloropropane	ND	17	ug/Kg	3.45	04/02/2002 14:37	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
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Sample ID: MFC-37-4.5-5.0	Lab Sample ID: 2002-03-0496-024
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 14:37
Sampled: 03/25/2002 14:20	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
trans-1,3-Dichloropropene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Ethylbenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Hexachlorobutadiene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
2-Hexanone	ND	170	ug/Kg	3.45	04/02/2002 14:37	
Isopropylbenzene	98	17	ug/Kg	3.45	04/02/2002 14:37	
p-Isopropyltoluene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Methylene chloride	ND	17	ug/Kg	3.45	04/02/2002 14:37	
4-Methyl-2-pentanone (MIBK)	ND	170	ug/Kg	3.45	04/02/2002 14:37	
Naphthalene	240	34	ug/Kg	3.45	04/02/2002 14:37	
n-Propylbenzene	170	17	ug/Kg	3.45	04/02/2002 14:37	
Styrene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,1,1,2-Tetrachloroethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,1,2,2-Tetrachloroethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Tetrachloroethene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Toluene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,2,3-Trichlorobenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,2,4-Trichlorobenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,1,1-Trichloroethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,1,2-Trichloroethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Trichloroethene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Trichlorofluoromethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Trichlorotrifluoroethane	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,2,4-Trimethylbenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
1,3,5-Trimethylbenzene	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Vinyl acetate	ND	170	ug/Kg	3.45	04/02/2002 14:37	
Vinyl chloride	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Total xylenes	ND	17	ug/Kg	3.45	04/02/2002 14:37	
Surrogate(s)						
4-Bromofluorobenzene	111.9	74-121	%	3.45	04/02/2002 14:37	
1,2-Dichloroethane-d4	112.5	70-121	%	3.45	04/02/2002 14:37	
Toluene-d8	113.9	81-117	%	3.45	04/02/2002 14:37	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-35-5.0-5.5	Lab Sample ID: 2002-03-0496-026
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 15:03
Sampled: 03/25/2002 13:45	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 15:03	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 15:03	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 15:03	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 15:03	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 15:03	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 15:03	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 15:03	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 15:03	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 15:03	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 15:03	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 15:03	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-35-5.0-5.5	Lab Sample ID: 2002-03-0496-026
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 15:03
Sampled: 03/25/2002 13:45	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 15:03	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 15:03	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 15:03	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 15:03	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 15:03	
Surrogate(s)						
4-Bromofluorobenzene	109.7	74-121	%	1.00	04/02/2002 15:03	
1,2-Dichloroethane-d4	112.0	70-121	%	1.00	04/02/2002 15:03	
Toluene-d8	118.6	81-117	%	1.00	04/02/2002 15:03	sh

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-35-2.0-2.5	Lab Sample ID: 2002-03-0496-027
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 15:30
Sampled: 03/25/2002 13:50	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 15:30	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 15:30	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 15:30	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 15:30	
n-Butylbenzene	5.7	5.0	ug/Kg	1.00	04/02/2002 15:30	
sec-Butylbenzene	20	5.0	ug/Kg	1.00	04/02/2002 15:30	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 15:30	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 15:30	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 15:30	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 15:30	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 15:30	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 15:30	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 15:30	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-35-2.0-2.5	Lab Sample ID: 2002-03-0496-027
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 15:30
Sampled: 03/25/2002 13:50	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 15:30	
Isopropylbenzene	5.1	5.0	ug/Kg	1.00	04/02/2002 15:30	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 15:30	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 15:30	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 15:30	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 15:30	
Surrogate(s)						
4-Bromofluorobenzene	92.8	74-121	%	1.00	04/02/2002 15:30	
1,2-Dichloroethane-d4	124.6	70-121	%	1.00	04/02/2002 15:30	sh
Toluene-d8	105.6	81-117	%	1.00	04/02/2002 15:30	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-15-3.0-3.5	Lab Sample ID: 2002-03-0496-028
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 15:56
Sampled: 03/25/2002 14:17	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 15:56	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 15:56	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 15:56	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 15:56	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 15:56	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 15:56	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 15:56	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 15:56	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 15:56	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 15:56	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 15:56	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-15-3.0-3.5	Lab Sample ID: 2002-03-0496-028
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 15:56
Sampled: 03/25/2002 14:17	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 15:56	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 15:56	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 15:56	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 15:56	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 15:56	
Surrogate(s)						
4-Bromofluorobenzene	102.7	74-121	%	1.00	04/02/2002 15:56	
1,2-Dichloroethane-d4	114.8	70-121	%	1.00	04/02/2002 15:56	
Toluene-d8	122.2	81-117	%	1.00	04/02/2002 15:56	sh

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-15-4.5-5.0	Lab Sample ID: 2002-03-0496-030
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 18:35
Sampled: 03/25/2002 14:29	QC-Batch: 2002/04/01-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Acetone	ND	50	ug/Kg	1.00	04/01/2002 18:35	
Benzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Bromochloromethane	ND	20	ug/Kg	1.00	04/01/2002 18:35	
Bromoform	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Bromomethane	ND	10	ug/Kg	1.00	04/01/2002 18:35	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/01/2002 18:35	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Chloroethane	ND	10	ug/Kg	1.00	04/01/2002 18:35	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/01/2002 18:35	
Chloroform	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Chloromethane	ND	10	ug/Kg	1.00	04/01/2002 18:35	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/01/2002 18:35	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/01/2002 18:35	
Dibromomethane	ND	10	ug/Kg	1.00	04/01/2002 18:35	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/01/2002 18:35	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-15-4.5-5.0	Lab Sample ID: 2002-03-0496-030
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 18:35
Sampled: 03/25/2002 14:29	QC-Batch: 2002/04/01-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
2-Hexanone	ND	50	ug/Kg	1.00	04/01/2002 18:35	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/01/2002 18:35	
Naphthalene	ND	10	ug/Kg	1.00	04/01/2002 18:35	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Styrene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Toluene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Vinyl acetate	ND	50	ug/Kg	1.00	04/01/2002 18:35	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Total xylenes	ND	5.0	ug/Kg	1.00	04/01/2002 18:35	
Surrogate(s)						
4-Bromofluorobenzene	108.4	74-121	%	1.00	04/01/2002 18:35	
1,2-Dichloroethane-d4	116.7	70-121	%	1.00	04/01/2002 18:35	
Toluene-d8	113.0	81-117	%	1.00	04/01/2002 18:35	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-15-4.5-5.0-DUP	Lab Sample ID: 2002-03-0496-031
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 16:48
Sampled: 03/25/2002 14:30	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 16:48	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 16:48	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 16:48	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 16:48	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 16:48	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 16:48	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 16:48	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 16:48	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 16:48	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 16:48	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 16:48	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-15-4.5-5.0-DUP	Lab Sample ID: 2002-03-0496-031
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 16:48
Sampled: 03/25/2002 14:30	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 16:48	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 16:48	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 16:48	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 16:48	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 16:48	
Surrogate(s)						
4-Bromofluorobenzene	106.2	74-121	%	1.00	04/02/2002 16:48	
1,2-Dichloroethane-d4	107.7	70-121	%	1.00	04/02/2002 16:48	
Toluene-d8	114.3	81-117	%	1.00	04/02/2002 16:48	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-16-4.0-4.5	Lab Sample ID: 2002-03-0496-033
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/04/2002 20:57
Sampled: 03/25/2002	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 20:57	
Benzene	10	5.0	ug/Kg	1.00	04/04/2002 20:57	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 20:57	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 20:57	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 20:57	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 20:57	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 20:57	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 20:57	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 20:57	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 20:57	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 20:57	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 20:57	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-16-4.0-4.5	Lab Sample ID: 2002-03-0496-033
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/04/2002 20:57
Sampled: 03/25/2002	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 20:57	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 20:57	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 20:57	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 20:57	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 20:57	
Surrogate(s)						
4-Bromofluorobenzene	115.9	74-121	%	1.00	04/04/2002 20:57	
1,2-Dichloroethane-d4	97.9	70-121	%	1.00	04/04/2002 20:57	
Toluene-d8	98.7	81-117	%	1.00	04/04/2002 20:57	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/03/29-01.09

MB: 2002/03/29-01.09-004

Date Extracted: 03/29/2002 12:20

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	03/29/2002 12:20	
2-Hexanone	ND	50	ug/Kg	03/29/2002 12:20	
Isopropylbenzene	ND	5.0	ug/Kg	03/29/2002 12:20	
p-Isopropyltoluene	ND	5.0	ug/Kg	03/29/2002 12:20	
Methylene chloride	ND	5.0	ug/Kg	03/29/2002 12:20	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	03/29/2002 12:20	
Naphthalene	ND	10	ug/Kg	03/29/2002 12:20	
n-Propylbenzene	ND	5.0	ug/Kg	03/29/2002 12:20	
Styrene	ND	5.0	ug/Kg	03/29/2002 12:20	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	03/29/2002 12:20	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	03/29/2002 12:20	
Tetrachloroethene	ND	5.0	ug/Kg	03/29/2002 12:20	
Toluene	ND	5.0	ug/Kg	03/29/2002 12:20	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	03/29/2002 12:20	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	03/29/2002 12:20	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	03/29/2002 12:20	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	03/29/2002 12:20	
Trichloroethene	ND	5.0	ug/Kg	03/29/2002 12:20	
Trichlorofluoromethane	ND	5.0	ug/Kg	03/29/2002 12:20	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	03/29/2002 12:20	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	03/29/2002 12:20	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	03/29/2002 12:20	
Vinyl acetate	ND	50	ug/Kg	03/29/2002 12:20	
Vinyl chloride	ND	5.0	ug/Kg	03/29/2002 12:20	
Total xylenes	ND	5.0	ug/Kg	03/29/2002 12:20	
Surrogate(s)					
4-Bromofluorobenzene	102.1	74-121	%	03/29/2002 12:20	
1,2-Dichloroethane-d4	114.6	70-121	%	03/29/2002 12:20	
Toluene-d8	111.7	81-117	%	03/29/2002 12:20	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/04/02-01.09

MB: 2002/04/02-01.09-029

Date Extracted: 04/02/2002 12:15

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/02/2002 12:15	
2-Hexanone	ND	50	ug/Kg	04/02/2002 12:15	
Isopropylbenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/02/2002 12:15	
Methylene chloride	ND	5.0	ug/Kg	04/02/2002 12:15	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/02/2002 12:15	
Naphthalene	ND	10	ug/Kg	04/02/2002 12:15	
n-Propylbenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
Styrene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/02/2002 12:15	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/02/2002 12:15	
Tetrachloroethene	ND	5.0	ug/Kg	04/02/2002 12:15	
Toluene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/02/2002 12:15	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/02/2002 12:15	
Trichloroethene	ND	5.0	ug/Kg	04/02/2002 12:15	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/02/2002 12:15	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/02/2002 12:15	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
Vinyl acetate	ND	50	ug/Kg	04/02/2002 12:15	
Vinyl chloride	ND	5.0	ug/Kg	04/02/2002 12:15	
Total xylenes	ND	5.0	ug/Kg	04/02/2002 12:15	
Surrogate(s)					
4-Bromofluorobenzene	108.8	74-121	%	04/02/2002 12:15	
1,2-Dichloroethane-d4	104.9	70-121	%	04/02/2002 12:15	
Toluene-d8	116.3	81-117	%	04/02/2002 12:15	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/04/04-01.06

MB: 2002/04/04-01.06-004

Date Extracted: 04/04/2002 12:43

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/04/2002 12:43	
Acetone	ND	50	ug/Kg	04/04/2002 12:43	
Benzene	ND	5.0	ug/Kg	04/04/2002 12:43	
Bromodichloromethane	ND	5.0	ug/Kg	04/04/2002 12:43	
Bromobenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
Bromochloromethane	ND	20	ug/Kg	04/04/2002 12:43	
Bromoform	ND	5.0	ug/Kg	04/04/2002 12:43	
Bromomethane	ND	10	ug/Kg	04/04/2002 12:43	
2-Butanone(MEK)	ND	50	ug/Kg	04/04/2002 12:43	
n-Butylbenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
sec-Butylbenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
tert-Butylbenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
Carbon disulfide	ND	5.0	ug/Kg	04/04/2002 12:43	
Carbon tetrachloride	ND	5.0	ug/Kg	04/04/2002 12:43	
Chlorobenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
Chloroethane	ND	10	ug/Kg	04/04/2002 12:43	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/04/2002 12:43	
Chloroform	ND	5.0	ug/Kg	04/04/2002 12:43	
Chloromethane	ND	10	ug/Kg	04/04/2002 12:43	
2-Chlorotoluene	ND	5.0	ug/Kg	04/04/2002 12:43	
4-Chlorotoluene	ND	5.0	ug/Kg	04/04/2002 12:43	
Dibromochloromethane	ND	5.0	ug/Kg	04/04/2002 12:43	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/04/2002 12:43	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/04/2002 12:43	
1,1-Dichloropropane	ND	5.0	ug/Kg	04/04/2002 12:43	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/04/2002 12:43	
1,2-Dibromoethane	ND	10	ug/Kg	04/04/2002 12:43	
Dibromomethane	ND	10	ug/Kg	04/04/2002 12:43	
Dichlorodifluoromethane	ND	10	ug/Kg	04/04/2002 12:43	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/04/2002 12:43	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/04/2002 12:43	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/04/2002 12:43	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/04/2002 12:43	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/04/2002 12:43	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/04/2002 12:43	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/04/2002 12:43	
Ethylbenzene	ND	5.0	ug/Kg	04/04/2002 12:43	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/04/04-01.06

MB: 2002/04/04-01.06-004

Date Extracted: 04/04/2002 12:43

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/04/2002 12:43	
2-Hexanone	ND	50	ug/Kg	04/04/2002 12:43	
Isopropylbenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/04/2002 12:43	
Methylene chloride	ND	5.0	ug/Kg	04/04/2002 12:43	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/04/2002 12:43	
Naphthalene	ND	10	ug/Kg	04/04/2002 12:43	
n-Propylbenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
Styrene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/04/2002 12:43	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/04/2002 12:43	
Tetrachloroethene	ND	5.0	ug/Kg	04/04/2002 12:43	
Toluene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/04/2002 12:43	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/04/2002 12:43	
Trichloroethene	ND	5.0	ug/Kg	04/04/2002 12:43	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/04/2002 12:43	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/04/2002 12:43	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/04/2002 12:43	
Vinyl acetate	ND	50	ug/Kg	04/04/2002 12:43	
Vinyl chloride	ND	5.0	ug/Kg	04/04/2002 12:43	
Total xylenes	ND	5.0	ug/Kg	04/04/2002 12:43	
Surrogate(s)					
4-Bromofluorobenzene	101.6	74-121	%	04/04/2002 12:43	
1,2-Dichloroethane-d4	97.1	70-121	%	04/04/2002 12:43	
Toluene-d8	97.7	81-117	%	04/04/2002 12:43	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/29-01.09
 LCS: 2002/03/29-01.09-005 Extracted: 03/29/2002 12:46 Analyzed: 03/29/2002 12:46
 LCSD: 2002/03/29-01.09-003 Extracted: 03/29/2002 11:54 Analyzed: 03/29/2002 11:54

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	92.3	103	100.0	100.0	92.3	103.0	11.0	69-129	20		
Chlorobenzene	82.8	93.1	100.0	100.0	82.8	93.1	11.7	61-121	20		
1,1-Dichloroethene	90.6	107	100.0	100.0	90.6	107.0	16.6	65-125	20		
Toluene	90.5	105	100.0	100.0	90.5	105.0	14.8	70-130	20		
Trichloroethene	94.2	104	100.0	100.0	94.2	104.0	9.9	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	464	565	500	500	92.8	113.0		74-121			
1,2-Dichloroethane-d4	529	531	500	500	105.8	106.2		70-121			
Toluene-d8	515	558	500	500	103.0	111.6		81-117			

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/02-01.09
 LCS: 2002/04/02-01.09-002 Extracted: 04/02/2002 10:16 Analyzed: 04/02/2002 10:16
 LCSD: 2002/04/02-01.09-003 Extracted: 04/02/2002 10:49 Analyzed: 04/02/2002 10:49

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Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	92.1	96.2	100.0	100.0	92.1	96.2	4.4	69-129	20		
Chlorobenzene	96.8	97.2	100.0	100.0	96.8	97.2	0.4	61-121	20		
1,1-Dichloroethene	96.3	95.2	100.0	100.0	96.3	95.2	1.1	65-125	20		
Toluene	97.6	99.2	100.0	100.0	97.6	99.2	1.6	70-130	20		
Trichloroethene	97.4	99.6	100.0	100.0	97.4	99.6	2.2	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	554	578	500	500	110.8	115.6		74-121			
1,2-Dichloroethane-d4	530	545	500	500	106.0	109.0		70-121			
Toluene-d8	548	570	500	500	109.6	114.0		81-117			

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/04-01.06
 LCS: 2002/04/04-01.06-002 Extracted: 04/04/2002 11:38 Analyzed: 04/04/2002 11:38
 LCSD: 2002/04/04-01.06-003 Extracted: 04/04/2002 12:14 Analyzed: 04/04/2002 12:14

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	109	107	100.0	100.0	109.0	107.0	1.9	69-129	20		
Chlorobenzene	99.7	99.7	100.0	100.0	99.7	99.7	0.0	61-121	20		
1,1-Dichloroethene	113	111	100.0	100.0	113.0	111.0	1.8	65-125	20		
Toluene	108	106	100.0	100.0	108.0	106.0	1.9	70-130	20		
Trichloroethene	107	103	100.0	100.0	107.0	103.0	3.8	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	482	493	500	500	96.4	98.6		74-121			
1,2-Dichloroethane-d4	467	472	500	500	93.4	94.4		70-121			
Toluene-d8	488	494	500	500	97.6	98.8		81-117			

Submission #: 2002-03-0496



Volatile Organic Compounds by 8260B (Low Level)

Legend & Notes

Test Method: 8260B

Prep Method: 5035

Analyte Flags

sh

Surrogate recovery was higher than QC limit due to matrix interference.

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CA DHS ELAP#1094

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental	☒ 1615 Broadway, Suite 1003 Oakland, CA 94612
Attn: Chris Alger	Phone: (510) 834-4747 Fax: (510) 834-4199
01-201-A	Project: 2225/2277 Seventh St.
SitePort of Oakland	

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Pleasanton, CA 94566

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-31-GW	Water	03/25/2002 11:30	10
MFC-33-GW	Water	03/25/2002 12:30	11
MFC-14-GW	Water	03/25/2002 15:35	18
EB-032502	Water	03/25/2002 16:30	20
MFC-35-GW	Water	03/25/2002 17:00	21
TB-032502B	Water	03/25/2002 17:30	22
MFC-18-GW	Water	03/25/2002	44
MFC-19-GW	Water	03/25/2002 10:00	45
TB-032502A	Water	03/25/2002	46
TB-032502C	Water	03/25/2002	47

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: **MFC-31-GW** Lab Sample ID: 2002-03-0496-010
 Project: 01-201-A Received: 03/25/2002 18:10
 2225/2277 Seventh St.
 Site: Port of Oakland Extracted: 04/03/2002 01:50
 Sampled: 03/25/2002 11:30 QC-Batch: 2002/04/02-01.60
 Matrix: Water
 Sample/Analysis Flag: o (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	20	ug/L	4.00	04/03/2002 01:50	
Acetone	ND	200	ug/L	4.00	04/03/2002 01:50	
Benzene	11	2.0	ug/L	4.00	04/03/2002 01:50	
Bromodichloromethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Bromobenzene	ND	4.0	ug/L	4.00	04/03/2002 01:50	
Bromochloromethane	ND	4.0	ug/L	4.00	04/03/2002 01:50	
Bromoform	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Bromomethane	ND	4.0	ug/L	4.00	04/03/2002 01:50	
2-Butanone(MEK)	ND	200	ug/L	4.00	04/03/2002 01:50	
n-Butylbenzene	ND	4.0	ug/L	4.00	04/03/2002 01:50	
sec-Butylbenzene	15	4.0	ug/L	4.00	04/03/2002 01:50	
tert-Butylbenzene	ND	4.0	ug/L	4.00	04/03/2002 01:50	
Carbon disulfide	ND	20	ug/L	4.00	04/03/2002 01:50	
Carbon tetrachloride	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Chlorobenzene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Chloroethane	ND	4.0	ug/L	4.00	04/03/2002 01:50	
2-Chloroethylvinyl ether	ND	20	ug/L	4.00	04/03/2002 01:50	
Chloroform	ND	4.0	ug/L	4.00	04/03/2002 01:50	
Chloromethane	ND	4.0	ug/L	4.00	04/03/2002 01:50	
2-Chlorotoluene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
4-Chlorotoluene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Dibromochloromethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,3-Dichloropropane	ND	4.0	ug/L	4.00	04/03/2002 01:50	
2,2-Dichloropropane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,1-Dichloropropene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,2-Dibromo-3-chloropropane	ND	4.0	ug/L	4.00	04/03/2002 01:50	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Dibromomethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
cis-1,2-Dichloroethene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	04/03/2002 01:50	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-31-GW	Lab Sample ID: 2002-03-0496-010
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 01:50
Sampled: 03/25/2002 11:30	QC-Batch: 2002/04/02-01.60
Matrix: Water	
Sample/Analysis Flag: o (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,2-Dichloropropane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Ethylbenzene	2.0	2.0	ug/L	4.00	04/03/2002 01:50	
Hexachlorobutadiene	ND	4.0	ug/L	4.00	04/03/2002 01:50	
2-Hexanone	ND	200	ug/L	4.00	04/03/2002 01:50	
Isopropylbenzene	16	2.0	ug/L	4.00	04/03/2002 01:50	
p-Isopropyltoluene	ND	4.0	ug/L	4.00	04/03/2002 01:50	
Methylene chloride	ND	20	ug/L	4.00	04/03/2002 01:50	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	04/03/2002 01:50	
Naphthalene	350	4.0	ug/L	4.00	04/03/2002 01:50	
n-Propylbenzene	24	4.0	ug/L	4.00	04/03/2002 01:50	
Styrene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Tetrachloroethene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Toluene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,2,3-Trichlorobenzene	ND	4.0	ug/L	4.00	04/03/2002 01:50	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	4.00	04/03/2002 01:50	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Trichloroethene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	04/03/2002 01:50	
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Vinyl acetate	ND	100	ug/L	4.00	04/03/2002 01:50	
Vinyl chloride	ND	2.0	ug/L	4.00	04/03/2002 01:50	
Total xylenes	ND	4.0	ug/L	4.00	04/03/2002 01:50	
Surrogate(s)						
4-Bromofluorobenzene	105.8	86-115	%	4.00	04/03/2002 01:50	
1,2-Dichloroethane-d4	104.1	76-114	%	4.00	04/03/2002 01:50	
Toluene-d8	94.5	88-110	%	4.00	04/03/2002 01:50	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-33-GW	Lab Sample ID: 2002-03-0496-011
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 20:30
Sampled: 03/25/2002 12:30	QC-Batch: 2002/04/01-01.60
Matrix: Water	
Sample/Analysis Flag: Im (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	10	ug/L	2.00	04/01/2002 20:30	
Acetone	ND	100	ug/L	2.00	04/01/2002 20:30	
Benzene	2.1	1.0	ug/L	2.00	04/01/2002 20:30	
Bromodichloromethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Bromobenzene	ND	2.0	ug/L	2.00	04/01/2002 20:30	
Bromochloromethane	ND	2.0	ug/L	2.00	04/01/2002 20:30	
Bromoform	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Bromomethane	ND	2.0	ug/L	2.00	04/01/2002 20:30	
2-Butanone(MEK)	ND	100	ug/L	2.00	04/01/2002 20:30	
n-Butylbenzene	6.2	2.0	ug/L	2.00	04/01/2002 20:30	
sec-Butylbenzene	4.0	2.0	ug/L	2.00	04/01/2002 20:30	
tert-Butylbenzene	ND	2.0	ug/L	2.00	04/01/2002 20:30	
Carbon disulfide	ND	10	ug/L	2.00	04/01/2002 20:30	
Carbon tetrachloride	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Chlorobenzene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Chloroethane	ND	2.0	ug/L	2.00	04/01/2002 20:30	
2-Chloroethylvinyl ether	ND	10	ug/L	2.00	04/01/2002 20:30	
Chloroform	ND	2.0	ug/L	2.00	04/01/2002 20:30	
Chloromethane	ND	2.0	ug/L	2.00	04/01/2002 20:30	
2-Chlorotoluene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
4-Chlorotoluene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Dibromochloromethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,2-Dichlorobenzene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,3-Dichlorobenzene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,4-Dichlorobenzene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,3-Dichloropropane	ND	2.0	ug/L	2.00	04/01/2002 20:30	
2,2-Dichloropropane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,1-Dichloropropene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	2.00	04/01/2002 20:30	
1,2-Dibromoethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Dibromomethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Dichlorodifluoromethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,1-Dichloroethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,2-Dichloroethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,1-Dichloroethene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
cis-1,2-Dichloroethene	1.6	1.0	ug/L	2.00	04/01/2002 20:30	
trans-1,2-Dichloroethene	ND	1.0	ug/L	2.00	04/01/2002 20:30	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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Pleasanton, CA 94566

Sample ID: MFC-33-GW	Lab Sample ID: 2002-03-0496-011
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 20:30
Sampled: 03/25/2002 12:30	QC-Batch: 2002/04/01-01.60
Matrix: Water	
Sample/Analysis Flag: lrm (See Legend & Note section)	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,2-Dichloropropane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
cis-1,3-Dichloropropene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
trans-1,3-Dichloropropene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Ethylbenzene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Hexachlorobutadiene	ND	2.0	ug/L	2.00	04/01/2002 20:30	
2-Hexanone	ND	100	ug/L	2.00	04/01/2002 20:30	
Isopropylbenzene	1.3	1.0	ug/L	2.00	04/01/2002 20:30	
p-Isopropyltoluene	ND	2.0	ug/L	2.00	04/01/2002 20:30	
Methylene chloride	ND	10	ug/L	2.00	04/01/2002 20:30	
4-Methyl-2-pentanone (MIBK)	ND	100	ug/L	2.00	04/01/2002 20:30	
Naphthalene	43	2.0	ug/L	2.00	04/01/2002 20:30	
n-Propylbenzene	ND	2.0	ug/L	2.00	04/01/2002 20:30	
Styrene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Tetrachloroethene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Toluene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	2.00	04/01/2002 20:30	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	2.00	04/01/2002 20:30	
1,1,1-Trichloroethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,1,2-Trichloroethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Trichloroethene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Trichlorofluoromethane	ND	2.0	ug/L	2.00	04/01/2002 20:30	
Trichlorotrifluoroethane	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Vinyl acetate	ND	50	ug/L	2.00	04/01/2002 20:30	
Vinyl chloride	ND	1.0	ug/L	2.00	04/01/2002 20:30	
Total xylenes	ND	2.0	ug/L	2.00	04/01/2002 20:30	
Surrogate(s)						
4-Bromofluorobenzene	105.7	86-115	%	2.00	04/01/2002 20:30	
1,2-Dichloroethane-d4	96.4	76-114	%	2.00	04/01/2002 20:30	
Toluene-d8	97.0	88-110	%	2.00	04/01/2002 20:30	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-14-GW	Lab Sample ID: 2002-03-0496-018
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 18:15
Sampled: 03/25/2002 15:35	QC-Batch: 2002/04/01-01.60
Matrix: Water	
Sample/Analysis Flag: o (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	20	ug/L	4.00	04/01/2002 18:15	
Acetone	ND	200	ug/L	4.00	04/01/2002 18:15	
Benzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Bromodichloromethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Bromobenzene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
Bromochloromethane	ND	4.0	ug/L	4.00	04/01/2002 18:15	
Bromoform	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Bromomethane	ND	4.0	ug/L	4.00	04/01/2002 18:15	
2-Butanone(MEK)	ND	200	ug/L	4.00	04/01/2002 18:15	
n-Butylbenzene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
sec-Butylbenzene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
tert-Butylbenzene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
Carbon disulfide	ND	20	ug/L	4.00	04/01/2002 18:15	
Carbon tetrachloride	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Chlorobenzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Chloroethane	ND	4.0	ug/L	4.00	04/01/2002 18:15	
2-Chloroethylvinyl ether	ND	20	ug/L	4.00	04/01/2002 18:15	
Chloroform	ND	4.0	ug/L	4.00	04/01/2002 18:15	
Chloromethane	ND	4.0	ug/L	4.00	04/01/2002 18:15	
2-Chlorotoluene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
4-Chlorotoluene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Dibromochloromethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,3-Dichloropropane	ND	4.0	ug/L	4.00	04/01/2002 18:15	
2,2-Dichloropropane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,1-Dichloropropene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,2-Dibromo-3-chloropropane	ND	4.0	ug/L	4.00	04/01/2002 18:15	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Dibromomethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,1-Dichloroethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
cis-1,2-Dichloroethene	7.2	2.0	ug/L	4.00	04/01/2002 18:15	
trans-1,2-Dichloroethene	ND	2.0	ug/L	4.00	04/01/2002 18:15	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-14-GW	Lab Sample ID: 2002-03-0496-018
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 18:15
Sampled: 03/25/2002 15:35	QC-Batch: 2002/04/01-01.60
Matrix: Water	
Sample/Analysis Flag: o (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,2-Dichloropropane	200	2.0	ug/L	4.00	04/01/2002 18:15	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Ethylbenzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Hexachlorobutadiene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
2-Hexanone	ND	200	ug/L	4.00	04/01/2002 18:15	
Isopropylbenzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
p-Isopropyltoluene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
Methylene chloride	ND	20	ug/L	4.00	04/01/2002 18:15	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	04/01/2002 18:15	
Naphthalene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
n-Propylbenzene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
Styrene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Tetrachloroethene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Toluene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,2,3-Trichlorobenzene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	4.00	04/01/2002 18:15	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Trichloroethene	2.7	2.0	ug/L	4.00	04/01/2002 18:15	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	04/01/2002 18:15	
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Vinyl acetate	ND	100	ug/L	4.00	04/01/2002 18:15	
Vinyl chloride	ND	2.0	ug/L	4.00	04/01/2002 18:15	
Total xylenes	ND	4.0	ug/L	4.00	04/01/2002 18:15	
Surrogate(s)						
4-Bromofluorobenzene	98.6	86-115	%	4.00	04/01/2002 18:15	
1,2-Dichloroethane-d4	104.2	76-114	%	4.00	04/01/2002 18:15	
Toluene-d8	93.9	88-110	%	4.00	04/01/2002 18:15	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: EB-032502	Lab Sample ID: 2002-03-0496-020
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/30/2002 01:37
Sampled: 03/25/2002 16:30	QC-Batch: 2002/03/29-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/30/2002 01:37	
Acetone	ND	50	ug/L	1.00	03/30/2002 01:37	
Benzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Bromobenzene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
Bromochloromethane	ND	1.0	ug/L	1.00	03/30/2002 01:37	
Bromoform	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Bromomethane	ND	1.0	ug/L	1.00	03/30/2002 01:37	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/30/2002 01:37	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
Carbon disulfide	ND	5.0	ug/L	1.00	03/30/2002 01:37	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Chlorobenzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Chloroethane	ND	1.0	ug/L	1.00	03/30/2002 01:37	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/30/2002 01:37	
Chloroform	ND	1.0	ug/L	1.00	03/30/2002 01:37	
Chloromethane	ND	1.0	ug/L	1.00	03/30/2002 01:37	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/30/2002 01:37	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/30/2002 01:37	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Dibromomethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/30/2002 01:37	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: EB-032502	Lab Sample ID: 2002-03-0496-020
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/30/2002 01:37
Sampled: 03/25/2002 16:30	QC-Batch: 2002/03/29-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Ethylbenzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
2-Hexanone	ND	50	ug/L	1.00	03/30/2002 01:37	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
Methylene chloride	ND	5.0	ug/L	1.00	03/30/2002 01:37	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/30/2002 01:37	
Naphthalene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
Styrene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Toluene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/30/2002 01:37	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Trichloroethene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/30/2002 01:37	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Vinyl acetate	ND	25	ug/L	1.00	03/30/2002 01:37	
Vinyl chloride	ND	0.50	ug/L	1.00	03/30/2002 01:37	
Total xylenes	ND	1.0	ug/L	1.00	03/30/2002 01:37	
Surrogate(s)						
4-Bromofluorobenzene	100.2	86-115	%	1.00	03/30/2002 01:37	
1,2-Dichloroethane-d4	102.2	76-114	%	1.00	03/30/2002 01:37	
Toluene-d8	94.5	88-110	%	1.00	03/30/2002 01:37	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-35-GW	Lab Sample ID: 2002-03-0496-021
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 18:49
Sampled: 03/25/2002 17:00	QC-Batch: 2002/04/01-01.60
Matrix: Water	
Sample/Analysis Flag: 1m (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	50	ug/L	10.00	04/01/2002 18:49	
Acetone	ND	500	ug/L	10.00	04/01/2002 18:49	
Benzene	8.0	5.0	ug/L	10.00	04/01/2002 18:49	
Bromodichloromethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Bromobenzene	ND	10	ug/L	10.00	04/01/2002 18:49	
Bromochloromethane	ND	10	ug/L	10.00	04/01/2002 18:49	
Bromoform	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Bromomethane	ND	10	ug/L	10.00	04/01/2002 18:49	
2-Butanone(MEK)	ND	500	ug/L	10.00	04/01/2002 18:49	
n-Butylbenzene	19	10	ug/L	10.00	04/01/2002 18:49	
sec-Butylbenzene	15	10	ug/L	10.00	04/01/2002 18:49	
tert-Butylbenzene	ND	10	ug/L	10.00	04/01/2002 18:49	
Carbon disulfide	ND	50	ug/L	10.00	04/01/2002 18:49	
Carbon tetrachloride	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Chlorobenzene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Chloroethane	ND	10	ug/L	10.00	04/01/2002 18:49	
2-Chloroethylvinyl ether	ND	50	ug/L	10.00	04/01/2002 18:49	
Chloroform	ND	10	ug/L	10.00	04/01/2002 18:49	
Chloromethane	ND	10	ug/L	10.00	04/01/2002 18:49	
2-Chlorotoluene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
4-Chlorotoluene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Dibromochloromethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,2-Dichlorobenzene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,3-Dichlorobenzene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,4-Dichlorobenzene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,3-Dichloropropane	ND	10	ug/L	10.00	04/01/2002 18:49	
2,2-Dichloropropane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,1-Dichloropropene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,2-Dibromo-3-chloropropane	ND	10	ug/L	10.00	04/01/2002 18:49	
1,2-Dibromoethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Dibromomethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Dichlorodifluoromethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,1-Dichloroethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,2-Dichloroethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,1-Dichloroethene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
cis-1,2-Dichloroethene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
trans-1,2-Dichloroethene	ND	5.0	ug/L	10.00	04/01/2002 18:49	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-35-GW	Lab Sample ID: 2002-03-0496-021
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 18:49
Sampled: 03/25/2002 17:00	QC-Batch: 2002/04/01-01.60
Matrix: Water	
Sample/Analysis Flag: 1m (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,2-Dichloropropane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
cis-1,3-Dichloropropene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
trans-1,3-Dichloropropene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Ethylbenzene	14	5.0	ug/L	10.00	04/01/2002 18:49	
Hexachlorobutadiene	ND	10	ug/L	10.00	04/01/2002 18:49	
2-Hexanone	ND	500	ug/L	10.00	04/01/2002 18:49	
Isopropylbenzene	12	5.0	ug/L	10.00	04/01/2002 18:49	
p-Isopropyltoluene	ND	10	ug/L	10.00	04/01/2002 18:49	
Methylene chloride	ND	50	ug/L	10.00	04/01/2002 18:49	
4-Methyl-2-pentanone (MIBK)	ND	500	ug/L	10.00	04/01/2002 18:49	
Naphthalene	200	10	ug/L	10.00	04/01/2002 18:49	
n-Propylbenzene	16	10	ug/L	10.00	04/01/2002 18:49	
Styrene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Tetrachloroethene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Toluene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,2,3-Trichlorobenzene	ND	10	ug/L	10.00	04/01/2002 18:49	
1,2,4-Trichlorobenzene	ND	10	ug/L	10.00	04/01/2002 18:49	
1,1,1-Trichloroethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,1,2-Trichloroethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Trichloroethene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Trichlorofluoromethane	ND	10	ug/L	10.00	04/01/2002 18:49	
Trichlorotrifluoroethane	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,2,4-Trimethylbenzene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
1,3,5-Trimethylbenzene	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Vinyl acetate	ND	250	ug/L	10.00	04/01/2002 18:49	
Vinyl chloride	ND	5.0	ug/L	10.00	04/01/2002 18:49	
Total xylenes	ND	10	ug/L	10.00	04/01/2002 18:49	
Surrogate(s)						
4-Bromofluorobenzene	105.6	86-115	%	10.00	04/01/2002 18:49	
1,2-Dichloroethane-d4	105.9	76-114	%	10.00	04/01/2002 18:49	
Toluene-d8	96.9	88-110	%	10.00	04/01/2002 18:49	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: TB-032502B	Lab Sample ID: 2002-03-0496-022
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 17:41
Sampled: 03/25/2002 17:30	QC-Batch: 2002/04/01-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	04/01/2002 17:41	
Acetone	ND	50	ug/L	1.00	04/01/2002 17:41	
Benzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Bromobenzene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
Bromochloromethane	ND	1.0	ug/L	1.00	04/01/2002 17:41	
Bromoform	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Bromomethane	ND	1.0	ug/L	1.00	04/01/2002 17:41	
2-Butanone(MEK)	ND	50	ug/L	1.00	04/01/2002 17:41	
n-Butylbenzene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
sec-Butylbenzene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
tert-Butylbenzene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
Carbon disulfide	ND	5.0	ug/L	1.00	04/01/2002 17:41	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Chlorobenzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Chloroethane	ND	1.0	ug/L	1.00	04/01/2002 17:41	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	04/01/2002 17:41	
Chloroform	ND	1.0	ug/L	1.00	04/01/2002 17:41	
Chloromethane	ND	1.0	ug/L	1.00	04/01/2002 17:41	
2-Chlorotoluene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
4-Chlorotoluene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	04/01/2002 17:41	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	04/01/2002 17:41	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Dibromomethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/01/2002 17:41	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: TB-032502B	Lab Sample ID: 2002-03-0496-022
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 17:41
Sampled: 03/25/2002 17:30	QC-Batch: 2002/04/01-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Ethylbenzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
2-Hexanone	ND	50	ug/L	1.00	04/01/2002 17:41	
Isopropylbenzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
Methylene chloride	ND	5.0	ug/L	1.00	04/01/2002 17:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	04/01/2002 17:41	
Naphthalene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
n-Propylbenzene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
Styrene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Toluene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	04/01/2002 17:41	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Trichloroethene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	04/01/2002 17:41	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Vinyl acetate	ND	25	ug/L	1.00	04/01/2002 17:41	
Vinyl chloride	ND	0.50	ug/L	1.00	04/01/2002 17:41	
Total xylenes	ND	1.0	ug/L	1.00	04/01/2002 17:41	
Surrogate(s)						
4-Bromofluorobenzene	102.6	86-115	%	1.00	04/01/2002 17:41	
1,2-Dichloroethane-d4	101.8	76-114	%	1.00	04/01/2002 17:41	
Toluene-d8	98.0	88-110	%	1.00	04/01/2002 17:41	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
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Test Method: 8260B
Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-18-GW	Lab Sample ID: 2002-03-0496-044
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 19:22
Sampled: 03/25/2002	QC-Batch: 2002/04/01-01.60
Matrix: Water	
Sample/Analysis Flag: Im (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	200	ug/L	40.00	04/01/2002 19:22	
Acetone	ND	2000	ug/L	40.00	04/01/2002 19:22	
Benzene	78	20	ug/L	40.00	04/01/2002 19:22	
Bromodichloromethane	ND	20	ug/L	40.00	04/01/2002 19:22	
Bromobenzene	ND	40	ug/L	40.00	04/01/2002 19:22	
Bromochloromethane	ND	40	ug/L	40.00	04/01/2002 19:22	
Bromoform	ND	20	ug/L	40.00	04/01/2002 19:22	
Bromomethane	ND	40	ug/L	40.00	04/01/2002 19:22	
2-Butanone(MEK)	ND	2000	ug/L	40.00	04/01/2002 19:22	
n-Butylbenzene	ND	40	ug/L	40.00	04/01/2002 19:22	
sec-Butylbenzene	ND	40	ug/L	40.00	04/01/2002 19:22	
tert-Butylbenzene	ND	40	ug/L	40.00	04/01/2002 19:22	
Carbon disulfide	ND	200	ug/L	40.00	04/01/2002 19:22	
Carbon tetrachloride	ND	20	ug/L	40.00	04/01/2002 19:22	
Chlorobenzene	ND	20	ug/L	40.00	04/01/2002 19:22	
Chloroethane	ND	40	ug/L	40.00	04/01/2002 19:22	
2-Chloroethylvinyl ether	ND	200	ug/L	40.00	04/01/2002 19:22	
Chloroform	ND	40	ug/L	40.00	04/01/2002 19:22	
Chloromethane	ND	40	ug/L	40.00	04/01/2002 19:22	
2-Chlorotoluene	ND	20	ug/L	40.00	04/01/2002 19:22	
4-Chlorotoluene	ND	20	ug/L	40.00	04/01/2002 19:22	
Dibromochloromethane	ND	20	ug/L	40.00	04/01/2002 19:22	
1,2-Dichlorobenzene	ND	20	ug/L	40.00	04/01/2002 19:22	
1,3-Dichlorobenzene	ND	20	ug/L	40.00	04/01/2002 19:22	
1,4-Dichlorobenzene	ND	20	ug/L	40.00	04/01/2002 19:22	
1,3-Dichloropropane	ND	40	ug/L	40.00	04/01/2002 19:22	
2,2-Dichloropropane	ND	20	ug/L	40.00	04/01/2002 19:22	
1,1-Dichloropropene	ND	20	ug/L	40.00	04/01/2002 19:22	
1,2-Dibromo-3-chloropropane	ND	40	ug/L	40.00	04/01/2002 19:22	
1,2-Dibromoethane	ND	20	ug/L	40.00	04/01/2002 19:22	
Dibromomethane	ND	20	ug/L	40.00	04/01/2002 19:22	
Dichlorodifluoromethane	ND	20	ug/L	40.00	04/01/2002 19:22	
1,1-Dichloroethane	ND	20	ug/L	40.00	04/01/2002 19:22	
1,2-Dichloroethane	ND	20	ug/L	40.00	04/01/2002 19:22	
1,1-Dichloroethene	ND	20	ug/L	40.00	04/01/2002 19:22	
cis-1,2-Dichloroethene	ND	20	ug/L	40.00	04/01/2002 19:22	
trans-1,2-Dichloroethene	ND	20	ug/L	40.00	04/01/2002 19:22	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-18-GW	Lab Sample ID: 2002-03-0496-044
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 19:22
Sampled: 03/25/2002	QC-Batch: 2002/04/01-01.60
Matrix: Water	
Sample/Analysis Flag: Irn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,2-Dichloropropane	ND	20	ug/L	40.00	04/01/2002 19:22	
cis-1,3-Dichloropropene	ND	20	ug/L	40.00	04/01/2002 19:22	
trans-1,3-Dichloropropene	ND	20	ug/L	40.00	04/01/2002 19:22	
Ethylbenzene	34	20	ug/L	40.00	04/01/2002 19:22	
Hexachlorobutadiene	ND	40	ug/L	40.00	04/01/2002 19:22	
2-Hexanone	ND	2000	ug/L	40.00	04/01/2002 19:22	
Isopropylbenzene	ND	20	ug/L	40.00	04/01/2002 19:22	
p-Isopropyltoluene	ND	40	ug/L	40.00	04/01/2002 19:22	
Methylene chloride	ND	200	ug/L	40.00	04/01/2002 19:22	
4-Methyl-2-pentanone (MIBK)	ND	2000	ug/L	40.00	04/01/2002 19:22	
Naphthalene	230	40	ug/L	40.00	04/01/2002 19:22	
n-Propylbenzene	ND	40	ug/L	40.00	04/01/2002 19:22	
Styrene	ND	20	ug/L	40.00	04/01/2002 19:22	
1,1,1,2-Tetrachloroethane	ND	20	ug/L	40.00	04/01/2002 19:22	
1,1,2,2-Tetrachloroethane	ND	20	ug/L	40.00	04/01/2002 19:22	
Tetrachloroethene	ND	20	ug/L	40.00	04/01/2002 19:22	
Toluene	ND	20	ug/L	40.00	04/01/2002 19:22	
1,2,3-Trichlorobenzene	ND	40	ug/L	40.00	04/01/2002 19:22	
1,2,4-Trichlorobenzene	ND	40	ug/L	40.00	04/01/2002 19:22	
1,1,1-Trichloroethane	ND	20	ug/L	40.00	04/01/2002 19:22	
1,1,2-Trichloroethane	ND	20	ug/L	40.00	04/01/2002 19:22	
Trichloroethene	ND	20	ug/L	40.00	04/01/2002 19:22	
Trichlorofluoromethane	ND	40	ug/L	40.00	04/01/2002 19:22	
Trichlorotrifluoroethane	ND	20	ug/L	40.00	04/01/2002 19:22	
1,2,4-Trimethylbenzene	50	20	ug/L	40.00	04/01/2002 19:22	
1,3,5-Trimethylbenzene	ND	20	ug/L	40.00	04/01/2002 19:22	
Vinyl acetate	ND	1000	ug/L	40.00	04/01/2002 19:22	
Vinyl chloride	ND	20	ug/L	40.00	04/01/2002 19:22	
Total xylenes	ND	40	ug/L	40.00	04/01/2002 19:22	
Surrogate(s)						
4-Bromofluorobenzene	100.7	86-115	%	40.00	04/01/2002 19:22	
1,2-Dichloroethane-d4	104.3	76-114	%	40.00	04/01/2002 19:22	
Toluene-d8	97.2	88-110	%	40.00	04/01/2002 19:22	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

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CA DHS ELAP#1094

Sample ID: MFC-19-GW	Lab Sample ID: 2002-03-0496-045
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 22:49
Sampled: 03/25/2002 10:00	QC-Batch: 2002/03/29-01.60
Matrix: Water	
Sample/Analysis Flag: o (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	50	ug/L	10.00	03/29/2002 22:49	
Acetone	ND	500	ug/L	10.00	03/29/2002 22:49	
Benzene	56	5.0	ug/L	10.00	03/29/2002 22:49	
Bromodichloromethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Bromobenzene	ND	10	ug/L	10.00	03/29/2002 22:49	
Bromochloromethane	ND	10	ug/L	10.00	03/29/2002 22:49	
Bromoform	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Bromomethane	ND	10	ug/L	10.00	03/29/2002 22:49	
2-Butanone(MEK)	ND	500	ug/L	10.00	03/29/2002 22:49	
n-Butylbenzene	19	10	ug/L	10.00	03/29/2002 22:49	
sec-Butylbenzene	12	10	ug/L	10.00	03/29/2002 22:49	
tert-Butylbenzene	ND	10	ug/L	10.00	03/29/2002 22:49	
Carbon disulfide	ND	50	ug/L	10.00	03/29/2002 22:49	
Carbon tetrachloride	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Chlorobenzene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Chloroethane	11	10	ug/L	10.00	03/29/2002 22:49	
2-Chloroethylvinyl ether	ND	50	ug/L	10.00	03/29/2002 22:49	
Chloroform	ND	10	ug/L	10.00	03/29/2002 22:49	
Chloromethane	ND	10	ug/L	10.00	03/29/2002 22:49	
2-Chlorotoluene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
4-Chlorotoluene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Dibromochloromethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,2-Dichlorobenzene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,3-Dichlorobenzene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,4-Dichlorobenzene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,3-Dichloropropane	ND	10	ug/L	10.00	03/29/2002 22:49	
2,2-Dichloropropane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,1-Dichloropropene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,2-Dibromo-3-chloropropane	ND	10	ug/L	10.00	03/29/2002 22:49	
1,2-Dibromoethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Dibromomethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Dichlorodifluoromethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,1-Dichloroethane	9.7	5.0	ug/L	10.00	03/29/2002 22:49	
1,2-Dichloroethane	11	5.0	ug/L	10.00	03/29/2002 22:49	
1,1-Dichloroethene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
cis-1,2-Dichloroethene	650	5.0	ug/L	10.00	03/29/2002 22:49	
trans-1,2-Dichloroethene	130	5.0	ug/L	10.00	03/29/2002 22:49	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-19-GW	Lab Sample ID: 2002-03-0496-045
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 22:49
Sampled: 03/25/2002 10:00	QC-Batch: 2002/03/29-01.60
Matrix: Water	
Sample/Analysis Flag: o (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,2-Dichloropropane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
cis-1,3-Dichloropropene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
trans-1,3-Dichloropropene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Ethylbenzene	46	5.0	ug/L	10.00	03/29/2002 22:49	
Hexachlorobutadiene	ND	10	ug/L	10.00	03/29/2002 22:49	
2-Hexanone	ND	500	ug/L	10.00	03/29/2002 22:49	
Isopropylbenzene	22	5.0	ug/L	10.00	03/29/2002 22:49	
p-Isopropyltoluene	ND	10	ug/L	10.00	03/29/2002 22:49	
Methylene chloride	ND	50	ug/L	10.00	03/29/2002 22:49	
4-Methyl-2-pentanone (MIBK)	ND	500	ug/L	10.00	03/29/2002 22:49	
Naphthalene	330	10	ug/L	10.00	03/29/2002 22:49	
n-Propylbenzene	29	10	ug/L	10.00	03/29/2002 22:49	
Styrene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Tetrachloroethene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Toluene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,2,3-Trichlorobenzene	ND	10	ug/L	10.00	03/29/2002 22:49	
1,2,4-Trichlorobenzene	ND	10	ug/L	10.00	03/29/2002 22:49	
1,1,1-Trichloroethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,1,2-Trichloroethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Trichloroethene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Trichlorofluoromethane	ND	10	ug/L	10.00	03/29/2002 22:49	
Trichlorotrifluoroethane	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,2,4-Trimethylbenzene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
1,3,5-Trimethylbenzene	ND	5.0	ug/L	10.00	03/29/2002 22:49	
Vinyl acetate	ND	250	ug/L	10.00	03/29/2002 22:49	
Vinyl chloride	180	5.0	ug/L	10.00	03/29/2002 22:49	
Total xylenes	11	10	ug/L	10.00	03/29/2002 22:49	
Surrogate(s)						
4-Bromofluorobenzene	105.5	86-115	%	10.00	03/29/2002 22:49	
1,2-Dichloroethane-d4	95.9	76-114	%	10.00	03/29/2002 22:49	
Toluene-d8	92.1	88-110	%	10.00	03/29/2002 22:49	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: TB-032502A	Lab Sample ID: 2002-03-0496-046
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 22:15
Sampled: 03/25/2002	QC-Batch: 2002/03/29-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/29/2002 22:15	
Acetone	ND	50	ug/L	1.00	03/29/2002 22:15	
Benzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Bromobenzene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
Bromochloromethane	ND	1.0	ug/L	1.00	03/29/2002 22:15	
Bromoform	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Bromomethane	ND	1.0	ug/L	1.00	03/29/2002 22:15	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/29/2002 22:15	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
Carbon disulfide	ND	5.0	ug/L	1.00	03/29/2002 22:15	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Chlorobenzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Chloroethane	ND	1.0	ug/L	1.00	03/29/2002 22:15	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/29/2002 22:15	
Chloroform	ND	1.0	ug/L	1.00	03/29/2002 22:15	
Chloromethane	ND	1.0	ug/L	1.00	03/29/2002 22:15	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/29/2002 22:15	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/29/2002 22:15	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Dibromomethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/29/2002 22:15	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: TB-032502A	Lab Sample ID: 2002-03-0496-046
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 22:15
Sampled: 03/25/2002	QC-Batch: 2002/03/29-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Ethylbenzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
2-Hexanone	ND	50	ug/L	1.00	03/29/2002 22:15	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
Methylene chloride	ND	5.0	ug/L	1.00	03/29/2002 22:15	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/29/2002 22:15	
Naphthalene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
Styrene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Toluene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/29/2002 22:15	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Trichloroethene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/29/2002 22:15	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Vinyl acetate	ND	25	ug/L	1.00	03/29/2002 22:15	
Vinyl chloride	ND	0.50	ug/L	1.00	03/29/2002 22:15	
Total xylenes	ND	1.0	ug/L	1.00	03/29/2002 22:15	
Surrogate(s)						
4-Bromofluorobenzene	98.7	86-115	%	1.00	03/29/2002 22:15	
1,2-Dichloroethane-d4	95.1	76-114	%	1.00	03/29/2002 22:15	
Toluene-d8	94.2	88-110	%	1.00	03/29/2002 22:15	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: TB-032502C	Lab Sample ID: 2002-03-0496-047
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 21:41
Sampled: 03/25/2002	QC-Batch: 2002/03/29-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/29/2002 21:41	
Acetone	ND	50	ug/L	1.00	03/29/2002 21:41	
Benzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Bromobenzene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
Bromochloromethane	ND	1.0	ug/L	1.00	03/29/2002 21:41	
Bromoform	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Bromomethane	ND	1.0	ug/L	1.00	03/29/2002 21:41	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/29/2002 21:41	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
Carbon disulfide	ND	5.0	ug/L	1.00	03/29/2002 21:41	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Chlorobenzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Chloroethane	ND	1.0	ug/L	1.00	03/29/2002 21:41	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/29/2002 21:41	
Chloroform	ND	1.0	ug/L	1.00	03/29/2002 21:41	
Chloromethane	ND	1.0	ug/L	1.00	03/29/2002 21:41	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/29/2002 21:41	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/29/2002 21:41	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Dibromomethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/29/2002 21:41	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: TB-032502C	Lab Sample ID: 2002-03-0496-047
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 21:41
Sampled: 03/25/2002	QC-Batch: 2002/03/29-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Ethylbenzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
2-Hexanone	ND	50	ug/L	1.00	03/29/2002 21:41	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
Methylene chloride	ND	5.0	ug/L	1.00	03/29/2002 21:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/29/2002 21:41	
Naphthalene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
Styrene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Toluene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/29/2002 21:41	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Trichloroethene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/29/2002 21:41	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Vinyl acetate	ND	25	ug/L	1.00	03/29/2002 21:41	
Vinyl chloride	ND	0.50	ug/L	1.00	03/29/2002 21:41	
Total xylenes	ND	1.0	ug/L	1.00	03/29/2002 21:41	
Surrogate(s)						
4-Bromofluorobenzene	100.5	86-115	%	1.00	03/29/2002 21:41	
1,2-Dichloroethane-d4	94.9	76-114	%	1.00	03/29/2002 21:41	
Toluene-d8	95.8	88-110	%	1.00	03/29/2002 21:41	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Water

QC Batch # 2002/03/29-01.60

MB: 2002/03/29-01.60-023

Date Extracted: 03/29/2002 14:23

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	03/29/2002 14:23	
Acetone	ND	50	ug/L	03/29/2002 14:23	
Benzene	ND	0.5	ug/L	03/29/2002 14:23	
Bromodichloromethane	ND	0.5	ug/L	03/29/2002 14:23	
Bromobenzene	ND	1.0	ug/L	03/29/2002 14:23	
Bromochloromethane	ND	1.0	ug/L	03/29/2002 14:23	
Bromoform	ND	0.5	ug/L	03/29/2002 14:23	
Bromomethane	ND	1.0	ug/L	03/29/2002 14:23	
2-Butanone(MEK)	ND	50	ug/L	03/29/2002 14:23	
n-Butylbenzene	ND	1.0	ug/L	03/29/2002 14:23	
sec-Butylbenzene	ND	1.0	ug/L	03/29/2002 14:23	
tert-Butylbenzene	ND	1.0	ug/L	03/29/2002 14:23	
Carbon disulfide	ND	5.0	ug/L	03/29/2002 14:23	
Carbon tetrachloride	ND	0.5	ug/L	03/29/2002 14:23	
Chlorobenzene	ND	0.5	ug/L	03/29/2002 14:23	
Chloroethane	ND	1.0	ug/L	03/29/2002 14:23	
2-Chloroethylvinyl ether	ND	5.0	ug/L	03/29/2002 14:23	
Chloroform	ND	1.0	ug/L	03/29/2002 14:23	
Chloromethane	ND	1.0	ug/L	03/29/2002 14:23	
2-Chlorotoluene	ND	0.5	ug/L	03/29/2002 14:23	
4-Chlorotoluene	ND	0.5	ug/L	03/29/2002 14:23	
Dibromochloromethane	ND	0.5	ug/L	03/29/2002 14:23	
1,2-Dichlorobenzene	ND	0.5	ug/L	03/29/2002 14:23	
1,3-Dichlorobenzene	ND	0.5	ug/L	03/29/2002 14:23	
1,4-Dichlorobenzene	ND	0.5	ug/L	03/29/2002 14:23	
1,3-Dichloropropane	ND	1.0	ug/L	03/29/2002 14:23	
2,2-Dichloropropane	ND	0.5	ug/L	03/29/2002 14:23	
1,1-Dichloropropene	ND	0.5	ug/L	03/29/2002 14:23	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/29/2002 14:23	
1,2-Dibromoethane	ND	0.5	ug/L	03/29/2002 14:23	
Dibromomethane	ND	0.5	ug/L	03/29/2002 14:23	
Dichlorodifluoromethane	ND	0.5	ug/L	03/29/2002 14:23	
1,1-Dichloroethane	ND	0.5	ug/L	03/29/2002 14:23	
1,2-Dichloroethane	ND	0.5	ug/L	03/29/2002 14:23	
1,1-Dichloroethene	ND	0.5	ug/L	03/29/2002 14:23	
cis-1,2-Dichloroethene	ND	0.5	ug/L	03/29/2002 14:23	
trans-1,2-Dichloroethene	ND	0.5	ug/L	03/29/2002 14:23	
1,2-Dichloropropane	ND	0.5	ug/L	03/29/2002 14:23	
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/29/2002 14:23	
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/29/2002 14:23	
Ethylbenzene	ND	0.5	ug/L	03/29/2002 14:23	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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Water

QC Batch # 2002/03/29-01.60

MB: 2002/03/29-01.60-023

Date Extracted: 03/29/2002 14:23

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	03/29/2002 14:23	
2-Hexanone	ND	50	ug/L	03/29/2002 14:23	
Isopropylbenzene	ND	0.5	ug/L	03/29/2002 14:23	
p-Isopropyltoluene	ND	1.0	ug/L	03/29/2002 14:23	
Methylene chloride	ND	5.0	ug/L	03/29/2002 14:23	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	03/29/2002 14:23	
Naphthalene	ND	1.0	ug/L	03/29/2002 14:23	
n-Propylbenzene	ND	1.0	ug/L	03/29/2002 14:23	
Styrene	ND	0.5	ug/L	03/29/2002 14:23	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	03/29/2002 14:23	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/29/2002 14:23	
Tetrachloroethene	ND	0.5	ug/L	03/29/2002 14:23	
Toluene	ND	0.5	ug/L	03/29/2002 14:23	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/29/2002 14:23	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/29/2002 14:23	
1,1,1-Trichloroethane	ND	0.5	ug/L	03/29/2002 14:23	
1,1,2-Trichloroethane	ND	0.5	ug/L	03/29/2002 14:23	
Trichloroethene	ND	0.5	ug/L	03/29/2002 14:23	
Trichlorofluoromethane	ND	1.0	ug/L	03/29/2002 14:23	
Trichlorotrifluoroethane	ND	0.5	ug/L	03/29/2002 14:23	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	03/29/2002 14:23	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	03/29/2002 14:23	
Vinyl acetate	ND	25	ug/L	03/29/2002 14:23	
Vinyl chloride	ND	0.5	ug/L	03/29/2002 14:23	
Total xylenes	ND	1.0	ug/L	03/29/2002 14:23	
Surrogate(s)					
4-Bromofluorobenzene	99.9	86-115	%	03/29/2002 14:23	
1,2-Dichloroethane-d4	99.9	76-114	%	03/29/2002 14:23	
Toluene-d8	97.2	88-110	%	03/29/2002 14:23	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

Method Blank

Water

QC Batch # 2002/04/01-01.60

MB: 2002/04/01-01.60-044

Date Extracted: 04/01/2002 13:44

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	04/01/2002 13:44	
Acetone	ND	50	ug/L	04/01/2002 13:44	
Benzene	ND	0.5	ug/L	04/01/2002 13:44	
Bromodichloromethane	ND	0.5	ug/L	04/01/2002 13:44	
Bromobenzene	ND	1.0	ug/L	04/01/2002 13:44	
Bromochloromethane	ND	1.0	ug/L	04/01/2002 13:44	
Bromoform	ND	0.5	ug/L	04/01/2002 13:44	
Bromomethane	ND	1.0	ug/L	04/01/2002 13:44	
2-Butanone(MEK)	ND	50	ug/L	04/01/2002 13:44	
n-Butylbenzene	ND	1.0	ug/L	04/01/2002 13:44	
sec-Butylbenzene	ND	1.0	ug/L	04/01/2002 13:44	
tert-Butylbenzene	ND	1.0	ug/L	04/01/2002 13:44	
Carbon disulfide	ND	5.0	ug/L	04/01/2002 13:44	
Carbon tetrachloride	ND	0.5	ug/L	04/01/2002 13:44	
Chlorobenzene	ND	0.5	ug/L	04/01/2002 13:44	
Chloroethane	ND	1.0	ug/L	04/01/2002 13:44	
2-Chloroethylvinyl ether	ND	5.0	ug/L	04/01/2002 13:44	
Chloroform	ND	1.0	ug/L	04/01/2002 13:44	
Chloromethane	ND	1.0	ug/L	04/01/2002 13:44	
2-Chlorotoluene	ND	0.5	ug/L	04/01/2002 13:44	
4-Chlorotoluene	ND	0.5	ug/L	04/01/2002 13:44	
Dibromochloromethane	ND	0.5	ug/L	04/01/2002 13:44	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/01/2002 13:44	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/01/2002 13:44	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/01/2002 13:44	
1,3-Dichloropropane	ND	1.0	ug/L	04/01/2002 13:44	
2,2-Dichloropropane	ND	0.5	ug/L	04/01/2002 13:44	
1,1-Dichloropropene	ND	0.5	ug/L	04/01/2002 13:44	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/01/2002 13:44	
1,2-Dibromoethane	ND	0.5	ug/L	04/01/2002 13:44	
Dibromomethane	ND	0.5	ug/L	04/01/2002 13:44	
Dichlorodifluoromethane	ND	0.5	ug/L	04/01/2002 13:44	
1,1-Dichloroethane	ND	0.5	ug/L	04/01/2002 13:44	
1,2-Dichloroethane	ND	0.5	ug/L	04/01/2002 13:44	
1,1-Dichloroethene	ND	0.5	ug/L	04/01/2002 13:44	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/01/2002 13:44	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/01/2002 13:44	
1,2-Dichloropropane	ND	0.5	ug/L	04/01/2002 13:44	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/01/2002 13:44	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/01/2002 13:44	
Ethylbenzene	ND	0.5	ug/L	04/01/2002 13:44	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

 STL San Francisco
 1220 Quarry Lane
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Method Blank

Water

QC Batch # 2002/04/01-01.60

MB: 2002/04/01-01.60-044

Date Extracted: 04/01/2002 13:44

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	04/01/2002 13:44	
2-Hexanone	ND	50	ug/L	04/01/2002 13:44	
Isopropylbenzene	ND	0.5	ug/L	04/01/2002 13:44	
p-Isopropyltoluene	ND	1.0	ug/L	04/01/2002 13:44	
Methylene chloride	ND	5.0	ug/L	04/01/2002 13:44	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	04/01/2002 13:44	
Naphthalene	ND	1.0	ug/L	04/01/2002 13:44	
n-Propylbenzene	ND	1.0	ug/L	04/01/2002 13:44	
Styrene	ND	0.5	ug/L	04/01/2002 13:44	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	04/01/2002 13:44	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/01/2002 13:44	
Tetrachloroethene	ND	0.5	ug/L	04/01/2002 13:44	
Toluene	ND	0.5	ug/L	04/01/2002 13:44	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/01/2002 13:44	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/01/2002 13:44	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/01/2002 13:44	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/01/2002 13:44	
Trichloroethene	ND	0.5	ug/L	04/01/2002 13:44	
Trichlorofluoromethane	ND	1.0	ug/L	04/01/2002 13:44	
Trichlorotrifluoroethane	ND	0.5	ug/L	04/01/2002 13:44	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	04/01/2002 13:44	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	04/01/2002 13:44	
Vinyl acetate	ND	25	ug/L	04/01/2002 13:44	
Vinyl chloride	ND	0.5	ug/L	04/01/2002 13:44	
Total xylenes	ND	1.0	ug/L	04/01/2002 13:44	
Surrogate(s)					
4-Bromofluorobenzene	106.4	86-115	%	04/01/2002 13:44	
1,2-Dichloroethane-d4	103.5	76-114	%	04/01/2002 13:44	
Toluene-d8	97.6	88-110	%	04/01/2002 13:44	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

 STL San Francisco
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Water

QC Batch # 2002/04/02-01.60

MB: 2002/04/02-01.60-018

Date Extracted: 04/02/2002 12:18

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	04/02/2002 12:18	
2-Hexanone	ND	50	ug/L	04/02/2002 12:18	
Isopropylbenzene	ND	0.5	ug/L	04/02/2002 12:18	
p-Isopropyltoluene	ND	1.0	ug/L	04/02/2002 12:18	
Methylene chloride	ND	5.0	ug/L	04/02/2002 12:18	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	04/02/2002 12:18	
Naphthalene	ND	1.0	ug/L	04/02/2002 12:18	
n-Propylbenzene	ND	1.0	ug/L	04/02/2002 12:18	
Styrene	ND	0.5	ug/L	04/02/2002 12:18	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	04/02/2002 12:18	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/02/2002 12:18	
Tetrachloroethene	ND	0.5	ug/L	04/02/2002 12:18	
Toluene	ND	0.5	ug/L	04/02/2002 12:18	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/02/2002 12:18	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/02/2002 12:18	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/02/2002 12:18	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/02/2002 12:18	
Trichloroethene	ND	0.5	ug/L	04/02/2002 12:18	
Trichlorofluoromethane	ND	1.0	ug/L	04/02/2002 12:18	
Trichlorotrifluoroethane	ND	0.5	ug/L	04/02/2002 12:18	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	04/02/2002 12:18	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	04/02/2002 12:18	
Vinyl acetate	ND	25	ug/L	04/02/2002 12:18	
Vinyl chloride	ND	0.5	ug/L	04/02/2002 12:18	
Total xylenes	ND	1.0	ug/L	04/02/2002 12:18	
Surrogate(s)					
4-Bromofluorobenzene	100.5	86-115	%	04/02/2002 12:18	
1,2-Dichloroethane-d4	98.7	76-114	%	04/02/2002 12:18	
Toluene-d8	102.2	88-110	%	04/02/2002 12:18	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/29-01.60
 LCS: 2002/03/29-01.60-012 Extracted: 03/29/2002 12:12 Analyzed: 03/29/2002 12:12
 LCSD: 2002/03/29-01.60-046 Extracted: 03/29/2002 12:46 Analyzed: 03/29/2002 12:46

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	18.8	19.4	20.0	20.0	94.0	97.0	3.1	69-129	20		
Chlorobenzene	21.0	20.9	20.0	20.0	105.0	104.5	0.5	61-121	20		
1,1-Dichloroethene	19.0	19.1	20.0	20.0	95.0	95.5	0.5	65-125	20		
Toluene	18.5	18.2	20.0	20.0	92.5	91.0	1.6	70-130	20		
Trichloroethene	18.0	18.6	20.0	20.0	90.0	93.0	3.3	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	492	490	500	500	98.4	98.0		86-115			
1,2-Dichloroethane-d4	512	501	500	500	102.4	100.2		76-114			
Toluene-d8	459	460	500	500	91.8	92.0		88-110			

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/01-01.60
 LCS: 2002/04/01-01.60-036 Extracted: 04/01/2002 12:36 Analyzed: 04/01/2002 12:36
 LCSD: 2002/04/01-01.60-010 Extracted: 04/01/2002 13:10 Analyzed: 04/01/2002 13:10

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Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]			Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD	
Benzene	18.6	18.9	20.0	20.0	93.0	94.5	1.6	69-129	20			
Chlorobenzene	20.7	21.7	20.0	20.0	103.5	108.5	4.7	61-121	20			
1,1-Dichloroethene	17.8	17.8	20.0	20.0	89.0	89.0	0.0	65-125	20			
Toluene	18.4	18.0	20.0	20.0	92.0	90.0	2.2	70-130	20			
Trichloroethene	17.6	18.2	20.0	20.0	88.0	91.0	3.4	74-134	20			
Surrogate(s)												
4-Bromofluorobenzene	522	516	500	500	104.4	103.2		86-115				
1,2-Dichloroethane-d4	522	518	500	500	104.4	103.6		76-114				
Toluene-d8	473	483	500	500	94.6	96.6		88-110				

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/02-01.60
 LCS: 2002/04/02-01.60-010 Extracted: 04/02/2002 11:10 Analyzed: 04/02/2002 11:10
 LCSD: 2002/04/02-01.60-044 Extracted: 04/02/2002 11:44 Analyzed: 04/02/2002 11:44

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	19.0	18.7	20.0	20.0	95.0	93.5	1.6	69-129	20		
Chlorobenzene	21.1	21.2	20.0	20.0	105.5	106.0	0.5	61-121	20		
1,1-Dichloroethene	17.9	17.9	20.0	20.0	89.5	89.5	0.0	65-125	20		
Toluene	18.5	18.4	20.0	20.0	92.5	92.0	0.5	70-130	20		
Trichloroethene	17.9	17.9	20.0	20.0	89.5	89.5	0.0	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	526	501	500	500	105.2	100.2		86-115			
1,2-Dichloroethane-d4	506	489	500	500	101.2	97.8		76-114			
Toluene-d8	468	484	500	500	93.6	96.8		88-110			

Submission #: 2002-03-0496



Volatile Organic Compounds by 8260B (Low Level)

Legend & Notes

Test Method: 8260B

Prep Method: 5030B

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CA DHS ELAP#1094

Analysis Flags

Im

Reporting limits raised due to high level of non-target analyte materials.

Analysis Flags

o

Reporting limits were raised due to high level of analyte present in the sample.

Hexavalent Chromium

STL San Francisco
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CA DHS ELAP#1094

Iris Environmental

✉ 1615 Broadway, Suite 1003
Oakland, CA 94612

Attn: Chris Alger

Phone: (510) 834-4747 Fax: (510) 834-4199

01-201-A

Project: 2225/2277 Seventh St.

SitePort of Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-19-1.0-1.5	Soil	03/25/2002 09:20	1
MFC-19-2.0-2.5	Soil	03/25/2002 09:23	2
MFC-19-4.0-4.5	Soil	03/25/2002 09:30	3
MFC-31-4.5-5.0	Soil	03/25/2002 09:30	4
MFC-31-1.5-2.0	Soil	03/25/2002 09:30	5
MFC-31-3.0-3.5	Soil	03/25/2002 09:30	6
MFC-18-3.0-3.5	Soil	03/25/2002 10:45	7
MFC-18-1.5-2.0	Soil	03/25/2002 10:40	8
MFC-18-4.5-5.0	Soil	03/25/2002 11:12	9
MFC-33-3.0-3.5	Soil	03/25/2002 11:15	12
MFC-33-5.0-5.5	Soil	03/25/2002	13
MFC-33-1.5-2.0	Soil	03/25/2002	14
MFC-14-3.0-3.5	Soil	03/25/2002 13:36	15
MFC-14-1.5-2.0	Soil	03/25/2002 13:26	16
MFC-14-4.0-4.5	Soil	03/25/2002 13:45	17
EB-032502	Water	03/25/2002 16:30	20
MFC-37-1.5-2.0	Soil	03/25/2002 14:20	23
MFC-37-4.5-5.0	Soil	03/25/2002 14:20	24
MFC-35-1.0-1.5	Soil	03/25/2002 14:20	25
MFC-35-5.0-5.5	Soil	03/25/2002 13:45	26
MFC-35-2.0-2.5	Soil	03/25/2002 13:50	27
MFC-15-3.0-3.5	Soil	03/25/2002 14:17	28
MFC-15-1.5-2.0	Soil	03/25/2002 14:15	29
MFC-15-4.5-5.0	Soil	03/25/2002 14:29	30
MFC-16-1.5-2.0	Soil	03/25/2002	32
MFC-16-4.0-4.5	Soil	03/25/2002	33

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
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CA DHS ELAP#1094

Sample ID: MFC-19-1.0-1.5	Lab Sample ID: 2002-03-0496-001
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 09:20	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-19-2.0-2.5	Lab Sample ID: 2002-03-0496-002
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 09:23	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-19-4.0-4.5	Lab Sample ID: 2002-03-0496-003
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-31-4.5-5.0	Lab Sample ID: 2002-03-0496-004
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-31-1.5-2.0	Lab Sample ID: 2002-03-0496-005
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-31-3.0-3.5	Lab Sample ID: 2002-03-0496-006
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-18-3.0-3.5	Lab Sample ID: 2002-03-0496-007
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 10:45	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-18-1.5-2.0	Lab Sample ID: 2002-03-0496-008
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 10:40	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-18-4.5-5.0	Lab Sample ID: 2002-03-0496-009
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 11:12	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-33-3.0-3.5	Lab Sample ID: 2002-03-0496-012
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 11:15	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
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Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-33-5.0-5.5	Lab Sample ID: 2002-03-0496-013
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
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Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-33-1.5-2.0	Lab Sample ID: 2002-03-0496-014
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-14-3.0-3.5	Lab Sample ID: 2002-03-0496-015
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 13:36	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496

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Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A water
7196A soil

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Sample ID: MFC-14-1.5-2.0	Lab Sample ID: 2002-03-0496-016
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 13:26	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-14-4.0-4.5	Lab Sample ID: 2002-03-0496-017
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 13:45	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: EB-032502	Lab Sample ID: 2002-03-0496-020
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/25/2002 18:15
Sampled: 03/25/2002 16:30	QC-Batch: 2002/03/25-01.31
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	0.010	0.010	mg/L	1.00	03/25/2002 18:20	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-37-1.5-2.0	Lab Sample ID: 2002-03-0496-023
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-37-4.5-5.0	Lab Sample ID: 2002-03-0496-024
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 10:10
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/28-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/28/2002 10:15	

Submission #: 2002-03-0496

SEVERN
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Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-35-1.0-1.5	Lab Sample ID: 2002-03-0496-025
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-35-5.0-5.5	Lab Sample ID: 2002-03-0496-026
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002 13:45	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-35-2.0-2.5	Lab Sample ID: 2002-03-0496-027
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002 13:50	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Submission #: 2002-03-0496

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Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-15-3.0-3.5	Lab Sample ID: 2002-03-0496-028
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002 14:17	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Submission #: 2002-03-0496

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Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-15-1.5-2.0	Lab Sample ID: 2002-03-0496-029
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002 14:15	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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Sample ID: MFC-15-4.5-5.0	Lab Sample ID: 2002-03-0496-030
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002 14:29	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Submission #: 2002-03-0496



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-16-1.5-2.0	Lab Sample ID: 2002-03-0496-032
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A water
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Sample ID: MFC-16-4.0-4.5	Lab Sample ID: 2002-03-0496-033
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/25/2002	QC-Batch: 2002/03/29-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	03/29/2002 09:25	

Submission #: 2002-03-0496



Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A
water

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CA DHS ELAP#1094

Method Blank	Water	QC Batch # 2002/03/25-01.31
MB: 2002/03/25-01.31-001		Date Extracted: 03/25/2002 18:15

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Chromium (Hexavalent)	ND	0.01	mg/L	03/25/2002 18:20	

Submission #: 2002-03-0496



Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

STL San Francisco
1220 Quarry Lane
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CA DHS ELAP#1094

Method Blank	Soil	QC Batch # 2002/03/29-02.31
MB: 2002/03/29-02.31-001		Date Extracted: 03/29/2002 09:20

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Chromium (Hexavalent)	ND	0.2	mg/Kg	03/29/2002 09:25	

Submission #: 2002-03-0496



Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A water

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/25-01.31
LCS: 2002/03/25-01.31-002 Extracted: 03/25/2002 18:15 Analyzed: 03/25/2002 18:20
LCSD: 2002/03/25-01.31-003 Extracted: 03/25/2002 18:15 Analyzed: 03/25/2002 18:20

Compound	Conc. [mg/L]		Exp. Conc. [mg/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Chromium (Hexavalent)	0.200	0.200	0.200	0.200	100.0	100.0	0.0	80-120	20		

Submission #: 2002-03-0496



Hexavalent Chromium
Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2002/03/28-01.31
LCS: 2002/03/28-01.31-002	Extracted: 03/28/2002 10:10	Analyzed: 03/28/2002 10:15
LCSD: 2002/03/28-01.31-003	Extracted: 03/28/2002 10:10	Analyzed: 03/28/2002 10:15

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrt.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Chromium (Hexavalent)	2.00	2.00	2.00	2.00	100.0	100.0	0.0	80-120	20		

Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2002/03/29-02.31
LCS: 2002/03/29-02.31-002	Extracted: 03/29/2002 09:20	Analyzed: 03/29/2002 09:25
LCSD: 2002/03/29-02.31-003	Extracted: 03/29/2002 09:20	Analyzed: 03/29/2002 09:25

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CA DHS ELAP#1094

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Chromium (Hexavalent)	2.00	2.00	2.00	2.00	100.0	100.0	0.0	80-120	20		

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental	✉ 1615 Broadway, Suite 1003 Oakland, CA 94612
Attn: Chris Alger	Phone: (510) 834-4747 Fax: (510) 834-4199
01-201-A SitePort of Oakland	Project: 2225/2277 Seventh St.

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CA DHS ELAP#2496

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-31-GW	Water	03/25/2002 11:30	10
MFC-14-GW	Water	03/25/2002 15:35	18
MFC-14-GW-DUP	Water	03/25/2002 15:35	19
MFC-35-GW	Water	03/25/2002 17:00	21
MFC-19-Comp	Soil	03/25/2002 09:20	34
MFC-31-Comp	Soil	03/25/2002 09:30	35
MFC-18-Comp	Soil	03/25/2002 10:45	36
MFC-33-Comp	Soil	03/25/2002 11:15	37
MFC-14-Comp	Soil	03/25/2002 13:36	38
MFC-37-Comp	Soil	03/25/2002 14:20	39
MFC-35-Comp	Soil	03/25/2002 13:30	40
MFC-15-Comp	Soil	03/25/2002 14:17	41
MFC-16-Comp	Soil	03/25/2002	42
MFC-18-GW	Water	03/25/2002	44
MFC-19-GW	Water	03/25/2002 10:00	45

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-31-GW	Lab Sample ID: 2002-03-0496-010
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 11:30	QC-Batch: 2002/03/27-01.11
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	03/28/2002 12:25	
2-Chlorophenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Benzyl alcohol	ND	5.0	ug/L	1.00	03/28/2002 12:25	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
2-Methylphenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	03/28/2002 12:25	
4-Methylphenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Hexachloroethane	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Nitrobenzene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Isophorone	ND	2.0	ug/L	1.00	03/28/2002 12:25	
2-Nitrophenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	03/28/2002 12:25	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Naphthalene	130	4.0	ug/L	2.00	03/29/2002 12:21	
4-Chloroaniline	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	03/28/2002 12:25	
2-Methylnaphthalene	130	4.0	ug/L	2.00	03/29/2002 12:21	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	03/28/2002 12:25	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	03/28/2002 12:25	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
2-Nitroaniline	ND	10	ug/L	1.00	03/28/2002 12:25	
Dimethyl phthalate	ND	5.0	ug/L	1.00	03/28/2002 12:25	
Acenaphthylene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
3-Nitroaniline	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Acenaphthene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
2,4-Dinitrophenol	ND	10	ug/L	1.00	03/28/2002 12:25	
4-Nitrophenol	ND	10	ug/L	1.00	03/28/2002 12:25	
Dibenzofuran	4.6	2.0	ug/L	1.00	03/28/2002 12:25	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	03/28/2002 12:25	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-31-GW	Lab Sample ID: 2002-03-0496-010
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 11:30	QC-Batch: 2002/03/27-01.11
Matrix: Water	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	03/28/2002 12:25	
Diethyl phthalate	ND	5.0	ug/L	1.00	03/28/2002 12:25	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	03/28/2002 12:25	
Fluorene	14	2.0	ug/L	1.00	03/28/2002 12:25	
4-Nitroaniline	ND	10	ug/L	1.00	03/28/2002 12:25	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	03/28/2002 12:25	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	03/28/2002 12:25	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	03/28/2002 12:25	
Hexachlorobenzene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Pentachlorophenol	ND	10	ug/L	1.00	03/28/2002 12:25	
Phenanthrene	33	2.0	ug/L	1.00	03/28/2002 12:25	
Anthracene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	03/28/2002 12:25	
Fluoranthene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Pyrene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	03/28/2002 12:25	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	03/28/2002 12:25	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	03/28/2002 12:25	
Chrysene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	03/28/2002 12:25	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	03/28/2002 12:25	
Benzoic acid	ND	10	ug/L	1.00	03/28/2002 12:25	
Surrogate(s)						
Nitrobenzene-d5	94.4	35-114	%	1.00	03/28/2002 12:25	
2-Fluorobiphenyl	66.7	43-116	%	1.00	03/28/2002 12:25	
p-Terphenyl-d14	66.4	33-141	%	1.00	03/28/2002 12:25	
2-Fluorophenol	47.4	25-100	%	1.00	03/28/2002 12:25	
Phenol-d6	35.6	10-110	%	1.00	03/28/2002 12:25	
2,4,6-Tribromophenol	118.9	10-123	%	1.00	03/28/2002 12:25	

Submission #: 2002-03-0496



Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-14-GW	Lab Sample ID: 2002-03-0496-018
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 15:35	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: rl (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Bis(2-chloroethyl)ether	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2-Chlorophenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
1,3-Dichlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
1,4-Dichlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Benzyl alcohol	ND	6.0	ug/L	1.20	03/29/2002 12:49	
1,2-Dichlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2-Methylphenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Bis(2-chloroisopropyl) ether	ND	2.4	ug/L	1.20	03/29/2002 12:49	
4-Methylphenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
N-Nitroso-di-n-propylamine	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Hexachloroethane	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Nitrobenzene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Isophorone	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2-Nitrophenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2,4-Dimethylphenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Bis(2-chloroethoxy) methane	ND	6.0	ug/L	1.20	03/29/2002 12:49	
2,4-Dichlorophenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
1,2,4-Trichlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Naphthalene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
4-Chloroaniline	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Hexachlorobutadiene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
4-Chloro-3-methylphenol	ND	6.0	ug/L	1.20	03/29/2002 12:49	
2-Methylnaphthalene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Hexachlorocyclopentadiene	ND	6.0	ug/L	1.20	03/29/2002 12:49	
2,4,6-Trichlorophenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2,4,5-Trichlorophenol	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2-Chloronaphthalene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2-Nitroaniline	ND	12	ug/L	1.20	03/29/2002 12:49	
Dimethyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 12:49	
Acenaphthylene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
3-Nitroaniline	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Acenaphthene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2,4-Dinitrophenol	ND	12	ug/L	1.20	03/29/2002 12:49	
4-Nitrophenol	ND	12	ug/L	1.20	03/29/2002 12:49	
Dibenzofuran	ND	2.4	ug/L	1.20	03/29/2002 12:49	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566Tel 925 484 1919
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CA DHS ELAP#2496

Sample ID: MFC-14-GW	Lab Sample ID: 2002-03-0496-018
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 15:35	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: rl (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
2,6-Dinitrotoluene	ND	6.0	ug/L	1.20	03/29/2002 12:49	
Diethyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 12:49	
4-Chlorophenyl phenyl ether	ND	6.0	ug/L	1.20	03/29/2002 12:49	
Fluorene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
4-Nitroaniline	ND	12	ug/L	1.20	03/29/2002 12:49	
2-Methyl-4,6-dinitrophenol	ND	12	ug/L	1.20	03/29/2002 12:49	
N-Nitrosodiphenylamine	ND	2.4	ug/L	1.20	03/29/2002 12:49	
4-Bromophenyl phenyl ether	ND	6.0	ug/L	1.20	03/29/2002 12:49	
Hexachlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Pentachlorophenol	ND	12	ug/L	1.20	03/29/2002 12:49	
Phenanthrene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Anthracene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Di-n-butyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 12:49	
Fluoranthene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Pyrene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Butyl benzyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 12:49	
3,3-Dichlorobenzidine	ND	6.0	ug/L	1.20	03/29/2002 12:49	
Benzo(a)anthracene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
bis(2-Ethylhexyl) phthalate	ND	12	ug/L	1.20	03/29/2002 12:49	
Chrysene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Di-n-octyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 12:49	
Benzo(b)fluoranthene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Benzo(k)fluoranthene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Benzo(a)pyrene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Indeno(1,2,3-c,d)pyrene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Dibenzo(a,h)anthracene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Benzo(g,h,i)perylene	ND	2.4	ug/L	1.20	03/29/2002 12:49	
Benzoic acid	ND	12	ug/L	1.20	03/29/2002 12:49	
Surrogate(s)						
Nitrobenzene-d5	65.7	35-114	%	1.20	03/29/2002 12:49	
2-Fluorobiphenyl	74.4	43-116	%	1.20	03/29/2002 12:49	
p-Terphenyl-d14	70.5	33-141	%	1.20	03/29/2002 12:49	
2-Fluorophenol	43.4	25-100	%	1.20	03/29/2002 12:49	
Phenol-d6	33.7	10-110	%	1.20	03/29/2002 12:49	
2,4,6-Tribromophenol	124.2	10-123	%	1.20	03/29/2002 12:49	sh

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-14-GW-DUP	Lab Sample ID: 2002-03-0496-019
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 15:35	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: rl (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Bis(2-chloroethyl)ether	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2-Chlorophenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
1,3-Dichlorobenzene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
1,4-Dichlorobenzene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Benzyl alcohol	ND	5.8	ug/L	1.20	03/29/2002 13:18	
1,2-Dichlorobenzene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2-Methylphenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Bis(2-chloroisopropyl) ether	ND	2.3	ug/L	1.20	03/29/2002 13:18	
4-Methylphenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
N-Nitroso-di-n-propylamine	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Hexachloroethane	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Nitrobenzene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Isophorone	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2-Nitrophenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2,4-Dimethylphenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Bis(2-chloroethoxy) methane	ND	5.8	ug/L	1.20	03/29/2002 13:18	
2,4-Dichlorophenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
1,2,4-Trichlorobenzene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Naphthalene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
4-Chloroaniline	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Hexachlorobutadiene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
4-Chloro-3-methylphenol	ND	5.8	ug/L	1.20	03/29/2002 13:18	
2-Methylnaphthalene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Hexachlorocyclopentadiene	ND	5.8	ug/L	1.20	03/29/2002 13:18	
2,4,6-Trichlorophenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2,4,5-Trichlorophenol	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2-Chloronaphthalene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2-Nitroaniline	ND	12	ug/L	1.20	03/29/2002 13:18	
Dimethyl phthalate	ND	5.8	ug/L	1.20	03/29/2002 13:18	
Acenaphthylene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
3-Nitroaniline	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Acenaphthene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2,4-Dinitrophenol	ND	12	ug/L	1.20	03/29/2002 13:18	
4-Nitrophenol	ND	12	ug/L	1.20	03/29/2002 13:18	
Dibenzofuran	ND	2.3	ug/L	1.20	03/29/2002 13:18	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-14-GW-DUP	Lab Sample ID: 2002-03-0496-019
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 15:35	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: ri (See Legend & Note section)	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
2,6-Dinitrotoluene	ND	5.8	ug/L	1.20	03/29/2002 13:18	
Diethyl phthalate	ND	5.8	ug/L	1.20	03/29/2002 13:18	
4-Chlorophenyl phenyl ether	ND	5.8	ug/L	1.20	03/29/2002 13:18	
Fluorene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
4-Nitroaniline	ND	12	ug/L	1.20	03/29/2002 13:18	
2-Methyl-4,6-dinitrophenol	ND	12	ug/L	1.20	03/29/2002 13:18	
N-Nitrosodiphenylamine	ND	2.3	ug/L	1.20	03/29/2002 13:18	
4-Bromophenyl phenyl ether	ND	5.8	ug/L	1.20	03/29/2002 13:18	
Hexachlorobenzene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Pentachlorophenol	ND	12	ug/L	1.20	03/29/2002 13:18	
Phenanthrene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Anthracene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Di-n-butyl phthalate	ND	5.8	ug/L	1.20	03/29/2002 13:18	
Fluoranthene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Pyrene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Butyl benzyl phthalate	ND	5.8	ug/L	1.20	03/29/2002 13:18	
3,3-Dichlorobenzidine	ND	5.8	ug/L	1.20	03/29/2002 13:18	
Benzo(a)anthracene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
bis(2-Ethylhexyl) phthalate	ND	12	ug/L	1.20	03/29/2002 13:18	
Chrysene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Di-n-octyl phthalate	ND	5.8	ug/L	1.20	03/29/2002 13:18	
Benzo(b)fluoranthene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Benzo(k)fluoranthene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Benzo(a)pyrene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Indeno(1,2,3-c,d)pyrene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Dibenzo(a,h)anthracene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Benzo(g,h,i)perylene	ND	2.3	ug/L	1.20	03/29/2002 13:18	
Benzoic acid	ND	12	ug/L	1.20	03/29/2002 13:18	
Surrogate(s)						
Nitrobenzene-d5	57.5	35-114	%	1.20	03/29/2002 13:18	
2-Fluorobiphenyl	69.0	43-116	%	1.20	03/29/2002 13:18	
p-Terphenyl-d14	66.0	33-141	%	1.20	03/29/2002 13:18	
2-Fluorophenol	36.4	25-100	%	1.20	03/29/2002 13:18	
Phenol-d6	28.7	10-110	%	1.20	03/29/2002 13:18	
2,4,6-Tribromophenol	122.1	10-123	%	1.20	03/29/2002 13:18	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-35-GW	Lab Sample ID: 2002-03-0496-021
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 17:00	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: sdo (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	20	ug/L	10.00	03/29/2002 13:47	
Bis(2-chloroethyl)ether	ND	20	ug/L	10.00	03/29/2002 13:47	
2-Chlorophenol	ND	20	ug/L	10.00	03/29/2002 13:47	
1,3-Dichlorobenzene	ND	20	ug/L	10.00	03/29/2002 13:47	
1,4-Dichlorobenzene	ND	20	ug/L	10.00	03/29/2002 13:47	
Benzyl alcohol	ND	50	ug/L	10.00	03/29/2002 13:47	
1,2-Dichlorobenzene	ND	20	ug/L	10.00	03/29/2002 13:47	
2-Methylphenol	ND	20	ug/L	10.00	03/29/2002 13:47	
Bis(2-chloroisopropyl) ether	ND	20	ug/L	10.00	03/29/2002 13:47	
4-Methylphenol	ND	20	ug/L	10.00	03/29/2002 13:47	
N-Nitroso-di-n-propylamine	ND	20	ug/L	10.00	03/29/2002 13:47	
Hexachloroethane	ND	20	ug/L	10.00	03/29/2002 13:47	
Nitrobenzene	ND	20	ug/L	10.00	03/29/2002 13:47	
Isophorone	ND	20	ug/L	10.00	03/29/2002 13:47	
2-Nitrophenol	ND	20	ug/L	10.00	03/29/2002 13:47	
2,4-Dimethylphenol	ND	20	ug/L	10.00	03/29/2002 13:47	
Bis(2-chloroethoxy) methane	ND	50	ug/L	10.00	03/29/2002 13:47	
2,4-Dichlorophenol	ND	20	ug/L	10.00	03/29/2002 13:47	
1,2,4-Trichlorobenzene	ND	20	ug/L	10.00	03/29/2002 13:47	
Naphthalene	190	20	ug/L	10.00	03/29/2002 13:47	
4-Chloroaniline	ND	20	ug/L	10.00	03/29/2002 13:47	
Hexachlorobutadiene	ND	20	ug/L	10.00	03/29/2002 13:47	
4-Chloro-3-methylphenol	ND	50	ug/L	10.00	03/29/2002 13:47	
2-Methylnaphthalene	630	20	ug/L	10.00	03/29/2002 13:47	
Hexachlorocyclopentadiene	ND	50	ug/L	10.00	03/29/2002 13:47	
2,4,6-Trichlorophenol	ND	20	ug/L	10.00	03/29/2002 13:47	
2,4,5-Trichlorophenol	ND	20	ug/L	10.00	03/29/2002 13:47	
2-Chloronaphthalene	ND	20	ug/L	10.00	03/29/2002 13:47	
2-Nitroaniline	ND	100	ug/L	10.00	03/29/2002 13:47	
Dimethyl phthalate	ND	50	ug/L	10.00	03/29/2002 13:47	
Acenaphthylene	ND	20	ug/L	10.00	03/29/2002 13:47	
3-Nitroaniline	ND	20	ug/L	10.00	03/29/2002 13:47	
Acenaphthene	ND	20	ug/L	10.00	03/29/2002 13:47	
2,4-Dinitrophenol	ND	100	ug/L	10.00	03/29/2002 13:47	
4-Nitrophenol	ND	100	ug/L	10.00	03/29/2002 13:47	
Dibenzofuran	ND	20	ug/L	10.00	03/29/2002 13:47	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-35-GW	Lab Sample ID: 2002-03-0496-021
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 17:00	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: sdo { See Legend & Note section }	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	20	ug/L	10.00	03/29/2002 13:47	
2,6-Dinitrotoluene	ND	50	ug/L	10.00	03/29/2002 13:47	
Diethyl phthalate	ND	50	ug/L	10.00	03/29/2002 13:47	
4-Chlorophenyl phenyl ether	ND	50	ug/L	10.00	03/29/2002 13:47	
Fluorene	78	20	ug/L	10.00	03/29/2002 13:47	
4-Nitroaniline	ND	100	ug/L	10.00	03/29/2002 13:47	
2-Methyl-4,6-dinitrophenol	ND	100	ug/L	10.00	03/29/2002 13:47	
N-Nitrosodiphenylamine	ND	20	ug/L	10.00	03/29/2002 13:47	
4-Bromophenyl phenyl ether	ND	50	ug/L	10.00	03/29/2002 13:47	
Hexachlorobenzene	ND	20	ug/L	10.00	03/29/2002 13:47	
Pentachlorophenol	ND	100	ug/L	10.00	03/29/2002 13:47	
Phenanthrene	130	20	ug/L	10.00	03/29/2002 13:47	
Anthracene	ND	20	ug/L	10.00	03/29/2002 13:47	
Di-n-butyl phthalate	ND	50	ug/L	10.00	03/29/2002 13:47	
Fluoranthene	ND	20	ug/L	10.00	03/29/2002 13:47	
Pyrene	ND	20	ug/L	10.00	03/29/2002 13:47	
Butyl benzyl phthalate	ND	50	ug/L	10.00	03/29/2002 13:47	
3,3-Dichlorobenzidine	ND	50	ug/L	10.00	03/29/2002 13:47	
Benzo(a)anthracene	ND	20	ug/L	10.00	03/29/2002 13:47	
bis(2-Ethylhexyl) phthalate	ND	100	ug/L	10.00	03/29/2002 13:47	
Chrysene	ND	20	ug/L	10.00	03/29/2002 13:47	
Di-n-octyl phthalate	ND	50	ug/L	10.00	03/29/2002 13:47	
Benzo(b)fluoranthene	ND	20	ug/L	10.00	03/29/2002 13:47	
Benzo(k)fluoranthene	ND	20	ug/L	10.00	03/29/2002 13:47	
Benzo(a)pyrene	ND	20	ug/L	10.00	03/29/2002 13:47	
Indeno(1,2,3-c,d)pyrene	ND	20	ug/L	10.00	03/29/2002 13:47	
Dibenzo(a,h)anthracene	ND	20	ug/L	10.00	03/29/2002 13:47	
Benzo(g,h,i)perylene	ND	20	ug/L	10.00	03/29/2002 13:47	
Benzoic acid	ND	100	ug/L	10.00	03/29/2002 13:47	
Surrogate(s)						
Nitrobenzene-d5	NA	35-114	%	10.00	03/29/2002 13:47	
2-Fluorobiphenyl	NA	43-116	%	10.00	03/29/2002 13:47	
p-Terphenyl-d14	NA	33-141	%	10.00	03/29/2002 13:47	
2-Fluorophenol	NA	25-100	%	10.00	03/29/2002 13:47	
Phenol-d6	NA	10-110	%	10.00	03/29/2002 13:47	
2,4,6-Tribromophenol	NA	10-123	%	10.00	03/29/2002 13:47	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-19-Comp	Lab Sample ID: 2002-03-0496-034
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 09:20	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Irr (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
4-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Hexachloroethane	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Nitrobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Isophorone	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Naphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 14:20	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
Acenaphthylene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Acenaphthene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 14:20	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 14:20	
Dibenzofuran	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-19-Comp	Lab Sample ID: 2002-03-0496-034
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 09:20	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Irr (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
Fluorene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 14:20	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 14:20	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	03/27/2002 14:20	
Phenanthrene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
Fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	03/27/2002 14:20	
Chrysene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 14:20	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	03/27/2002 14:20	
Benzoic acid	ND	1.7	mg/Kg	5.00	03/27/2002 14:20	
Surrogate(s)						
Nitrobenzene-d5	45.8	23-120	%	5.00	03/27/2002 14:20	
2-Fluorobiphenyl	74.7	30-115	%	5.00	03/27/2002 14:20	
p-Terphenyl-d14	161.8	18-137	%	5.00	03/27/2002 14:20	sh
2-Fluorophenol	44.5	25-121	%	5.00	03/27/2002 14:20	
Phenol-d6	74.7	24-113	%	5.00	03/27/2002 14:20	
2,4,6-Tribromophenol	103.2	19-122	%	5.00	03/27/2002 14:20	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-31-Comp	Lab Sample ID: 2002-03-0496-035
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/26-01.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
2-Methylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
4-Methylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Hexachloroethane	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Nitrobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Isophorone	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Naphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	03/27/2002 16:05	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
Acenaphthylene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Acenaphthene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 16:05	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 16:05	
Dibenzofuran	0.069	0.067	mg/Kg	1.00	03/27/2002 16:05	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

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Pleasanton, CA 94566

Sample ID: MFC-31-Comp	Lab Sample ID: 2002-03-0496-035
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/26-01.11
Matrix: Soil	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
Fluorene	0.14	0.067	mg/Kg	1.00	03/27/2002 16:05	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	03/27/2002 16:05	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 16:05	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	03/27/2002 16:05	
Phenanthrene	0.32	0.067	mg/Kg	1.00	03/27/2002 16:05	
Anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
Fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	03/27/2002 16:05	
Chrysene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 16:05	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	03/27/2002 16:05	
Benzoic acid	ND	0.33	mg/Kg	1.00	03/27/2002 16:05	
Surrogate(s)						
Nitrobenzene-d5	48.3	23-120	%	1.00	03/27/2002 16:05	
2-Fluorobiphenyl	54.4	30-115	%	1.00	03/27/2002 16:05	
p-Terphenyl-d14	135.2	18-137	%	1.00	03/27/2002 16:05	
2-Fluorophenol	43.9	25-121	%	1.00	03/27/2002 16:05	
Phenol-d6	58.2	24-113	%	1.00	03/27/2002 16:05	
2,4,6-Tribromophenol	95.3	19-122	%	1.00	03/27/2002 16:05	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
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CA DHS ELAP#2496

Sample ID: MFC-18-Comp	Lab Sample ID: 2002-03-0496-036
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 10:45	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Im (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
4-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Hexachloroethane	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Nitrobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Isophorone	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Naphthalene	0.36	0.34	mg/Kg	5.00	03/27/2002 16:40	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
2-Methylnaphthalene	0.42	0.34	mg/Kg	5.00	03/27/2002 16:40	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 16:40	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
Acenaphthylene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Acenaphthene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 16:40	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 16:40	
Dibenzofuran	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
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Sample ID: MFC-18-Comp	Lab Sample ID: 2002-03-0496-036
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 10:45	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Irr (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
Fluorene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 16:40	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 16:40	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	03/27/2002 16:40	
Phenanthrene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
Fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	03/27/2002 16:40	
Chrysene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 16:40	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	03/27/2002 16:40	
Benzoic acid	ND	1.7	mg/Kg	5.00	03/27/2002 16:40	
Surrogate(s)						
Nitrobenzene-d5	109.6	23-120	%	5.00	03/27/2002 16:40	
2-Fluorobiphenyl	127.9	30-115	%	5.00	03/27/2002 16:40	sh
p-Terphenyl-d14	169.5	18-137	%	5.00	03/27/2002 16:40	sh
2-Fluorophenol	105.0	25-121	%	5.00	03/27/2002 16:40	
Phenol-d6	133.6	24-113	%	5.00	03/27/2002 16:40	sh
2,4,6-Tribromophenol	108.6	19-122	%	5.00	03/27/2002 16:40	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-33-Comp	Lab Sample ID: 2002-03-0496-037
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 11:15	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Irm (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
4-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Hexachloroethane	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Nitrobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Isophorone	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Naphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 17:15	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
Acenaphthylene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Acenaphthene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 17:15	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 17:15	
Dibenzofuran	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-33-Comp	Lab Sample ID: 2002-03-0496-037
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 11:15	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Irr (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
Fluorene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 17:15	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 17:15	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	03/27/2002 17:15	
Phenanthrene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
Fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	03/27/2002 17:15	
Chrysene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 17:15	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	03/27/2002 17:15	
Benzoic acid	ND	1.7	mg/Kg	5.00	03/27/2002 17:15	
Surrogate(s)						
Nitrobenzene-d5	69.3	23-120	%	5.00	03/27/2002 17:15	
2-Fluorobiphenyl	91.3	30-115	%	5.00	03/27/2002 17:15	
p-Terphenyl-d14	173.4	18-137	%	5.00	03/27/2002 17:15	sh
2-Fluorophenol	62.3	25-121	%	5.00	03/27/2002 17:15	
Phenol-d6	88.3	24-113	%	5.00	03/27/2002 17:15	
2,4,6-Tribromophenol	111.9	19-122	%	5.00	03/27/2002 17:15	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-14-Comp	Lab Sample ID: 2002-03-0496-038
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 13:36	QC-Batch: 2002/03/26-01.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2-Methylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
4-Methylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Hexachloroethane	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Nitrobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Isophorone	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Naphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	03/27/2002 17:50	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
Acenaphthylene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Acenaphthene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 17:50	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 17:50	
Dibenzofuran	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-14-Comp	Lab Sample ID: 2002-03-0496-038
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 13:36	QC-Batch: 2002/03/26-01.11
Matrix: Soil	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
Fluorene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	03/27/2002 17:50	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 17:50	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	03/27/2002 17:50	
Phenanthrene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
Fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	03/27/2002 17:50	
Chrysene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 17:50	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	03/27/2002 17:50	
Benzoic acid	ND	0.33	mg/Kg	1.00	03/27/2002 17:50	
Surrogate(s)						
Nitrobenzene-d5	89.3	23-120	%	1.00	03/27/2002 17:50	
2-Fluorobiphenyl	93.1	30-115	%	1.00	03/27/2002 17:50	
p-Terphenyl-d14	136.8	18-137	%	1.00	03/27/2002 17:50	
2-Fluorophenol	80.8	25-121	%	1.00	03/27/2002 17:50	
Phenol-d6	94.7	24-113	%	1.00	03/27/2002 17:50	
2,4,6-Tribromophenol	96.1	19-122	%	1.00	03/27/2002 17:50	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-37-Comp	Lab Sample ID: 2002-03-0496-039
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/26-01.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2-Methylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
4-Methylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Hexachloroethane	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Nitrobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Isophorone	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Naphthalene	0.47	0.067	mg/Kg	1.00	03/27/2002 18:25	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
2-Methylnaphthalene	2.4	0.067	mg/Kg	1.00	03/27/2002 18:25	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	03/27/2002 18:25	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
Acenaphthylene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Acenaphthene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 18:25	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 18:25	
Dibenzofuran	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-37-Comp	Lab Sample ID: 2002-03-0496-039
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/26-01.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
Fluorene	0.66	0.067	mg/Kg	1.00	03/27/2002 18:25	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	03/27/2002 18:25	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 18:25	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	03/27/2002 18:25	
Phenanthrene	0.99	0.067	mg/Kg	1.00	03/27/2002 18:25	
Anthracene	0.074	0.067	mg/Kg	1.00	03/27/2002 18:25	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
Fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Pyrene	0.091	0.067	mg/Kg	1.00	03/27/2002 18:25	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	03/27/2002 18:25	
Chrysene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 18:25	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	03/27/2002 18:25	
Benzoic acid	ND	0.33	mg/Kg	1.00	03/27/2002 18:25	
Surrogate(s)						
Nitrobenzene-d5	108.8	23-120	%	1.00	03/27/2002 18:25	
2-Fluorobiphenyl	125.8	30-115	%	1.00	03/27/2002 18:25	sh
p-Terphenyl-d14	164.4	18-137	%	1.00	03/27/2002 18:25	sh
2-Fluorophenol	92.8	25-121	%	1.00	03/27/2002 18:25	
Phenol-d6	109.2	24-113	%	1.00	03/27/2002 18:25	
2,4,6-Tribromophenol	134.4	19-122	%	1.00	03/27/2002 18:25	sh

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-35-Comp	Lab Sample ID: 2002-03-0496-040
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 13:30	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Im (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
4-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Hexachloroethane	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Nitrobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Isophorone	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Naphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 19:00	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
Acenaphthylene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Acenaphthene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 19:00	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 19:00	
Dibenzofuran	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-35-Comp	Lab Sample ID: 2002-03-0496-040
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 13:30	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Irr (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
Fluorene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 19:00	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 19:00	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	03/27/2002 19:00	
Phenanthrene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
Fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	03/27/2002 19:00	
Chrysene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:00	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	03/27/2002 19:00	
Benzoic acid	ND	1.7	mg/Kg	5.00	03/27/2002 19:00	
Surrogate(s)						
Nitrobenzene-d5	107.4	23-120	%	5.00	03/27/2002 19:00	
2-Fluorobiphenyl	130.0	30-115	%	5.00	03/27/2002 19:00	sh
p-Terphenyl-d14	244.0	18-137	%	5.00	03/27/2002 19:00	sh
2-Fluorophenol	98.7	25-121	%	5.00	03/27/2002 19:00	
Phenol-d6	131.3	24-113	%	5.00	03/27/2002 19:00	sh
2,4,6-Tribromophenol	106.8	19-122	%	5.00	03/27/2002 19:00	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-15-Comp	Lab Sample ID: 2002-03-0496-041
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 14:17	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: 1rn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
4-Methylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Hexachloroethane	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Nitrobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Isophorone	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Naphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 19:35	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
Acenaphthylene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Acenaphthene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 19:35	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 19:35	
Dibenzofuran	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-15-Comp	Lab Sample ID: 2002-03-0496-041
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002 14:17	QC-Batch: 2002/03/26-01.11
Matrix: Soil	
Sample/Analysis Flag: Im (See Legend & Note section)	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
Fluorene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	03/27/2002 19:35	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	03/27/2002 19:35	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	03/27/2002 19:35	
Phenanthrene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
Fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	03/27/2002 19:35	
Chrysene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	03/27/2002 19:35	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	03/27/2002 19:35	
Benzoic acid	ND	1.7	mg/Kg	5.00	03/27/2002 19:35	
Surrogate(s)						
Nitrobenzene-d5	89.6	23-120	%	5.00	03/27/2002 19:35	
2-Fluorobiphenyl	109.3	30-115	%	5.00	03/27/2002 19:35	
p-Terphenyl-d14	169.7	18-137	%	5.00	03/27/2002 19:35	sh
2-Fluorophenol	85.5	25-121	%	5.00	03/27/2002 19:35	
Phenol-d6	113.0	24-113	%	5.00	03/27/2002 19:35	
2,4,6-Tribromophenol	101.4	19-122	%	5.00	03/27/2002 19:35	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-16-Comp	Lab Sample ID: 2002-03-0496-042
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002	QC-Batch: 2002/03/26-01.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2-Methylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
4-Methylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Hexachloroethane	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Nitrobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Isophorone	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Naphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	03/27/2002 20:10	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
Acenaphthylene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Acenaphthene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 20:10	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 20:10	
Dibenzofuran	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C
3550B/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-16-Comp	Lab Sample ID: 2002-03-0496-042
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 16:34
Sampled: 03/25/2002	QC-Batch: 2002/03/26-01.11
Matrix: Soil	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
Fluorene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	03/27/2002 20:10	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	03/27/2002 20:10	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	03/27/2002 20:10	
Phenanthrene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
Fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	03/27/2002 20:10	
Chrysene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	03/27/2002 20:10	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	03/27/2002 20:10	
Benzoic acid	ND	0.33	mg/Kg	1.00	03/27/2002 20:10	
Surrogate(s)						
Nitrobenzene-d5	99.6	23-120	%	1.00	03/27/2002 20:10	
2-Fluorobiphenyl	104.0	30-115	%	1.00	03/27/2002 20:10	
p-Terphenyl-d14	141.4	18-137	%	1.00	03/27/2002 20:10	sh
2-Fluorophenol	90.0	25-121	%	1.00	03/27/2002 20:10	
Phenol-d6	106.6	24-113	%	1.00	03/27/2002 20:10	
2,4,6-Tribromophenol	112.3	19-122	%	1.00	03/27/2002 20:10	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-18-GW	Lab Sample ID: 2002-03-0496-044
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: sdo,rl (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	23	ug/L	11.50	03/29/2002 14:16	
Bis(2-chloroethyl)ether	ND	23	ug/L	11.50	03/29/2002 14:16	
2-Chlorophenol	ND	23	ug/L	11.50	03/29/2002 14:16	
1,3-Dichlorobenzene	ND	23	ug/L	11.50	03/29/2002 14:16	
1,4-Dichlorobenzene	ND	23	ug/L	11.50	03/29/2002 14:16	
Benzyl alcohol	ND	57	ug/L	11.50	03/29/2002 14:16	
1,2-Dichlorobenzene	ND	23	ug/L	11.50	03/29/2002 14:16	
2-Methylphenol	ND	23	ug/L	11.50	03/29/2002 14:16	
Bis(2-chloroisopropyl) ether	ND	23	ug/L	11.50	03/29/2002 14:16	
4-Methylphenol	ND	23	ug/L	11.50	03/29/2002 14:16	
N-Nitroso-di-n-propylamine	ND	23	ug/L	11.50	03/29/2002 14:16	
Hexachloroethane	ND	23	ug/L	11.50	03/29/2002 14:16	
Nitrobenzene	ND	23	ug/L	11.50	03/29/2002 14:16	
Isophorone	ND	23	ug/L	11.50	03/29/2002 14:16	
2-Nitrophenol	ND	23	ug/L	11.50	03/29/2002 14:16	
2,4-Dimethylphenol	ND	23	ug/L	11.50	03/29/2002 14:16	
Bis(2-chloroethoxy) methane	ND	57	ug/L	11.50	03/29/2002 14:16	
2,4-Dichlorophenol	ND	23	ug/L	11.50	03/29/2002 14:16	
1,2,4-Trichlorobenzene	ND	23	ug/L	11.50	03/29/2002 14:16	
Naphthalene	380	23	ug/L	11.50	03/29/2002 14:16	
4-Chloroaniline	ND	23	ug/L	11.50	03/29/2002 14:16	
Hexachlorobutadiene	ND	23	ug/L	11.50	03/29/2002 14:16	
4-Chloro-3-methylphenol	ND	57	ug/L	11.50	03/29/2002 14:16	
2-Methylnaphthalene	760	23	ug/L	11.50	03/29/2002 14:16	
Hexachlorocyclopentadiene	ND	57	ug/L	11.50	03/29/2002 14:16	
2,4,6-Trichlorophenol	ND	23	ug/L	11.50	03/29/2002 14:16	
2,4,5-Trichlorophenol	ND	23	ug/L	11.50	03/29/2002 14:16	
2-Chloronaphthalene	ND	23	ug/L	11.50	03/29/2002 14:16	
2-Nitroaniline	ND	110	ug/L	11.50	03/29/2002 14:16	
Dimethyl phthalate	ND	57	ug/L	11.50	03/29/2002 14:16	
Acenaphthylene	ND	23	ug/L	11.50	03/29/2002 14:16	
3-Nitroaniline	ND	23	ug/L	11.50	03/29/2002 14:16	
Acenaphthene	ND	23	ug/L	11.50	03/29/2002 14:16	
2,4-Dinitrophenol	ND	110	ug/L	11.50	03/29/2002 14:16	
4-Nitrophenol	ND	110	ug/L	11.50	03/29/2002 14:16	
Dibenzofuran	ND	23	ug/L	11.50	03/29/2002 14:16	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-18-GW	Lab Sample ID: 2002-03-0496-044
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: sdo,r1 (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	23	ug/L	11.50	03/29/2002 14:16	
2,6-Dinitrotoluene	ND	57	ug/L	11.50	03/29/2002 14:16	
Diethyl phthalate	ND	57	ug/L	11.50	03/29/2002 14:16	
4-Chlorophenyl phenyl ether	ND	57	ug/L	11.50	03/29/2002 14:16	
Fluorene	64	23	ug/L	11.50	03/29/2002 14:16	
4-Nitroaniline	ND	110	ug/L	11.50	03/29/2002 14:16	
2-Methyl-4,6-dinitrophenol	ND	110	ug/L	11.50	03/29/2002 14:16	
N-Nitrosodiphenylamine	ND	23	ug/L	11.50	03/29/2002 14:16	
4-Bromophenyl phenyl ether	ND	57	ug/L	11.50	03/29/2002 14:16	
Hexachlorobenzene	ND	23	ug/L	11.50	03/29/2002 14:16	
Pentachlorophenol	ND	110	ug/L	11.50	03/29/2002 14:16	
Phenanthrene	180	23	ug/L	11.50	03/29/2002 14:16	
Anthracene	ND	23	ug/L	11.50	03/29/2002 14:16	
Di-n-butyl phthalate	ND	57	ug/L	11.50	03/29/2002 14:16	
Fluoranthene	ND	23	ug/L	11.50	03/29/2002 14:16	
Pyrene	ND	23	ug/L	11.50	03/29/2002 14:16	
Butyl benzyl phthalate	ND	57	ug/L	11.50	03/29/2002 14:16	
3,3-Dichlorobenzidine	ND	57	ug/L	11.50	03/29/2002 14:16	
Benzo(a)anthracene	ND	23	ug/L	11.50	03/29/2002 14:16	
bis(2-Ethylhexyl) phthalate	ND	110	ug/L	11.50	03/29/2002 14:16	
Chrysene	ND	23	ug/L	11.50	03/29/2002 14:16	
Di-n-octyl phthalate	ND	57	ug/L	11.50	03/29/2002 14:16	
Benzo(b)fluoranthene	ND	23	ug/L	11.50	03/29/2002 14:16	
Benzo(k)fluoranthene	ND	23	ug/L	11.50	03/29/2002 14:16	
Benzo(a)pyrene	ND	23	ug/L	11.50	03/29/2002 14:16	
Indeno(1,2,3-c,d)pyrene	ND	23	ug/L	11.50	03/29/2002 14:16	
Dibenzo(a,h)anthracene	ND	23	ug/L	11.50	03/29/2002 14:16	
Benzo(g,h,i)perylene	ND	23	ug/L	11.50	03/29/2002 14:16	
Benzoic acid	ND	110	ug/L	11.50	03/29/2002 14:16	
Surrogate(s)						
Nitrobenzene-d5	NA	35-114	%	11.50	03/29/2002 14:16	
2-Fluorobiphenyl	NA	43-116	%	11.50	03/29/2002 14:16	
p-Terphenyl-d14	NA	33-141	%	11.50	03/29/2002 14:16	
2-Fluorophenol	NA	25-100	%	11.50	03/29/2002 14:16	
Phenol-d6	NA	10-110	%	11.50	03/29/2002 14:16	
2,4,6-Tribromophenol	NA	10-123	%	11.50	03/29/2002 14:16	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C
3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-19-GW	Lab Sample ID: 2002-03-0496-045
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 10:00	QC-Batch: 2002/03/27-01.11
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	10	ug/L	5.00	03/29/2002 14:45	
Bis(2-chloroethyl)ether	ND	10	ug/L	5.00	03/29/2002 14:45	
2-Chlorophenol	ND	10	ug/L	5.00	03/29/2002 14:45	
1,3-Dichlorobenzene	ND	10	ug/L	5.00	03/29/2002 14:45	
1,4-Dichlorobenzene	ND	10	ug/L	5.00	03/29/2002 14:45	
Benzyl alcohol	ND	25	ug/L	5.00	03/29/2002 14:45	
1,2-Dichlorobenzene	ND	10	ug/L	5.00	03/29/2002 14:45	
2-Methylphenol	ND	10	ug/L	5.00	03/29/2002 14:45	
Bis(2-chloroisopropyl) ether	ND	10	ug/L	5.00	03/29/2002 14:45	
4-Methylphenol	ND	10	ug/L	5.00	03/29/2002 14:45	
N-Nitroso-di-n-propylamine	ND	10	ug/L	5.00	03/29/2002 14:45	
Hexachloroethane	ND	10	ug/L	5.00	03/29/2002 14:45	
Nitrobenzene	ND	10	ug/L	5.00	03/29/2002 14:45	
Isophorone	ND	10	ug/L	5.00	03/29/2002 14:45	
2-Nitrophenol	ND	10	ug/L	5.00	03/29/2002 14:45	
2,4-Dimethylphenol	ND	10	ug/L	5.00	03/29/2002 14:45	
Bis(2-chloroethoxy) methane	ND	25	ug/L	5.00	03/29/2002 14:45	
2,4-Dichlorophenol	ND	10	ug/L	5.00	03/29/2002 14:45	
1,2,4-Trichlorobenzene	ND	10	ug/L	5.00	03/29/2002 14:45	
Naphthalene	140	10	ug/L	5.00	03/29/2002 14:45	
4-Chloroaniline	ND	10	ug/L	5.00	03/29/2002 14:45	
Hexachlorobutadiene	ND	10	ug/L	5.00	03/29/2002 14:45	
4-Chloro-3-methylphenol	ND	25	ug/L	5.00	03/29/2002 14:45	
2-Methylnaphthalene	280	10	ug/L	5.00	03/29/2002 14:45	
Hexachlorocyclopentadiene	ND	25	ug/L	5.00	03/29/2002 14:45	
2,4,6-Trichlorophenol	ND	10	ug/L	5.00	03/29/2002 14:45	
2,4,5-Trichlorophenol	ND	10	ug/L	5.00	03/29/2002 14:45	
2-Chloronaphthalene	ND	10	ug/L	5.00	03/29/2002 14:45	
2-Nitroaniline	ND	50	ug/L	5.00	03/29/2002 14:45	
Dimethyl phthalate	ND	25	ug/L	5.00	03/29/2002 14:45	
Acenaphthylene	ND	10	ug/L	5.00	03/29/2002 14:45	
3-Nitroaniline	ND	10	ug/L	5.00	03/29/2002 14:45	
Acenaphthene	ND	10	ug/L	5.00	03/29/2002 14:45	
2,4-Dinitrophenol	ND	50	ug/L	5.00	03/29/2002 14:45	
4-Nitrophenol	ND	50	ug/L	5.00	03/29/2002 14:45	
Dibenzofuran	ND	10	ug/L	5.00	03/29/2002 14:45	
2,4-Dinitrotoluene	ND	10	ug/L	5.00	03/29/2002 14:45	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

Test Method: 8270C
Prep Method: 3510C/8270C
3550B/8270C

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-19-GW	Lab Sample ID: 2002-03-0496-045
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/25/2002 10:00	QC-Batch: 2002/03/27-01.11
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	25	ug/L	5.00	03/29/2002 14:45	
Diethyl phthalate	ND	25	ug/L	5.00	03/29/2002 14:45	
4-Chlorophenyl phenyl ether	ND	25	ug/L	5.00	03/29/2002 14:45	
Fluorene	44	10	ug/L	5.00	03/29/2002 14:45	
4-Nitroaniline	ND	50	ug/L	5.00	03/29/2002 14:45	
2-Methyl-4,6-dinitrophenol	ND	50	ug/L	5.00	03/29/2002 14:45	
N-Nitrosodiphenylamine	ND	10	ug/L	5.00	03/29/2002 14:45	
4-Bromophenyl phenyl ether	ND	25	ug/L	5.00	03/29/2002 14:45	
Hexachlorobenzene	ND	10	ug/L	5.00	03/29/2002 14:45	
Pentachlorophenol	ND	50	ug/L	5.00	03/29/2002 14:45	
Phenanthrene	110	10	ug/L	5.00	03/29/2002 14:45	
Anthracene	ND	10	ug/L	5.00	03/29/2002 14:45	
Di-n-butyl phthalate	ND	25	ug/L	5.00	03/29/2002 14:45	
Fluoranthene	ND	10	ug/L	5.00	03/29/2002 14:45	
Pyrene	ND	10	ug/L	5.00	03/29/2002 14:45	
Butyl benzyl phthalate	ND	25	ug/L	5.00	03/29/2002 14:45	
3,3-Dichlorobenzidine	ND	25	ug/L	5.00	03/29/2002 14:45	
Benzo(a)anthracene	ND	10	ug/L	5.00	03/29/2002 14:45	
bis(2-Ethylhexyl) phthalate	ND	50	ug/L	5.00	03/29/2002 14:45	
Chrysene	ND	10	ug/L	5.00	03/29/2002 14:45	
Di-n-octyl phthalate	ND	25	ug/L	5.00	03/29/2002 14:45	
Benzo(b)fluoranthene	ND	10	ug/L	5.00	03/29/2002 14:45	
Benzo(k)fluoranthene	ND	10	ug/L	5.00	03/29/2002 14:45	
Benzo(a)pyrene	ND	10	ug/L	5.00	03/29/2002 14:45	
Indeno(1,2,3-c,d)pyrene	ND	10	ug/L	5.00	03/29/2002 14:45	
Dibenzo(a,h)anthracene	ND	10	ug/L	5.00	03/29/2002 14:45	
Benzo(g,h,i)perylene	ND	10	ug/L	5.00	03/29/2002 14:45	
Benzoic acid	ND	50	ug/L	5.00	03/29/2002 14:45	
Surrogate(s)						
Nitrobenzene-d5	67.0	35-114	%	5.00	03/29/2002 14:45	
2-Fluorobiphenyl	92.5	43-116	%	5.00	03/29/2002 14:45	
p-Terphenyl-d14	85.2	33-141	%	5.00	03/29/2002 14:45	
2-Fluorophenol	48.8	25-100	%	5.00	03/29/2002 14:45	
Phenol-d6	38.1	10-110	%	5.00	03/29/2002 14:45	
2,4,6-Tribromophenol	ND	10-123	%	5.00	03/29/2002 14:45	sl

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3550B/8270C
CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/03/26-01.11

MB: 2002/03/26-01.11-003

Date Extracted: 03/26/2002 16:34

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	03/27/2002 11:07	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	03/27/2002 11:07	
2-Chlorophenol	ND	0.067	mg/Kg	03/27/2002 11:07	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	03/27/2002 11:07	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	03/27/2002 11:07	
Benzyl alcohol	ND	0.17	mg/Kg	03/27/2002 11:07	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	03/27/2002 11:07	
2-Methylphenol	ND	0.067	mg/Kg	03/27/2002 11:07	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	03/27/2002 11:07	
4-Methylphenol	ND	0.067	mg/Kg	03/27/2002 11:07	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	03/27/2002 11:07	
Hexachloroethane	ND	0.067	mg/Kg	03/27/2002 11:07	
Nitrobenzene	ND	0.067	mg/Kg	03/27/2002 11:07	
Isophorone	ND	0.067	mg/Kg	03/27/2002 11:07	
2-Nitrophenol	ND	0.067	mg/Kg	03/27/2002 11:07	
2,4-Dimethylphenol	ND	0.067	mg/Kg	03/27/2002 11:07	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	03/27/2002 11:07	
2,4-Dichlorophenol	ND	0.067	mg/Kg	03/27/2002 11:07	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	03/27/2002 11:07	
Naphthalene	ND	0.067	mg/Kg	03/27/2002 11:07	
4-Chloroaniline	ND	0.067	mg/Kg	03/27/2002 11:07	
Hexachlorobutadiene	ND	0.067	mg/Kg	03/27/2002 11:07	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	03/27/2002 11:07	
2-Methylnaphthalene	ND	0.067	mg/Kg	03/27/2002 11:07	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	03/27/2002 11:07	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	03/27/2002 11:07	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	03/27/2002 11:07	
2-Chloronaphthalene	ND	0.067	mg/Kg	03/27/2002 11:07	
2-Nitroaniline	ND	0.33	mg/Kg	03/27/2002 11:07	
Dimethyl phthalate	ND	0.17	mg/Kg	03/27/2002 11:07	
Acenaphthylene	ND	0.067	mg/Kg	03/27/2002 11:07	
3-Nitroaniline	ND	0.067	mg/Kg	03/27/2002 11:07	
Acenaphthene	ND	0.067	mg/Kg	03/27/2002 11:07	
2,4-Dinitrophenol	ND	0.33	mg/Kg	03/27/2002 11:07	
4-Nitrophenol	ND	0.33	mg/Kg	03/27/2002 11:07	
Dibenzofuran	ND	0.067	mg/Kg	03/27/2002 11:07	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	03/27/2002 11:07	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	03/27/2002 11:07	
Diethyl phthalate	ND	0.17	mg/Kg	03/27/2002 11:07	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	03/27/2002 11:07	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3550B/8270
CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/03/26-01.11

MB: 2002/03/26-01.11-003

Date Extracted: 03/26/2002 16:34

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Fluorene	ND	0.067	mg/Kg	03/27/2002 11:07	
4-Nitroaniline	ND	0.33	mg/Kg	03/27/2002 11:07	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	03/27/2002 11:07	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	03/27/2002 11:07	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	03/27/2002 11:07	
Hexachlorobenzene	ND	0.067	mg/Kg	03/27/2002 11:07	
Pentachlorophenol	ND	0.33	mg/Kg	03/27/2002 11:07	
Phenanthrene	ND	0.067	mg/Kg	03/27/2002 11:07	
Anthracene	ND	0.067	mg/Kg	03/27/2002 11:07	
Di-n-butyl phthalate	ND	0.17	mg/Kg	03/27/2002 11:07	
Fluoranthene	ND	0.067	mg/Kg	03/27/2002 11:07	
Pyrene	ND	0.067	mg/Kg	03/27/2002 11:07	
Butyl benzyl phthalate	ND	0.17	mg/Kg	03/27/2002 11:07	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	03/27/2002 11:07	
Benzo(a)anthracene	ND	0.067	mg/Kg	03/27/2002 11:07	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	03/27/2002 11:07	
Chrysene	ND	0.067	mg/Kg	03/27/2002 11:07	
Di-n-octyl phthalate	ND	0.17	mg/Kg	03/27/2002 11:07	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	03/27/2002 11:07	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	03/27/2002 11:07	
Benzo(a)pyrene	ND	0.067	mg/Kg	03/27/2002 11:07	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	03/27/2002 11:07	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	03/27/2002 11:07	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	03/27/2002 11:07	
Benzoic acid	ND	0.33	mg/Kg	03/27/2002 11:07	
Surrogate(s)					
Nitrobenzene-d5	91.0	23-120	%	03/27/2002 11:07	
2-Fluorobiphenyl	89.0	30-115	%	03/27/2002 11:07	
p-Terphenyl-d14	91.2	18-137	%	03/27/2002 11:07	
2-Fluorophenol	88.7	25-121	%	03/27/2002 11:07	
Phenol-d6	99.2	24-113	%	03/27/2002 11:07	
2,4,6-Tribromophenol	78.3	19-122	%	03/27/2002 11:07	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3510C/8270C

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CA DHS ELAP#2496

Method Blank	Water	QC Batch # 2002/03/27-01.11
MB: 2002/03/27-01.11-001		Date Extracted: 03/27/2002 08:41

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	03/28/2002 11:28	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	03/28/2002 11:28	
2-Chlorophenol	ND	2.0	ug/L	03/28/2002 11:28	
1,3-Dichlorobenzene	ND	2.0	ug/L	03/28/2002 11:28	
1,4-Dichlorobenzene	ND	2.0	ug/L	03/28/2002 11:28	
Benzyl alcohol	ND	5.0	ug/L	03/28/2002 11:28	
1,2-Dichlorobenzene	ND	2.0	ug/L	03/28/2002 11:28	
2-Methylphenol	ND	2.0	ug/L	03/28/2002 11:28	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	03/28/2002 11:28	
4-Methylphenol	ND	2.0	ug/L	03/28/2002 11:28	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	03/28/2002 11:28	
Hexachloroethane	ND	2.0	ug/L	03/28/2002 11:28	
Nitrobenzene	ND	2.0	ug/L	03/28/2002 11:28	
Isophorone	ND	2.0	ug/L	03/28/2002 11:28	
2-Nitrophenol	ND	2.0	ug/L	03/28/2002 11:28	
2,4-Dimethylphenol	ND	2.0	ug/L	03/28/2002 11:28	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	03/28/2002 11:28	
2,4-Dichlorophenol	ND	2.0	ug/L	03/28/2002 11:28	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	03/28/2002 11:28	
Naphthalene	ND	2.0	ug/L	03/28/2002 11:28	
4-Chloroaniline	ND	2.0	ug/L	03/28/2002 11:28	
Hexachlorobutadiene	ND	2.0	ug/L	03/28/2002 11:28	
4-Chloro-3-methylphenol	ND	5.0	ug/L	03/28/2002 11:28	
2-Methylnaphthalene	ND	2.0	ug/L	03/28/2002 11:28	
Hexachlorocyclopentadiene	ND	5.0	ug/L	03/28/2002 11:28	
2,4,6-Trichlorophenol	ND	2.0	ug/L	03/28/2002 11:28	
2,4,5-Trichlorophenol	ND	2.0	ug/L	03/28/2002 11:28	
2-Chloronaphthalene	ND	2.0	ug/L	03/28/2002 11:28	
2-Nitroaniline	ND	10	ug/L	03/28/2002 11:28	
Dimethyl phthalate	ND	5.0	ug/L	03/28/2002 11:28	
Acenaphthylene	ND	2.0	ug/L	03/28/2002 11:28	
3-Nitroaniline	ND	2.0	ug/L	03/28/2002 11:28	
Acenaphthene	ND	2.0	ug/L	03/28/2002 11:28	
2,4-Dinitrophenol	ND	10	ug/L	03/28/2002 11:28	
4-Nitrophenol	ND	10	ug/L	03/28/2002 11:28	
Dibenzofuran	ND	2.0	ug/L	03/28/2002 11:28	
2,4-Dinitrotoluene	ND	2.0	ug/L	03/28/2002 11:28	
2,6-Dinitrotoluene	ND	5.0	ug/L	03/28/2002 11:28	
Diethyl phthalate	ND	5.0	ug/L	03/28/2002 11:28	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	03/28/2002 11:28	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3510C/8270C

STL San Francisco
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Method Blank

Water

QC Batch # 2002/03/27-01.11

MB: 2002/03/27-01.11-001

Date Extracted: 03/27/2002 08:41

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Fluorene	ND	2.0	ug/L	03/28/2002 11:28	
4-Nitroaniline	ND	10	ug/L	03/28/2002 11:28	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	03/28/2002 11:28	
N-Nitrosodiphenylamine	ND	2.0	ug/L	03/28/2002 11:28	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	03/28/2002 11:28	
Hexachlorobenzene	ND	2.0	ug/L	03/28/2002 11:28	
Pentachlorophenol	ND	10	ug/L	03/28/2002 11:28	
Phenanthrene	ND	2.0	ug/L	03/28/2002 11:28	
Anthracene	ND	2.0	ug/L	03/28/2002 11:28	
Di-n-butyl phthalate	ND	5.0	ug/L	03/28/2002 11:28	
Fluoranthene	ND	2.0	ug/L	03/28/2002 11:28	
Pyrene	ND	2.0	ug/L	03/28/2002 11:28	
Butyl benzyl phthalate	ND	5.0	ug/L	03/28/2002 11:28	
3,3-Dichlorobenzidine	ND	5.0	ug/L	03/28/2002 11:28	
Benzo(a)anthracene	ND	2.0	ug/L	03/28/2002 11:28	
bis(2-Ethylhexyl) phthalate	ND	10.0	ug/L	03/28/2002 11:28	
Chrysene	ND	2.0	ug/L	03/28/2002 11:28	
Di-n-octyl phthalate	ND	5.0	ug/L	03/28/2002 11:28	
Benzo(b)fluoranthene	ND	2.0	ug/L	03/28/2002 11:28	
Benzo(k)fluoranthene	ND	2.0	ug/L	03/28/2002 11:28	
Benzo(a)pyrene	ND	2.0	ug/L	03/28/2002 11:28	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	03/28/2002 11:28	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	03/28/2002 11:28	
Benzo(g,h,i)perylene	ND	2.0	ug/L	03/28/2002 11:28	
Benzoic acid	ND	10	ug/L	03/28/2002 11:28	
Surrogate(s)					
Nitrobenzene-d5	77.3	35-114	%	03/28/2002 11:28	
2-Fluorobiphenyl	73.0	43-116	%	03/28/2002 11:28	
p-Terphenyl-d14	95.0	33-141	%	03/28/2002 11:28	
2-Fluorophenol	50.8	25-100	%	03/28/2002 11:28	
Phenol-d6	35.4	10-110	%	03/28/2002 11:28	
2,4,6-Tribromophenol	101.8	10-123	%	03/28/2002 11:28	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/26-01.11
 LCS: 2002/03/26-01.11-004 Extracted: 03/26/2002 16:34 Analyzed: 03/27/2002 11:43
 LCSD: 2002/03/26-01.11-005 Extracted: 03/26/2002 16:34 Analyzed: 03/27/2002 12:18

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Phenol	1.32	1.47	2.00	2.00	66.0	73.5	10.8	20-90	35		
2-Chlorophenol	1.42	1.56	2.00	2.00	71.0	78.0	9.4	27-123	35		
1,4-Dichlorobenzene	0.711	0.791	0.999	0.999	71.2	79.2	10.6	28-104	30		
N-Nitroso-di-n-propyla	0.894	0.986	0.999	0.999	89.5	98.7	9.8	25-114	39		
1,2,4-Trichlorobenzene	0.646	0.741	0.999	0.999	64.7	74.2	13.7	38-107	35		
4-Chloro-3-methylphen	1.44	1.65	2.00	2.00	72.0	82.5	13.6	26-103	33		
Acenaphthene	0.704	0.840	0.999	0.999	70.5	84.1	17.6	49-102	30		
4-Nitrophenol	1.71	2.14	2.00	2.00	85.5	107.0	22.3	17-109	35		
2,4-Dinitrotoluene	0.779	0.922	0.999	0.999	78.0	92.3	16.8	39-139	38		
Pentachlorophenol	1.20	1.52	2.00	2.00	60.0	76.0	23.5	11-114	35		
Pyrene	0.785	0.963	0.999	0.999	78.6	96.4	20.3	25-117	35		
Surrogate(s)											
Nitrobenzene-d5	21.9	25.5	25	25	87.6	102.1		23-120			
2-Fluorobiphenyl	21.5	26.2	25	25	86.0	104.7		30-115			
p-Terphenyl-d14	24.0	29.2	25	25	96.0	116.6		18-137			
2-Fluorophenol	41.6	46.4	50	50	83.2	92.8		25-121			
Phenol-d6	46.5	52.3	50	50	93.0	104.6		24-113			
2,4,6-Tribromophenol	49.9	59.2	50	50	99.8	118.4		19-122			

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3510C/8270C

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1220 Quarry Lane
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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/27-01.11
 LCS: 2002/03/27-01.11-002 Extracted: 03/27/2002 08:41 Analyzed: 03/27/2002 16:54
 LCSD: 2002/03/27-01.11-003 Extracted: 03/27/2002 08:41 Analyzed: 03/27/2002 16:26

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Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Phenol	16.6	13.6	60.0	60.0	27.7	22.7	19.8	12-89	35		
2-Chlorophenol	42.3	33.8	60.0	60.0	70.5	56.3	22.4	23-134	25		
1,4-Dichlorobenzene	16.7	13.4	30.0	30.0	55.7	44.7	21.9	36-97	30		
N-Nitroso-di-n-propyla	24.4	20.2	30.0	30.0	81.3	67.3	18.8	10-130	34		
1,2,4-Trichlorobenzene	16.4	13.5	30.0	30.0	54.7	45.0	19.5	44-142	35		
4-Chloro-3-methylphen	43.5	35.3	60.0	60.0	72.5	58.8	20.9	22-147	31		
Acenaphthene	20.7	18.0	30.0	30.0	69.0	60.0	14.0	56-118	30		
4-Nitrophenol	21.9	20.1	60.0	60.0	36.5	33.5	8.6	1-132	35		
2,4-Dinitrotoluene	24.1	20.4	30.0	30.0	80.3	68.0	16.6	39-139	35		
Pentachlorophenol	41.8	35.0	60.0	60.0	69.7	58.3	17.8	45-125	35		
Pyrene	21.8	19.7	30.0	30.0	72.7	65.7	10.1	52-115	35		
Surrogate(s)											
Nitrobenzene-d5	21.1	15.8	25	25	84.2	63.1		35-114			
2-Fluorobiphenyl	21.5	18.7	25	25	86.2	74.6		43-116			
p-Terphenyl-d14	16.1	13.9	25	25	84.2	55.6		33-141			
2-Fluorophenol	28.3	22.0	50	50	56.5	43.9		25-100			
Phenol-d6	20.8	16.3	50	50	41.6	32.5		10-110			
2,4,6-Tribromophenol	59.0	48.8	50	50	118.0	97.7		10-123			

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC Report

Test Method: 8270C

Prep Method: 3550B/8270C

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Matrix Spike (MS / MSD)	Soil	QC Batch # 2002/03/26-01.11
Sample ID: MFC-19-1.0-4.5 >> MS		Lab ID: 2002-03-0496-034
MS: 2002/03/26-01.11-009	Extracted: 03/26/2002 16:34	Analyzed: 03/27/2002 14:54
		Dilution: 5
MSD: 2002/03/26-01.11-010	Extracted: 03/26/2002 16:34	Analyzed: 03/27/2002 15:30
		Dilution: 5

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Compound	Conc. [mg/Kg]			Exp. Conc.		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Phenol	0.932	1.05	ND	1.99	1.99	46.8	52.8	12.0	20-90	35		
2-Chlorophenol	0.750	0.822	ND	1.99	1.99	37.7	41.3	9.1	27-123	35		
1,4-Dichlorobenze	0.306	0.322	ND	0.994	0.994	30.8	32.4	5.1	28-104	30		
N-Nitroso-di-n-pro	0.485	0.525	ND	0.994	0.994	48.8	52.8	7.9	25-114	39		
1,2,4-Trichloroben	0.326	0.349	ND	0.994	0.994	32.8	35.1	6.8	38-107	35	mssr	mssr
4-Chloro-3-methyl	1.91	1.83	ND	1.99	1.99	96.0	92.0	4.3	26-103	33		
Acenaphthene	0.793	0.852	ND	0.994	0.994	79.8	85.7	7.1	49-102	30		
4-Nitrophenol	1.18	1.38	ND	1.99	1.99	59.3	69.3	15.6	17-109	35		
2,4-Dinitrotoluene	0.909	0.956	ND	0.994	0.994	91.4	96.2	5.1	39-139	38		
Pentachloropheno	1.08	1.17	ND	1.99	1.99	54.3	58.8	8.0	11-114	35		
Pyrene	1.42	1.35	ND	0.994	0.994	142.	135.8	5.1	25-117	35	mso	mso
Surrogate(s)												
Nitrobenzene-d5	8.27	8.76		25	25	33.1	35.0		23-120			
2-Fluorobiphenyl	14.4	15.8		25	25	57.7	63.2		30-115			
p-Terphenyl-d14	41.8	41.8		25	25	167.	167.2		18-137		sh	sh
2-Fluorophenol	16.7	17.2		50	50	33.4	34.4		25-121			
Phenol-d6	27.9	30.5		50	50	55.8	61.0		24-113			
2,4,6-Tribromophe	55.4	55.9		50	50	110.	111.8		19-122			

Semi-volatile analysis by GC/MS - EPA8270C

Legend & Notes

Test Method: 8270C

Prep Method: 3550B/8270C
3510C/8270C

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CA DHS ELAP#2496

QC Compound Flags

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.
Precision and Accuracy were verified by LCS/LCSD.

QC Compound Flags

msr

Analyte MS/MSD recoveries were lower than QC limit. Analyte MS/MSD were
reanalyzed to confirm matrix interference.

Analysis Flags

lrm

Reporting limits raised due to high level of non-target analyte materials.

Analysis Flags

rl

Reporting limits raised due to reduced sample size.

Analysis Flags

sdo

Surrogate(s) diluted out

Analyte Flags

sh

Surrogate recovery was higher than QC limit due to matrix interference.

Analyte Flags

sl

Surrogate recoveries were lower than QC limit due to matrix interference,
confirmed by reanalysis.

Iris Environmental

✉ 1615 Broadway, Suite 1003
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01-201-A

Project: 2225/2277 Seventh St.

SitePort of Oakland

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-19-1.0-1.5	Soil	03/25/2002 09:20	1
MFC-19-2.0-2.5	Soil	03/25/2002 09:23	2
MFC-19-4.0-4.5	Soil	03/25/2002 09:30	3
MFC-31-4.5-5.0	Soil	03/25/2002 09:30	4
MFC-31-1.5-2.0	Soil	03/25/2002 09:30	5
MFC-31-3.0-3.5	Soil	03/25/2002 09:30	6
MFC-18-3.0-3.5	Soil	03/25/2002 10:45	7
MFC-18-1.5-2.0	Soil	03/25/2002 10:40	8
MFC-18-4.5-5.0	Soil	03/25/2002 11:12	9
MFC-33-3.0-3.5	Soil	03/25/2002 11:15	12
MFC-33-5.0-5.5	Soil	03/25/2002	13
MFC-33-1.5-2.0	Soil	03/25/2002	14
MFC-14-3.0-3.5	Soil	03/25/2002 13:36	15
MFC-14-1.5-2.0	Soil	03/25/2002 13:26	16
MFC-14-4.0-4.5	Soil	03/25/2002 13:45	17
EB-032502	Water	03/25/2002 16:30	20
MFC-37-1.5-2.0	Soil	03/25/2002 14:20	23
MFC-37-4.5-5.0	Soil	03/25/2002 14:20	24
MFC-35-1.0-1.5	Soil	03/25/2002 14:20	25
MFC-35-5.0-5.5	Soil	03/25/2002 13:45	26
MFC-35-2.0-2.5	Soil	03/25/2002 13:50	27
MFC-15-3.0-3.5	Soil	03/25/2002 14:17	28
MFC-15-1.5-2.0	Soil	03/25/2002 14:15	29
MFC-15-4.5-5.0	Soil	03/25/2002 14:29	30
MFC-15-4.5-5.0-DUP	Soil	03/25/2002 14:30	31
MFC-16-1.5-2.0	Soil	03/25/2002	32
MFC-16-4.0-4.5	Soil	03/25/2002	33

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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Pleasanton, CA 94566

Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-19-1.0-1.5	Lab Sample ID: 2002-03-0496-001
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 05:43
Sampled: 03/25/2002 09:20	QC-Batch: 2002/03/27-01.16 2002/03/27-01.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/27/2002 10:32	
Arsenic	6.4	1.0	mg/Kg	1.00	03/27/2002 10:32	
Barium	52	1.0	mg/Kg	1.00	03/27/2002 10:32	
Beryllium	ND	0.50	mg/Kg	1.00	03/27/2002 10:32	
Cadmium	4.0	0.50	mg/Kg	1.00	03/27/2002 10:32	
Chromium	8.3	1.0	mg/Kg	1.00	03/27/2002 10:32	
Cobalt	9.6	1.0	mg/Kg	1.00	03/27/2002 10:32	
Copper	42	1.0	mg/Kg	1.00	03/27/2002 10:32	
Lead	3.3	1.0	mg/Kg	1.00	03/27/2002 10:32	
Molybdenum	ND	1.0	mg/Kg	1.00	03/27/2002 10:32	
Nickel	8.8	1.0	mg/Kg	1.00	03/27/2002 10:32	
Selenium	ND	2.0	mg/Kg	1.00	03/27/2002 10:32	
Silver	ND	1.0	mg/Kg	1.00	03/27/2002 10:32	
Thallium	ND	1.0	mg/Kg	1.00	03/27/2002 10:32	
Vanadium	63	1.0	mg/Kg	1.00	03/27/2002 10:32	
Zinc	44	1.0	mg/Kg	1.00	03/27/2002 10:32	
Mercury	0.22	0.050	mg/Kg	1.00	03/27/2002 09:58	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-19-2.0-2.5	Lab Sample ID: 2002-03-0496-002
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 05:43
Sampled: 03/25/2002 09:23	QC-Batch: 2002/03/27-01.16 2002/03/27-01.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/27/2002 10:35	
Arsenic	15	1.0	mg/Kg	1.00	03/27/2002 10:35	
Barium	23	1.0	mg/Kg	1.00	03/27/2002 10:35	
Beryllium	ND	0.50	mg/Kg	1.00	03/27/2002 10:35	
Cadmium	0.61	0.50	mg/Kg	1.00	03/27/2002 10:35	
Chromium	14	1.0	mg/Kg	1.00	03/27/2002 10:35	
Cobalt	2.7	1.0	mg/Kg	1.00	03/27/2002 10:35	
Copper	4.3	1.0	mg/Kg	1.00	03/27/2002 10:35	
Lead	3.2	1.0	mg/Kg	1.00	03/27/2002 10:35	
Molybdenum	ND	1.0	mg/Kg	1.00	03/27/2002 10:35	
Nickel	16	1.0	mg/Kg	1.00	03/27/2002 10:35	
Selenium	ND	2.0	mg/Kg	1.00	03/27/2002 10:35	
Silver	ND	1.0	mg/Kg	1.00	03/27/2002 10:35	
Thallium	ND	1.0	mg/Kg	1.00	03/27/2002 10:35	
Vanadium	9.5	1.0	mg/Kg	1.00	03/27/2002 10:35	
Zinc	12	1.0	mg/Kg	1.00	03/27/2002 10:35	
Mercury	ND	0.050	mg/Kg	1.00	03/27/2002 10:00	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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Pleasanton, CA 94566

Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-19-4.0-4.5	Lab Sample ID: 2002-03-0496-003
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 05:43
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/27-01.15 2002/03/27-01.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/27/2002 10:40	
Arsenic	1.0	1.0	mg/Kg	1.00	03/27/2002 10:40	
Barium	27	1.0	mg/Kg	1.00	03/27/2002 10:40	
Beryllium	ND	0.50	mg/Kg	1.00	03/27/2002 10:40	
Cadmium	0.73	0.50	mg/Kg	1.00	03/27/2002 10:40	
Chromium	16	1.0	mg/Kg	1.00	03/27/2002 10:40	
Cobalt	2.5	1.0	mg/Kg	1.00	03/27/2002 10:40	
Copper	5.3	1.0	mg/Kg	1.00	03/27/2002 10:40	
Lead	1.2	1.0	mg/Kg	1.00	03/27/2002 10:40	
Molybdenum	ND	1.0	mg/Kg	1.00	03/27/2002 10:40	
Nickel	11	1.0	mg/Kg	1.00	03/27/2002 10:40	
Selenium	ND	2.0	mg/Kg	1.00	03/27/2002 10:40	
Silver	ND	1.0	mg/Kg	1.00	03/27/2002 10:40	
Thallium	ND	1.0	mg/Kg	1.00	03/27/2002 10:40	
Vanadium	12	1.0	mg/Kg	1.00	03/27/2002 10:40	
Zinc	11	1.0	mg/Kg	1.00	03/27/2002 10:40	
Mercury	ND	0.050	mg/Kg	1.00	03/27/2002 10:01	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-31-4.5-5.0	Lab Sample ID: 2002-03-0496-004
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 05:43
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/27-01.15 2002/03/27-01.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/27/2002 10:43	
Arsenic	3.1	1.0	mg/Kg	1.00	03/27/2002 10:43	
Barium	20	1.0	mg/Kg	1.00	03/27/2002 10:43	
Beryllium	ND	0.50	mg/Kg	1.00	03/27/2002 10:43	
Cadmium	1.2	0.50	mg/Kg	1.00	03/27/2002 10:43	
Chromium	20	1.0	mg/Kg	1.00	03/27/2002 10:43	
Cobalt	8.6	1.0	mg/Kg	1.00	03/27/2002 10:43	
Copper	30	1.0	mg/Kg	1.00	03/27/2002 10:43	
Lead	7.0	1.0	mg/Kg	1.00	03/27/2002 10:43	
Molybdenum	ND	1.0	mg/Kg	1.00	03/27/2002 10:43	
Nickel	19	1.0	mg/Kg	1.00	03/27/2002 10:43	
Selenium	ND	2.0	mg/Kg	1.00	03/27/2002 10:43	
Silver	ND	1.0	mg/Kg	1.00	03/27/2002 10:43	
Thallium	ND	1.0	mg/Kg	1.00	03/27/2002 10:43	
Vanadium	16	1.0	mg/Kg	1.00	03/27/2002 10:43	
Zinc	16	1.0	mg/Kg	1.00	03/27/2002 10:43	
Mercury	ND	0.050	mg/Kg	1.00	03/27/2002 10:02	

Submission #: 2002-03-0496



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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CA DHS ELAP#1094

Sample ID: MFC-31-1.5-2.0	Lab Sample ID: 2002-03-0496-005
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 05:43
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/27-01.15 2002/03/27-01.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/27/2002 10:47	
Arsenic	2.1	1.0	mg/Kg	1.00	03/27/2002 10:47	
Barium	29	1.0	mg/Kg	1.00	03/27/2002 10:47	
Beryllium	ND	0.50	mg/Kg	1.00	03/27/2002 10:47	
Cadmium	0.68	0.50	mg/Kg	1.00	03/27/2002 10:47	
Chromium	19	1.0	mg/Kg	1.00	03/27/2002 10:47	
Cobalt	3.3	1.0	mg/Kg	1.00	03/27/2002 10:47	
Copper	3.7	1.0	mg/Kg	1.00	03/27/2002 10:47	
Lead	1.8	1.0	mg/Kg	1.00	03/27/2002 10:47	
Molybdenum	ND	1.0	mg/Kg	1.00	03/27/2002 10:47	
Nickel	13	1.0	mg/Kg	1.00	03/27/2002 10:47	
Selenium	ND	2.0	mg/Kg	1.00	03/27/2002 10:47	
Silver	ND	1.0	mg/Kg	1.00	03/27/2002 10:47	
Thallium	ND	1.0	mg/Kg	1.00	03/27/2002 10:47	
Vanadium	9.5	1.0	mg/Kg	1.00	03/27/2002 10:47	
Zinc	9.9	1.0	mg/Kg	1.00	03/27/2002 10:47	
Mercury	0.097	0.050	mg/Kg	1.00	03/27/2002 10:03	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-31-3.0-3.5	Lab Sample ID: 2002-03-0496-006
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 09:49	
Arsenic	4.7	1.0	mg/Kg	1.00	03/28/2002 09:49	
Barium	43	1.0	mg/Kg	1.00	03/28/2002 09:49	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 09:49	
Cadmium	1.2	0.50	mg/Kg	1.00	03/28/2002 09:49	
Chromium	19	1.0	mg/Kg	1.00	03/28/2002 09:49	
Cobalt	4.5	1.0	mg/Kg	1.00	03/28/2002 09:49	
Copper	21	1.0	mg/Kg	1.00	03/28/2002 09:49	
Lead	43	1.0	mg/Kg	1.00	03/28/2002 09:49	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 09:49	
Nickel	23	1.0	mg/Kg	1.00	03/28/2002 09:49	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 09:49	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 09:49	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 09:49	
Vanadium	15	1.0	mg/Kg	1.00	03/28/2002 09:49	
Zinc	44	1.0	mg/Kg	1.00	03/28/2002 09:49	
Mercury	0.053	0.050	mg/Kg	1.00	03/28/2002 10:10	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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CA DHS ELAP#1094

Sample ID: MFC-18-3.0-3.5	Lab Sample ID: 2002-03-0496-007
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 10:45	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:00	
Arsenic	9.2	1.0	mg/Kg	1.00	03/28/2002 10:00	
Barium	48	1.0	mg/Kg	1.00	03/28/2002 10:00	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:00	
Cadmium	1.4	0.50	mg/Kg	1.00	03/28/2002 10:00	
Chromium	15	1.0	mg/Kg	1.00	03/28/2002 10:00	
Cobalt	4.2	1.0	mg/Kg	1.00	03/28/2002 10:00	
Copper	41	1.0	mg/Kg	1.00	03/28/2002 10:00	
Lead	150	1.0	mg/Kg	1.00	03/28/2002 10:00	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:00	
Nickel	26	1.0	mg/Kg	1.00	03/28/2002 10:00	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:00	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:00	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:00	
Vanadium	17	1.0	mg/Kg	1.00	03/28/2002 10:00	
Zinc	60	1.0	mg/Kg	1.00	03/28/2002 10:00	
Mercury	0.23	0.050	mg/Kg	1.00	03/28/2002 10:14	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

Attn: Chris Alger

Prep Method: 3010A
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CA DHS ELAP#1094

Sample ID: MFC-18-1.5-2.0	Lab Sample ID: 2002-03-0496-008
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 10:40	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:04	
Arsenic	3.8	1.0	mg/Kg	1.00	03/28/2002 10:04	
Barium	36	1.0	mg/Kg	1.00	03/28/2002 10:04	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:04	
Cadmium	2.0	0.50	mg/Kg	1.00	03/28/2002 10:04	
Chromium	9.8	1.0	mg/Kg	1.00	03/28/2002 10:04	
Cobalt	6.7	1.0	mg/Kg	1.00	03/28/2002 10:04	
Copper	23	1.0	mg/Kg	1.00	03/28/2002 10:04	
Lead	4.7	1.0	mg/Kg	1.00	03/28/2002 10:04	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:04	
Nickel	9.5	1.0	mg/Kg	1.00	03/28/2002 10:04	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:04	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:04	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:04	
Vanadium	31	1.0	mg/Kg	1.00	03/28/2002 10:04	
Zinc	23	1.0	mg/Kg	1.00	03/28/2002 10:04	
Mercury	0.13	0.050	mg/Kg	1.00	03/28/2002 10:18	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
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CA DHS ELAP#1094

Sample ID: MFC-18-4.5-5.0	Lab Sample ID: 2002-03-0496-009
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 11:12	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:08	
Arsenic	7.1	1.0	mg/Kg	1.00	03/28/2002 10:08	
Barium	30	1.0	mg/Kg	1.00	03/28/2002 10:08	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:08	
Cadmium	0.72	0.50	mg/Kg	1.00	03/28/2002 10:08	
Chromium	17	1.0	mg/Kg	1.00	03/28/2002 10:08	
Cobalt	2.9	1.0	mg/Kg	1.00	03/28/2002 10:08	
Copper	3.8	1.0	mg/Kg	1.00	03/28/2002 10:08	
Lead	1.6	1.0	mg/Kg	1.00	03/28/2002 10:08	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:08	
Nickel	14	1.0	mg/Kg	1.00	03/28/2002 10:08	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:08	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:08	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:08	
Vanadium	9.9	1.0	mg/Kg	1.00	03/28/2002 10:08	
Zinc	10	1.0	mg/Kg	1.00	03/28/2002 10:08	
Mercury	ND	0.050	mg/Kg	1.00	03/28/2002 10:19	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-33-3.0-3.5	Lab Sample ID: 2002-03-0496-012
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 11:15	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:12	
Arsenic	2.5	1.0	mg/Kg	1.00	03/28/2002 10:12	
Barium	41	1.0	mg/Kg	1.00	03/28/2002 10:12	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:12	
Cadmium	1.3	0.50	mg/Kg	1.00	03/28/2002 10:12	
Chromium	19	1.0	mg/Kg	1.00	03/28/2002 10:12	
Cobalt	4.9	1.0	mg/Kg	1.00	03/28/2002 10:12	
Copper	11	1.0	mg/Kg	1.00	03/28/2002 10:12	
Lead	13	1.0	mg/Kg	1.00	03/28/2002 10:12	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:12	
Nickel	21	1.0	mg/Kg	1.00	03/28/2002 10:12	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:12	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:12	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:12	
Vanadium	17	1.0	mg/Kg	1.00	03/28/2002 10:12	
Zinc	31	1.0	mg/Kg	1.00	03/28/2002 10:12	
Mercury	0.062	0.050	mg/Kg	1.00	03/28/2002 10:20	

Submission #: 2002-03-0496



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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CA DHS ELAP#1094

Sample ID: MFC-33-5.0-5.5	Lab Sample ID: 2002-03-0496-013
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:16	
Arsenic	1.3	1.0	mg/Kg	1.00	03/28/2002 10:16	
Barium	66	1.0	mg/Kg	1.00	03/28/2002 10:16	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:16	
Cadmium	0.57	0.50	mg/Kg	1.00	03/28/2002 10:16	
Chromium	16	1.0	mg/Kg	1.00	03/28/2002 10:16	
Cobalt	2.5	1.0	mg/Kg	1.00	03/28/2002 10:16	
Copper	2.8	1.0	mg/Kg	1.00	03/28/2002 10:16	
Lead	1.3	1.0	mg/Kg	1.00	03/28/2002 10:16	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:16	
Nickel	12	1.0	mg/Kg	1.00	03/28/2002 10:16	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:16	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:16	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:16	
Vanadium	8.6	1.0	mg/Kg	1.00	03/28/2002 10:16	
Zinc	8.2	1.0	mg/Kg	1.00	03/28/2002 10:16	
Mercury	ND	0.050	mg/Kg	1.00	03/28/2002 10:21	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-33-1.5-2.0	Lab Sample ID: 2002-03-0496-014
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:19	
Arsenic	7.2	1.0	mg/Kg	1.00	03/28/2002 10:19	
Barium	110	1.0	mg/Kg	1.00	03/28/2002 10:19	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:19	
Cadmium	4.1	0.50	mg/Kg	1.00	03/28/2002 10:19	
Chromium	11	1.0	mg/Kg	1.00	03/28/2002 10:19	
Cobalt	11	1.0	mg/Kg	1.00	03/28/2002 10:19	
Copper	42	1.0	mg/Kg	1.00	03/28/2002 10:19	
Lead	4.2	1.0	mg/Kg	1.00	03/28/2002 10:19	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:19	
Nickel	12	1.0	mg/Kg	1.00	03/28/2002 10:19	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:19	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:19	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:19	
Vanadium	70	1.0	mg/Kg	1.00	03/28/2002 10:19	
Zinc	45	1.0	mg/Kg	1.00	03/28/2002 10:19	
Mercury	0.38	0.050	mg/Kg	1.00	03/28/2002 10:23	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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CA DHS ELAP#1094

Sample ID: MFC-14-3.0-3.5	Lab Sample ID: 2002-03-0496-015
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 13:36	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:23	
Arsenic	25	1.0	mg/Kg	1.00	03/28/2002 10:23	
Barium	21	1.0	mg/Kg	1.00	03/28/2002 10:23	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:23	
Cadmium	0.63	0.50	mg/Kg	1.00	03/28/2002 10:23	
Chromium	16	1.0	mg/Kg	1.00	03/28/2002 10:23	
Cobalt	2.7	1.0	mg/Kg	1.00	03/28/2002 10:23	
Copper	3.3	1.0	mg/Kg	1.00	03/28/2002 10:23	
Lead	1.2	1.0	mg/Kg	1.00	03/28/2002 10:23	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:23	
Nickel	18	1.0	mg/Kg	1.00	03/28/2002 10:23	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:23	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:23	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:23	
Vanadium	9.6	1.0	mg/Kg	1.00	03/28/2002 10:23	
Zinc	11	1.0	mg/Kg	1.00	03/28/2002 10:23	
Mercury	ND	0.050	mg/Kg	1.00	03/28/2002 10:24	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

Attn: Chris Alger

Prep Method: 3010A
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CA DHS ELAP#1094

Sample ID: MFC-14-1.5-2.0	Lab Sample ID: 2002-03-0496-016
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 13:26	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:46	
Arsenic	2.8	1.0	mg/Kg	1.00	03/28/2002 10:46	
Barium	84	1.0	mg/Kg	1.00	03/28/2002 10:46	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:46	
Cadmium	0.96	0.50	mg/Kg	1.00	03/28/2002 10:46	
Chromium	9.0	1.0	mg/Kg	1.00	03/28/2002 10:46	
Cobalt	2.7	1.0	mg/Kg	1.00	03/28/2002 10:46	
Copper	14	1.0	mg/Kg	1.00	03/28/2002 10:46	
Lead	9.3	1.0	mg/Kg	1.00	03/28/2002 10:46	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:46	
Nickel	10	1.0	mg/Kg	1.00	03/28/2002 10:46	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:46	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:46	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:46	
Vanadium	9.1	1.0	mg/Kg	1.00	03/28/2002 10:46	
Zinc	21	1.0	mg/Kg	1.00	03/28/2002 10:46	
Mercury	0.18	0.050	mg/Kg	1.00	03/28/2002 10:25	



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-14-4.0-4.5	Lab Sample ID: 2002-03-0496-017
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 13:45	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:50	
Arsenic	4.7	1.0	mg/Kg	1.00	03/28/2002 10:50	
Barium	11	1.0	mg/Kg	1.00	03/28/2002 10:50	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:50	
Cadmium	0.55	0.50	mg/Kg	1.00	03/28/2002 10:50	
Chromium	13	1.0	mg/Kg	1.00	03/28/2002 10:50	
Cobalt	2.4	1.0	mg/Kg	1.00	03/28/2002 10:50	
Copper	2.5	1.0	mg/Kg	1.00	03/28/2002 10:50	
Lead	1.1	1.0	mg/Kg	1.00	03/28/2002 10:50	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:50	
Nickel	14	1.0	mg/Kg	1.00	03/28/2002 10:50	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:50	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:50	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:50	
Vanadium	8.1	1.0	mg/Kg	1.00	03/28/2002 10:50	
Zinc	10	1.0	mg/Kg	1.00	03/28/2002 10:50	
Mercury	ND	0.050	mg/Kg	1.00	03/28/2002 10:26	

CAM 17 Metals

Iris Environmental

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7470A

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CA DHS ELAP#1094

Sample ID: EB-032502	Lab Sample ID: 2002-03-0496-020
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 07:05
Sampled: 03/25/2002 16:30	QC-Batch: 2002/03/29-02.15 2002/03/29-02.16
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Arsenic	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Barium	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Beryllium	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Cadmium	ND	0.0020	mg/L	1.00	03/29/2002 12:41	
Chromium	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Cobalt	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Copper	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Lead	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Molybdenum	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Nickel	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Selenium	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Silver	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Thallium	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Vanadium	ND	0.0050	mg/L	1.00	03/29/2002 12:41	
Zinc	ND	0.010	mg/L	1.00	03/29/2002 12:41	
Mercury	ND	0.00020	mg/L	1.00	03/29/2002 10:19	



CAM 17 Metals

Iris Environmental

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CA DHS ELAP#1094

Sample ID: MFC-37-1.5-2.0	Lab Sample ID: 2002-03-0496-023
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:54	
Arsenic	8.3	1.0	mg/Kg	1.00	03/28/2002 10:54	
Barium	69	1.0	mg/Kg	1.00	03/28/2002 10:54	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:54	
Cadmium	4.2	0.50	mg/Kg	1.00	03/28/2002 10:54	
Chromium	9.3	1.0	mg/Kg	1.00	03/28/2002 10:54	
Cobalt	11	1.0	mg/Kg	1.00	03/28/2002 10:54	
Copper	46	1.0	mg/Kg	1.00	03/28/2002 10:54	
Lead	3.5	1.0	mg/Kg	1.00	03/28/2002 10:54	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:54	
Nickel	9.8	1.0	mg/Kg	1.00	03/28/2002 10:54	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:54	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:54	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:54	
Vanadium	72	1.0	mg/Kg	1.00	03/28/2002 10:54	
Zinc	45	1.0	mg/Kg	1.00	03/28/2002 10:54	
Mercury	0.42	0.050	mg/Kg	1.00	03/28/2002 10:28	

CAM 17 Metals

Iris Environmental

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CA DHS ELAP#1094

Sample ID: MFC-37-4.5-5.0	Lab Sample ID: 2002-03-0496-024
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 10:58	
Arsenic	2.5	1.0	mg/Kg	1.00	03/28/2002 10:58	
Barium	32	1.0	mg/Kg	1.00	03/28/2002 10:58	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 10:58	
Cadmium	1.2	0.50	mg/Kg	1.00	03/28/2002 10:58	
Chromium	21	1.0	mg/Kg	1.00	03/28/2002 10:58	
Cobalt	4.6	1.0	mg/Kg	1.00	03/28/2002 10:58	
Copper	7.6	1.0	mg/Kg	1.00	03/28/2002 10:58	
Lead	5.3	1.0	mg/Kg	1.00	03/28/2002 10:58	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 10:58	
Nickel	22	1.0	mg/Kg	1.00	03/28/2002 10:58	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 10:58	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 10:58	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 10:58	
Vanadium	15	1.0	mg/Kg	1.00	03/28/2002 10:58	
Zinc	320	1.0	mg/Kg	1.00	03/28/2002 10:58	
Mercury	0.055	0.050	mg/Kg	1.00	03/28/2002 10:29	

Submission #: 2002-03-0496



CAM 17 Metals

Iris Environmental

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CA DHS ELAP#1094

Sample ID: MFC-35-1.0-1.5	Lab Sample ID: 2002-03-0496-025
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 11:02	
Arsenic	7.3	1.0	mg/Kg	1.00	03/28/2002 11:02	
Barium	73	1.0	mg/Kg	1.00	03/28/2002 11:02	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 11:02	
Cadmium	3.8	0.50	mg/Kg	1.00	03/28/2002 11:02	
Chromium	9.0	1.0	mg/Kg	1.00	03/28/2002 11:02	
Cobalt	10	1.0	mg/Kg	1.00	03/28/2002 11:02	
Copper	40	1.0	mg/Kg	1.00	03/28/2002 11:02	
Lead	4.2	1.0	mg/Kg	1.00	03/28/2002 11:02	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 11:02	
Nickel	10	1.0	mg/Kg	1.00	03/28/2002 11:02	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 11:02	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 11:02	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 11:02	
Vanadium	65	1.0	mg/Kg	1.00	03/28/2002 11:02	
Zinc	42	1.0	mg/Kg	1.00	03/28/2002 11:02	
Mercury	0.38	0.050	mg/Kg	1.00	03/28/2002 10:32	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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CA DHS ELAP#1094

Sample ID: MFC-36-5.0-5.5	Lab Sample ID: 2002-03-0496-026
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 13:45	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 11:06	
Arsenic	10	1.0	mg/Kg	1.00	03/28/2002 11:06	
Barium	25	1.0	mg/Kg	1.00	03/28/2002 11:06	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 11:06	
Cadmium	0.64	0.50	mg/Kg	1.00	03/28/2002 11:06	
Chromium	18	1.0	mg/Kg	1.00	03/28/2002 11:06	
Cobalt	2.3	1.0	mg/Kg	1.00	03/28/2002 11:06	
Copper	3.5	1.0	mg/Kg	1.00	03/28/2002 11:06	
Lead	1.6	1.0	mg/Kg	1.00	03/28/2002 11:06	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 11:06	
Nickel	12	1.0	mg/Kg	1.00	03/28/2002 11:06	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 11:06	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 11:06	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 11:06	
Vanadium	10	1.0	mg/Kg	1.00	03/28/2002 11:06	
Zinc	8.6	1.0	mg/Kg	1.00	03/28/2002 11:06	
Mercury	ND	0.050	mg/Kg	1.00	03/28/2002 10:34	



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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CA DHS ELAP#1094

Sample ID: MFC-35-2.0-2.5	Lab Sample ID: 2002-03-0496-027
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 13:50	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 11:10	
Arsenic	3.2	1.0	mg/Kg	1.00	03/28/2002 11:10	
Barium	74	1.0	mg/Kg	1.00	03/28/2002 11:10	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 11:10	
Cadmium	2.1	0.50	mg/Kg	1.00	03/28/2002 11:10	
Chromium	5.2	1.0	mg/Kg	1.00	03/28/2002 11:10	
Cobalt	5.1	1.0	mg/Kg	1.00	03/28/2002 11:10	
Copper	26	1.0	mg/Kg	1.00	03/28/2002 11:10	
Lead	40	1.0	mg/Kg	1.00	03/28/2002 11:10	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 11:10	
Nickel	7.1	1.0	mg/Kg	1.00	03/28/2002 11:10	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 11:10	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 11:10	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 11:10	
Vanadium	19	1.0	mg/Kg	1.00	03/28/2002 11:10	
Zinc	55	1.0	mg/Kg	1.00	03/28/2002 11:10	
Mercury	0.19	0.050	mg/Kg	1.00	03/28/2002 10:35	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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CA DHS ELAP#1094

Sample ID: MFC-15-3.0-3.5	Lab Sample ID: 2002-03-0496-028
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 14:17	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 11:14	
Arsenic	8.3	1.0	mg/Kg	1.00	03/28/2002 11:14	
Barium	19	1.0	mg/Kg	1.00	03/28/2002 11:14	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 11:14	
Cadmium	0.74	0.50	mg/Kg	1.00	03/28/2002 11:14	
Chromium	15	1.0	mg/Kg	1.00	03/28/2002 11:14	
Cobalt	3.0	1.0	mg/Kg	1.00	03/28/2002 11:14	
Copper	4.8	1.0	mg/Kg	1.00	03/28/2002 11:14	
Lead	3.9	1.0	mg/Kg	1.00	03/28/2002 11:14	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 11:14	
Nickel	20	1.0	mg/Kg	1.00	03/28/2002 11:14	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 11:14	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 11:14	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 11:14	
Vanadium	10	1.0	mg/Kg	1.00	03/28/2002 11:14	
Zinc	14	1.0	mg/Kg	1.00	03/28/2002 11:14	
Mercury	ND	0.050	mg/Kg	1.00	03/28/2002 10:36	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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CA DHS ELAP#1094

Sample ID: MFC-15-1.5-2.0	Lab Sample ID: 2002-03-0496-029
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 14:15	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 11:18	
Arsenic	2.7	1.0	mg/Kg	1.00	03/28/2002 11:18	
Barium	110	1.0	mg/Kg	1.00	03/28/2002 11:18	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 11:18	
Cadmium	1.3	0.50	mg/Kg	1.00	03/28/2002 11:18	
Chromium	7.9	1.0	mg/Kg	1.00	03/28/2002 11:18	
Cobalt	4.1	1.0	mg/Kg	1.00	03/28/2002 11:18	
Copper	13	1.0	mg/Kg	1.00	03/28/2002 11:18	
Lead	6.8	1.0	mg/Kg	1.00	03/28/2002 11:18	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 11:18	
Nickel	12	1.0	mg/Kg	1.00	03/28/2002 11:18	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 11:18	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 11:18	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 11:18	
Vanadium	15	1.0	mg/Kg	1.00	03/28/2002 11:18	
Zinc	25	1.0	mg/Kg	1.00	03/28/2002 11:18	
Mercury	0.20	0.050	mg/Kg	1.00	03/28/2002 10:37	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
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CA DHS ELAP#1094

Sample ID: MFC-15-4.5-5.0	Lab Sample ID: 2002-03-0496-030
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 14:29	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 11:22	
Arsenic	6.7	1.0	mg/Kg	1.00	03/28/2002 11:22	
Barium	14	1.0	mg/Kg	1.00	03/28/2002 11:22	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 11:22	
Cadmium	0.61	0.50	mg/Kg	1.00	03/28/2002 11:22	
Chromium	15	1.0	mg/Kg	1.00	03/28/2002 11:22	
Cobalt	2.9	1.0	mg/Kg	1.00	03/28/2002 11:22	
Copper	2.9	1.0	mg/Kg	1.00	03/28/2002 11:22	
Lead	1.7	1.0	mg/Kg	1.00	03/28/2002 11:22	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 11:22	
Nickel	14	1.0	mg/Kg	1.00	03/28/2002 11:22	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 11:22	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 11:22	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 11:22	
Vanadium	8.7	1.0	mg/Kg	1.00	03/28/2002 11:22	
Zinc	10	1.0	mg/Kg	1.00	03/28/2002 11:22	
Mercury	ND	0.050	mg/Kg	1.00	03/28/2002 10:38	

Submission #: 2002-03-0496



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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Sample ID: MFC-15-4.5-5.0-DUP	Lab Sample ID: 2002-03-0496-031
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002 14:30	QC-Batch: 2002/03/27-05.16 2002/03/27-05.15
Matrix: Soil	

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 11:42	
Arsenic	8.0	1.0	mg/Kg	1.00	03/28/2002 11:42	
Barium	9.6	1.0	mg/Kg	1.00	03/28/2002 11:42	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 11:42	
Cadmium	0.65	0.50	mg/Kg	1.00	03/28/2002 11:42	
Chromium	17	1.0	mg/Kg	1.00	03/28/2002 11:42	
Cobalt	2.3	1.0	mg/Kg	1.00	03/28/2002 11:42	
Copper	2.8	1.0	mg/Kg	1.00	03/28/2002 11:42	
Lead	1.6	1.0	mg/Kg	1.00	03/28/2002 11:42	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 11:42	
Nickel	16	1.0	mg/Kg	1.00	03/28/2002 11:42	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 11:42	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 11:42	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 11:42	
Vanadium	9.9	1.0	mg/Kg	1.00	03/28/2002 11:42	
Zinc	10	1.0	mg/Kg	1.00	03/28/2002 11:42	
Mercury	ND	0.050	mg/Kg	1.00	03/28/2002 10:39	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

Attn: Chris Alger

Prep Method: 3010A
3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-16-1.5-2.0	Lab Sample ID: 2002-03-0496-032
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 10:55
Sampled: 03/25/2002	QC-Batch: 2002/03/27-05.15 2002/03/27-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 11:46	
Arsenic	5.3	1.0	mg/Kg	1.00	03/28/2002 11:46	
Barium	92	1.0	mg/Kg	1.00	03/28/2002 11:46	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 11:46	
Cadmium	1.2	0.50	mg/Kg	1.00	03/28/2002 11:46	
Chromium	10	1.0	mg/Kg	1.00	03/28/2002 11:46	
Cobalt	4.0	1.0	mg/Kg	1.00	03/28/2002 11:46	
Copper	17	1.0	mg/Kg	1.00	03/28/2002 11:46	
Lead	36	1.0	mg/Kg	1.00	03/28/2002 11:46	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 11:46	
Nickel	14	1.0	mg/Kg	1.00	03/28/2002 11:46	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 11:46	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 11:46	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 11:46	
Vanadium	11	1.0	mg/Kg	1.00	03/28/2002 11:46	
Zinc	33	1.0	mg/Kg	1.00	03/28/2002 11:46	
Mercury	0.19	0.050	mg/Kg	1.00	03/28/2002 10:41	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
7470A

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3050B
7471A
7470A

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CA DHS ELAP#1094

Sample ID: MFC-16-4.0-4.5	Lab Sample ID: 2002-03-0496-033
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 07:41
Sampled: 03/25/2002	QC-Batch: 2002/03/28-08.15 2002/03/28-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	03/28/2002 14:17	
Arsenic	6.8	1.0	mg/Kg	1.00	03/28/2002 14:17	
Barium	72	1.0	mg/Kg	1.00	03/28/2002 14:17	
Beryllium	ND	0.50	mg/Kg	1.00	03/28/2002 14:17	
Cadmium	2.0	0.50	mg/Kg	1.00	03/28/2002 14:17	
Chromium	37	1.0	mg/Kg	1.00	03/28/2002 14:17	
Cobalt	7.0	1.0	mg/Kg	1.00	03/28/2002 14:17	
Copper	22	1.0	mg/Kg	1.00	03/28/2002 14:17	
Lead	16	1.0	mg/Kg	1.00	03/28/2002 14:17	
Molybdenum	ND	1.0	mg/Kg	1.00	03/28/2002 14:17	
Nickel	40	1.0	mg/Kg	1.00	03/28/2002 14:17	
Selenium	ND	2.0	mg/Kg	1.00	03/28/2002 14:17	
Silver	ND	1.0	mg/Kg	1.00	03/28/2002 14:17	
Thallium	ND	1.0	mg/Kg	1.00	03/28/2002 14:17	
Vanadium	18	1.0	mg/Kg	1.00	03/28/2002 14:17	
Zinc	120	1.0	mg/Kg	1.00	03/28/2002 14:17	
Mercury	0.053	0.050	mg/Kg	1.00	03/28/2002 11:01	

Submission #: 2002-03-0496

**SEVERN
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SERVICES**

CAM 17 Metals
Batch QC report

Test Method: 7471A

Prep Method: 7471A

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Method Blank	Soil	QC Batch # 2002/03/27-05.16
MB: 2002/03/27-05.16-053		Date Extracted: 03/27/2002 10:56

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	03/28/2002 10:07	

CAM 17 Metals

Batch QC report

Test Method: 6010B

Prep Method: 3050B

Method Blank	Soil	QC Batch # 2002/03/27-05.15
MB: 2002/03/27-05.15-030		Date Extracted: 03/27/2002 10:55

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	03/28/2002 09:14	
Arsenic	ND	1.0	mg/Kg	03/28/2002 09:14	
Barium	ND	1.0	mg/Kg	03/28/2002 09:14	
Beryllium	ND	0.50	mg/Kg	03/28/2002 09:14	
Cadmium	ND	0.50	mg/Kg	03/28/2002 09:14	
Chromium	ND	1.0	mg/Kg	03/28/2002 09:14	
Cobalt	ND	1.0	mg/Kg	03/28/2002 09:14	
Copper	ND	1.0	mg/Kg	03/28/2002 09:14	
Lead	ND	1.0	mg/Kg	03/28/2002 09:14	
Molybdenum	ND	1.0	mg/Kg	03/28/2002 09:14	
Nickel	ND	1.0	mg/Kg	03/28/2002 09:14	
Selenium	ND	2.0	mg/Kg	03/28/2002 09:14	
Silver	ND	1.0	mg/Kg	03/28/2002 09:14	
Thallium	ND	1.0	mg/Kg	03/28/2002 09:14	
Vanadium	ND	1.0	mg/Kg	03/28/2002 09:14	
Zinc	ND	1.0	mg/Kg	03/28/2002 09:14	

CAM 17 Metals
Batch QC report

Test Method: 6010B

Prep Method: 3050B

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CA DHS ELAP#1094

Method Blank	Soil	QC Batch # 2002/03/28-08.15
MB: 2002/03/28-08.15-069		Date Extracted: 03/28/2002 07:41

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	03/28/2002 13:07	
Arsenic	ND	1.0	mg/Kg	03/28/2002 13:07	
Barium	ND	1.0	mg/Kg	03/28/2002 13:07	
Beryllium	ND	0.50	mg/Kg	03/28/2002 13:07	
Cadmium	ND	0.50	mg/Kg	03/28/2002 13:07	
Chromium	ND	1.0	mg/Kg	03/28/2002 13:07	
Cobalt	ND	1.0	mg/Kg	03/28/2002 13:07	
Copper	ND	1.0	mg/Kg	03/28/2002 13:07	
Lead	ND	1.0	mg/Kg	03/28/2002 13:07	
Molybdenum	ND	1.0	mg/Kg	03/28/2002 13:07	
Nickel	ND	1.0	mg/Kg	03/28/2002 13:07	
Selenium	ND	2.0	mg/Kg	03/28/2002 13:07	
Silver	ND	1.0	mg/Kg	03/28/2002 13:07	
Thallium	ND	1.0	mg/Kg	03/28/2002 13:07	
Vanadium	ND	1.0	mg/Kg	03/28/2002 13:07	
Zinc	ND	1.0	mg/Kg	03/28/2002 13:07	

CAM 17 Metals
Batch QC report

Test Method: 7471A

Prep Method: 7471A

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/27-01.16
 LCS: 2002/03/27-01.16-032 Extracted: 03/27/2002 05:44 Analyzed: 03/27/2002 09:38
 LCSD: 2002/03/27-01.16-035 Extracted: 03/27/2002 05:44 Analyzed: 03/27/2002 09:41

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Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Mercury	0.556	0.556	0.500	0.500	111.2	111.2	0.0	85-115	20		



CAM 17 Metals
Batch QC report

Test Method: 6010B

Prep Method: 3050B

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/27-01.15
 LCS: 2002/03/27-01.15-035 Extracted: 03/27/2002 05:43 Analyzed: 03/27/2002 09:26
 LCSD: 2002/03/27-01.15-036 Extracted: 03/27/2002 05:43 Analyzed: 03/27/2002 09:30

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery			RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD	
Antimony	99.4	98.2	100.0	100.0	99.4	98.2	1.2	80-120	20			
Arsenic	99.8	98.7	100.0	100.0	99.8	98.7	1.1	80-120	20			
Barium	98.1	97.1	100.0	100.0	98.1	97.1	1.0	80-120	20			
Beryllium	99.8	99.2	100.0	100.0	99.8	99.2	0.6	80-120	20			
Cadmium	101	99.6	100.0	100.0	101.0	99.6	1.4	80-120	20			
Chromium	99.7	98.8	100.0	100.0	99.7	98.8	0.9	80-120	20			
Cobalt	96.5	95.6	100.0	100.0	96.5	95.6	0.9	80-120	20			
Copper	96.0	95.3	100.0	100.0	96.0	95.3	0.7	80-120	20			
Lead	99.0	97.8	100.0	100.0	99.0	97.8	1.2	80-120	20			
Molybdenum	99.8	98.1	100.0	100.0	99.8	98.1	1.7	80-120	20			
Nickel	97.0	96.2	100.0	100.0	97.0	96.2	0.8	80-120	20			
Selenium	97.2	96.6	100.0	100.0	97.2	96.6	0.6	80-120	20			
Silver	98.2	97.6	100.0	100.0	98.2	97.6	0.6	80-120	20			
Thallium	94.2	93.9	100.0	100.0	94.2	93.9	0.3	80-120	20			
Vanadium	99.7	98.9	100.0	100.0	99.7	98.9	0.8	80-120	20			
Zinc	102	100	100.0	100.0	102.0	100.0	2.0	80-120	20			

CAM 17 Metals
Batch QC report

Test Method: 7471A

Prep Method: 7471A

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/27-05.16
 LCS: 2002/03/27-05.16-054 Extracted: 03/27/2002 10:56 Analyzed: 03/28/2002 10:08
 LCSD: 2002/03/27-05.16-055 Extracted: 03/27/2002 10:56 Analyzed: 03/28/2002 10:09

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Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Mercury	0.549	0.550	0.500	0.500	109.8	110.0	0.2	85-115	20		

Submission #: 2002-03-0496

SEVERN

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CAM 17 Metals
Batch QC report

Test Method: 7471A

Prep Method: 7471A

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/28-05.16
LCS: 2002/03/28-05.16-083 Extracted: 03/28/2002 07:42 Analyzed: 03/28/2002 10:43
LCSD: 2002/03/28-05.16-086 Extracted: 03/28/2002 07:42 Analyzed: 03/28/2002 10:47

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Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Mercury	0.551	0.550	0.500	0.500	110.2	110.0	0.2	85-115	20		

CAM 17 Metals
Batch QC report

Test Method: 6010B

Prep Method: 3050B

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/27-05.15
 LCS: 2002/03/27-05.15-031 Extracted: 03/27/2002 10:55 Analyzed: 03/28/2002 09:19
 LCSD: 2002/03/27-05.15-032 Extracted: 03/27/2002 10:55 Analyzed: 03/28/2002 09:31

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CA DHS ELAP#1094

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Antimony	99.0	99.2	100.0	100.0	99.0	99.2	0.2	80-120	20		
Arsenic	98.5	98.8	100.0	100.0	98.5	98.8	0.3	80-120	20		
Barium	94.1	94.1	100.0	100.0	94.1	94.1	0.0	80-120	20		
Beryllium	97.7	97.2	100.0	100.0	97.7	97.2	0.5	80-120	20		
Cadmium	96.2	96.3	100.0	100.0	96.2	96.3	0.1	80-120	20		
Chromium	96.0	96.2	100.0	100.0	96.0	96.2	0.2	80-120	20		
Cobalt	92.7	92.5	100.0	100.0	92.7	92.5	0.2	80-120	20		
Copper	97.0	96.5	100.0	100.0	97.0	96.5	0.5	80-120	20		
Lead	94.7	94.3	100.0	100.0	94.7	94.3	0.4	80-120	20		
Molybdenum	97.0	97.0	100.0	100.0	97.0	97.0	0.0	80-120	20		
Nickel	92.8	92.9	100.0	100.0	92.8	92.9	0.1	80-120	20		
Selenium	98.2	97.9	100.0	100.0	98.2	97.9	0.3	80-120	20		
Silver	97.3	97.1	100.0	100.0	97.3	97.1	0.2	80-120	20		
Thallium	92.5	92.5	100.0	100.0	92.5	92.5	0.0	80-120	20		
Vanadium	97.5	97.5	100.0	100.0	97.5	97.5	0.0	80-120	20		
Zinc	95.8	96.0	100.0	100.0	95.8	96.0	0.2	80-120	20		

Submission #: 2002-03-0496



CAM 17 Metals
Batch QC report

Test Method: 6010B

Prep Method: 3050B

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/28-08.15
LCS: 2002/03/28-08.15-070 Extracted: 03/28/2002 07:41 Analyzed: 03/28/2002 13:12
LCSD: 2002/03/28-08.15-071 Extracted: 03/28/2002 07:41 Analyzed: 03/28/2002 13:15

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Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Antimony	104	101	100.0	100.0	104.0	101.0	2.9	80-120	20		
Arsenic	104	101	100.0	100.0	104.0	101.0	2.9	80-120	20		
Barium	96.9	95.2	100.0	100.0	96.9	95.2	1.8	80-120	20		
Beryllium	98.8	101	100.0	100.0	98.8	101.0	2.2	80-120	20		
Cadmium	100.0	98.4	100.0	100.0	100.0	98.4	1.6	80-120	20		
Chromium	99.2	97.5	100.0	100.0	99.2	97.5	1.7	80-120	20		
Cobalt	96.3	94.7	100.0	100.0	96.3	94.7	1.7	80-120	20		
Copper	100	98.3	100.0	100.0	100.0	98.3	1.7	80-120	20		
Lead	99.4	96.8	100.0	100.0	99.4	96.8	2.7	80-120	20		
Molybdenum	101	98.6	100.0	100.0	101.0	98.6	2.4	80-120	20		
Nickel	96.7	95.0	100.0	100.0	96.7	95.0	1.8	80-120	20		
Selenium	103	100	100.0	100.0	103.0	100.0	3.0	80-120	20		
Silver	100	98.6	100.0	100.0	100.0	98.6	1.4	80-120	20		
Thallium	96.5	94.6	100.0	100.0	96.5	94.6	2.0	80-120	20		
Vanadium	101	98.9	100.0	100.0	101.0	98.9	2.1	80-120	20		
Zinc	99.2	97.7	100.0	100.0	99.2	97.7	1.5	80-120	20		

CAM 17 Metals
Batch QC report

Test Method: 7470A

Prep Method: 7470A

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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/29-02.16
 LCS: 2002/03/29-02.16-042 Extracted: 03/29/2002 07:22 Analyzed: 03/29/2002 10:32
 LCSD: 2002/03/29-02.16-028 Extracted: 03/29/2002 07:22 Analyzed: 03/29/2002 10:10

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CA DHS ELAP#1094

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Mercury	0.0199	0.0194	0.0200	0.0200	99.5	97.0	2.5	85-115	20		

CAM 17 Metals
Batch QC report

Test Method: 6010B

Prep Method: 3010A

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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/29-02.15
 LCS: 2002/03/29-02.15-038 Extracted: 03/29/2002 07:05 Analyzed: 03/29/2002 11:18
 LCSD: 2002/03/29-02.15-039 Extracted: 03/29/2002 07:05 Analyzed: 03/29/2002 11:22

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Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Antimony	0.463	0.451	0.500	0.500	92.6	90.2	2.6	80-120	20		
Arsenic	0.446	0.433	0.500	0.500	89.2	86.6	3.0	80-120	20		
Barium	0.480	0.463	0.500	0.500	96.0	92.6	3.6	80-120	20		
Beryllium	0.486	0.472	0.500	0.500	97.2	94.4	2.9	80-120	20		
Cadmium	0.487	0.469	0.500	0.500	97.4	93.8	3.8	80-120	20		
Chromium	0.484	0.468	0.500	0.500	96.8	93.6	3.4	80-120	20		
Cobalt	0.479	0.462	0.500	0.500	95.8	92.4	3.6	80-120	20		
Copper	0.476	0.460	0.500	0.500	95.2	92.0	3.4	80-120	20		
Lead	0.487	0.472	0.500	0.500	97.4	94.4	3.1	80-120	20		
Molybdenum	0.485	0.473	0.500	0.500	97.0	94.6	2.5	80-120	20		
Nickel	0.477	0.459	0.500	0.500	95.4	91.8	3.8	80-120	20		
Selenium	0.475	0.460	0.500	0.500	95.0	92.0	3.2	80-120	20		
Silver	0.475	0.458	0.500	0.500	95.0	91.6	3.6	80-120	20		
Thallium	0.483	0.468	0.500	0.500	96.6	93.6	3.2	80-120	20		
Vanadium	0.479	0.462	0.500	0.500	95.8	92.4	3.6	80-120	20		
Zinc	0.485	0.467	0.500	0.500	97.0	93.4	3.8	80-120	20		

Gasoline

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Iris Environmental

✉ 1615 Broadway, Suite 1003
Oakland, CA 94612

Attn: Chris Alger

Phone: (510) 834-4747 Fax: (510) 834-4199

01-201-A

Project: 2225/2277 Seventh St.

SitePort of Oakland

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-19-2.0-2.5	Soil	03/25/2002 09:23	2
MFC-19-4.0-4.5	Soil	03/25/2002 09:30	3
MFC-31-4.5-5.0	Soil	03/25/2002 09:30	4
MFC-31-3.0-3.5	Soil	03/25/2002 09:30	6
MFC-18-3.0-3.5	Soil	03/25/2002 10:45	7
MFC-18-4.5-5.0	Soil	03/25/2002 11:12	9
MFC-31-GW	Water	03/25/2002 11:30	10
MFC-33-GW	Water	03/25/2002 12:30	11
MFC-33-3.0-3.5	Soil	03/25/2002 11:15	12
MFC-33-5.0-5.5	Soil	03/25/2002	13
MFC-14-3.0-3.5	Soil	03/25/2002 13:36	15
MFC-14-4.0-4.5	Soil	03/25/2002 13:45	17
MFC-14-GW	Water	03/25/2002 15:35	18
EB-032502	Water	03/25/2002 16:30	20
MFC-35-GW	Water	03/25/2002 17:00	21
TB-032502B	Water	03/25/2002 17:30	22
MFC-35-5.0-5.5	Soil	03/25/2002 13:45	26
MFC-35-2.0-2.5	Soil	03/25/2002 13:50	27
MFC-15-3.0-3.5	Soil	03/25/2002 14:17	28
MFC-15-4.5-5.0	Soil	03/25/2002 14:29	30
MFC-16-4.0-4.5	Soil	03/25/2002	33
MFC-18-GW	Water	03/25/2002	44
MFC-19-GW	Water	03/25/2002 10:00	45
TB-032502A	Water	03/25/2002	46
TB-032502C	Water	03/25/2002	47

Submission #: 2002-03-0496



Gasoline

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
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Sample ID: MFC-19-2.0-2.5	Lab Sample ID: 2002-03-0496-002
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 17:49
Sampled: 03/25/2002 09:23	QC-Batch: 2002/04/01-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/01/2002 17:49	
Surrogate(s)						
4-Bromofluorobenzene-FID	86.8	58-124	%	1.00	04/01/2002 17:49	

Submission #: 2002-03-0496

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Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
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Sample ID: MFC-19-4.0-4.5	Lab Sample ID: 2002-03-0496-003
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 18:20
Sampled: 03/25/2002 09:30	QC-Batch: 2002/04/01-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/01/2002 18:20	
Surrogate(s)						
4-Bromofluorobenzene-FID	83.0	58-124	%	1.00	04/01/2002 18:20	

Submission #: 2002-03-0496



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
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CA DHS ELAP#1094

Sample ID: MFC-31-4.5-5.0	Lab Sample ID: 2002-03-0496-004
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 18:51
Sampled: 03/25/2002 09:30	QC-Batch: 2002/04/01-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/01/2002 18:51	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	92.5	58-124	%	1.00	04/01/2002 18:51	

Gasoline

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Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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Sample ID: MFC-31-3.0-3.5	Lab Sample ID: 2002-03-0496-006
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 00:55
Sampled: 03/25/2002 09:30	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	5.4	1.0	mg/Kg	1.00	04/03/2002 00:55	g
Surrogate(s)						
4-Bromofluorobenzene-FID	119.7	58-124	%	1.00	04/03/2002 00:55	

Submission #: 2002-03-0496



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
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Sample ID: MFC-18-3.0-3.5	Lab Sample ID: 2002-03-0496-007
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 21:56
Sampled: 03/25/2002 10:45	QC-Batch: 2002/04/01-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	4.6	1.0	mg/Kg	1.00	04/01/2002 21:56	g
Surrogate(s)						
4-Bromofluorobenzene-FID	104.9	58-124	%	1.00	04/01/2002 21:56	

Submission #: 2002-03-0496



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Test Method: 8015M

Prep Method: 5035
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Sample ID: MFC-18-4.5-5.0	Lab Sample ID: 2002-03-0496-009
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 22:57
Sampled: 03/25/2002 11:12	QC-Batch: 2002/04/01-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/01/2002 22:57	
<i>Surrogate(s)</i> 4-Bromofluorobenzene-FID	86.9	58-124	%	1.00	04/01/2002 22:57	

Submission #: 2002-03-0496

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
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CA DHS ELAP#1094

Sample ID: MFC-31-GW	Lab Sample ID: 2002-03-0496-010
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 17:05
Sampled: 03/25/2002 11:30	QC-Batch: 2002/03/27-01.05
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1400	500	ug/L	10.00	03/27/2002 17:05	g
Surrogate(s)						
4-Bromofluorobenzene-FID	83.9	50-150	%	10.00	03/27/2002 17:05	

Submission #: 2002-03-0496



Gasoline

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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Sample ID: MFC-33-GW	Lab Sample ID: 2002-03-0496-011
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 19:14
Sampled: 03/25/2002 12:30	QC-Batch: 2002/03/28-01.05
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	4600	250	ug/L	5.00	03/28/2002 19:14	g
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	87.8	50-150	%	50.00	03/28/2002 19:14	

Submission #: 2002-03-0496

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
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Sample ID: MFC-33-3.0-3.5	Lab Sample ID: 2002-03-0496-012
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 23:27
Sampled: 03/25/2002 11:15	QC-Batch: 2002/04/01-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/01/2002 23:27	
Surrogate(s)						
4-Bromofluorobenzene-FID	80.0	58-124	%	1.00	04/01/2002 23:27	

Submission #: 2002-03-0496

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Gasoline

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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Sample ID: MFC-33-5.0-5.5	Lab Sample ID: 2002-03-0496-013
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 23:58
Sampled: 03/25/2002	QC-Batch: 2002/04/01-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/01/2002 23:58	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	83.0	58-124	%	1.00	04/01/2002 23:58	

Submission #: 2002-03-0496

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
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Sample ID: MFC-14-3.0-3.5	Lab Sample ID: 2002-03-0496-015
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 01:56
Sampled: 03/25/2002 13:36	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 01:56	
Surrogate(s)						
4-Bromofluorobenzene-FID	86.9	58-124	%	1.00	04/03/2002 01:56	

Submission #: 2002-03-0496



Gasoline

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Test Method: 8015M
Prep Method: 5035
5030

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Sample ID: MFC-14-4.0-4.5	Lab Sample ID: 2002-03-0496-017
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 02:57
Sampled: 03/25/2002 13:45	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 02:57	
Surrogate(s)						
4-Bromofluorobenzene-FID	76.6	58-124	%	1.00	04/03/2002 02:57	

Submission #: 2002-03-0496

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Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
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CA DHS ELAP#1094

Sample ID: MFC-14-GW	Lab Sample ID: 2002-03-0496-018
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 18:09
Sampled: 03/25/2002 15:35	QC-Batch: 2002/03/27-01.05
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	130	50	ug/L	1.00	03/27/2002 18:09	g
Surrogate(s)						
4-Bromofluorobenzene-FID	83.2	50-150	%	1.00	03/27/2002 18:09	

Submission #: 2002-03-0496



Gasoline

Iris Environmental
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Test Method: 8015M
Prep Method: 5035
5030

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Sample ID: EB-032502	Lab Sample ID: 2002-03-0496-020
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 18:41
Sampled: 03/25/2002 16:30	QC-Batch: 2002/03/27-01.05
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/27/2002 18:41	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	84.3	50-150	%	1.00	03/27/2002 18:41	

Submission #: 2002-03-0496



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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CA DHS ELAP#1094

Sample ID: MFC-35-GW	Lab Sample ID: 2002-03-0496-021
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/29/2002 12:36
Sampled: 03/25/2002 17:00	QC-Batch: 2002/03/29-01.05
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1900	50	ug/L	1.00	03/29/2002 12:36	g
Surrogate(s)						
4-Bromofluorobenzene-FID	118.3	50-150	%	1.00	03/29/2002 12:36	

Submission #: 2002-03-0496



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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Sample ID: TB-032502B	Lab Sample ID: 2002-03-0496-022
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 19:45
Sampled: 03/25/2002 17:30	QC-Batch: 2002/03/27-01.05
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/27/2002 19:45	
Surrogate(s)						
4-Bromofluorobenzene-FID	81.8	50-150	%	1.00	03/27/2002 19:45	

Submission #: 2002-03-0496



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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CA DHS ELAP#1094

Sample ID: MFC-35-5.0-5.5	Lab Sample ID: 2002-03-0496-026
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 04:29
Sampled: 03/25/2002 13:45	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 04:29	
Surrogate(s)						
4-Bromofluorobenzene-FID	78.5	58-124	%	1.00	04/03/2002 04:29	

Submission #: 2002-03-0496

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Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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Sample ID: MFC-35-2.0-2.5	Lab Sample ID: 2002-03-0496-027
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 11:14
Sampled: 03/25/2002 13:50	QC-Batch: 2002/04/03-01.01
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	2.0	1.0	mg/Kg	1.00	04/03/2002 11:14	g
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	117.7	58-124	%	1.00	04/03/2002 11:14	

Submission #: 2002-03-0496



Gasoline

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Test Method: 8015M
Prep Method: 5035
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CA DHS ELAP#1094

Sample ID: MFC-15-3.0-3.5	Lab Sample ID: 2002-03-0496-028
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 11:44
Sampled: 03/25/2002 14:17	QC-Batch: 2002/04/03-01.01
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 11:44	
Surrogate(s)						
4-Bromofluorobenzene-FID	92.3	58-124	%	1.00	04/03/2002 11:44	

Submission #: 2002-03-0496

**SEVERN
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Gasoline

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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Sample ID: MFC-15-4.5-5.0	Lab Sample ID: 2002-03-0496-030
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 10:44
Sampled: 03/25/2002 14:29	QC-Batch: 2002/04/03-01.01
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 10:44	
Surrogate(s)						
4-Bromofluorobenzene-FID	104.5	58-124	%	1.00	04/03/2002 10:44	

Submission #: 2002-03-0496



Gasoline

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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Fax 925 484 1096
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CA DHS ELAP#1094

Sample ID: MFC-16-4.0-4.5	Lab Sample ID: 2002-03-0496-033
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 12:14
Sampled: 03/25/2002	QC-Batch: 2002/04/03-01.01
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 12:14	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	74.6	58-124	%	1.00	04/03/2002 12:14	

Submission #: 2002-03-0496

Gasoline

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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CA DHS ELAP#1094

Sample ID: MFC-18-GW	Lab Sample ID: 2002-03-0496-044
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 20:18
Sampled: 03/25/2002	QC-Batch: 2002/03/28-01.05
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1000	250	ug/L	5.00	03/28/2002 20:18	
Surrogate(s)						
4-Bromofluorobenzene-FID	69.5	50-150	%	500.00	03/28/2002 20:18	

Submission #: 2002-03-0496

Gasoline

**SEVERN
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Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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Sample ID: MFC-19-GW	Lab Sample ID: 2002-03-0496-045
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 20:50
Sampled: 03/25/2002 10:00	QC-Batch: 2002/03/27-01.05
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1200	500	ug/L	10.00	03/27/2002 20:50	9
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	83.4	50-150	%	20.00	03/27/2002 20:50	

Submission #: 2002-03-0496

**SEVERN
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SERVICES**

Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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Sample ID: TB-032502A	Lab Sample ID: 2002-03-0496-046
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 21:22
Sampled: 03/25/2002	QC-Batch: 2002/03/27-01.05
Matrix: Water	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/27/2002 21:22	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	81.3	50-150	%	1.00	03/27/2002 21:22	

Submission #: 2002-03-0496



Gasoline

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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CA DHS ELAP#1094

Sample ID: TB-032502C	Lab Sample ID: 2002-03-0496-047
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/27/2002 21:54
Sampled: 03/25/2002	QC-Batch: 2002/03/27-01.05
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/27/2002 21:54	
Surrogate(s)						
4-Bromofluorobenzene-FID	71.2	50-150	%	1.00	03/27/2002 21:54	

Submission #: 2002-03-0496

SEVERN

TRENT

SERVICES

Gasoline

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5035

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CA DHS ELAP#1094

Method Blank

Soil

QC Batch # 2002/04/02-01.03

MB: 2002/04/02-01.03-001

Date Extracted: 04/02/2002 08:56

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	04/02/2002 08:56	
<i>Surrogate(s)</i> 4-Bromofluorobenzene-FID	81.7	58-124	%	04/02/2002 08:56	

Gasoline
Batch QC report

Test Method: 8015M

Prep Method: 5030

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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/27-01.05
 LCS: 2002/03/27-01.05-003 Extracted: 03/27/2002 09:09 Analyzed: 03/27/2002 09:09
 LCSD: 2002/03/27-01.05-004 Extracted: 03/27/2002 09:41 Analyzed: 03/27/2002 09:41

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Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	464	456	500	500	92.8	91.2	1.7	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	490	501	500	500	98.0	100.2		50-150			

Submission #: 2002-03-0496



Gasoline
Batch QC report

Test Method: 8015M

Prep Method: 5030

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/28-01.05
LCS: 2002/03/28-01.05-002 Extracted: 03/28/2002 07:24 Analyzed: 03/28/2002 07:24
LCSD: 2002/03/28-01.05-003 Extracted: 03/28/2002 07:57 Analyzed: 03/28/2002 07:57

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	515	519	500	500	103.0	103.8	0.8	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	459	456	500	500	91.8	91.2		50-150			

Gasoline
Batch QC report

Test Method: 8015M

Prep Method: 5030

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/01-01.03
 LCS: 2002/04/01-01.03-008 Extracted: 04/01/2002 14:44 Analyzed: 04/01/2002 14:44
 LCSD: 2002/04/01-01.03-007 Extracted: 04/01/2002 13:59 Analyzed: 04/01/2002 13:59

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Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	0.475	0.483	0.500	0.500	95.0	96.6	1.7	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	375	409	500	500	75.0	81.8		58-124			

Submission #: 2002-03-0496

**SEVERN
TRENT
SERVICES**

Gasoline
Batch QC report

Test Method: 8015M

Prep Method: 5035

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/02-01.03
LCS: 2002/04/02-01.03-004 Extracted: 04/02/2002 10:28 Analyzed: 04/02/2002 10:28
LCSD: 2002/04/02-01.03-005 Extracted: 04/02/2002 10:59 Analyzed: 04/02/2002 10:59

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CA DHS ELAP#1094

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	0.463	0.480	0.500	0.500	92.6	96.0	3.6	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	412	423	500	500	82.4	84.6		58-124			

Submission #: 2002-03-0496

**SEVERN
TRENT
SERVICES**

Gasoline

Batch QC report

Test Method: 8015M

Prep Method: 5030

STL San Francisco
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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/29-01.05
LCS: 2002/03/29-01.05-002 Extracted: 03/29/2002 07:27 Analyzed: 03/29/2002 07:27
LCSD: 2002/03/29-01.05-003 Extracted: 03/29/2002 08:00 Analyzed: 03/29/2002 08:00

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Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		[%]	Recover	RPD	LCS
Gasoline	514	557	500	500	102.8	111.4	8.0	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene	478	479	500	500	95.6	95.8		50-150			

Submission #: 2002-03-0496



Gasoline
Batch QC report

Test Method: 8015M

Prep Method: 5035

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/03-01.01
 LCS: 2002/04/03-01.01-004 Extracted: 04/03/2002 09:03 Analyzed: 04/03/2002 09:03
 LCSD: 2002/04/03-01.01-005 Extracted: 04/03/2002 09:33 Analyzed: 04/03/2002 09:33

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Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	0.535	0.525	0.500	0.500	107.0	105.0	1.9	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	513	507	500	500	102.6	101.4		58-124			

Submission #: 2002-03-0496

SEVERN

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SERVICES

Gasoline

Legend & Notes

Test Method: 8015M

Prep Method: 5035
5030

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Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard

CA DHS ELAP#1094

Submission #: 2002-03-0496

**SEVERN
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SERVICES**

Gas/BTEX Compounds (High Level)

Iris Environmental	✉ 1615 Broadway, Suite 1003 Oakland, CA 94612
Attn: Chris Alger	Phone: (510) 834-4747 Fax: (510) 834-4199
01-201-A	Project: 2225/2277 Seventh St.
Site Port of Oakland	

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1220 Quarry Lane
Pleasanton, CA 94566

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-37-4.5-5.0	Soil	03/25/2002 14:20	24

Submission #: 2002-03-0496



Gas/BTEX Compounds (High Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5030

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CA DHS ELAP#1094

Sample ID: MFC-37-4.5-5.0	Lab Sample ID: 2002-03-0496-024
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 00:24
Sampled: 03/25/2002 14:20	QC-Batch: 2002/04/02-05.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	310	50	mg/Kg	5.00	04/03/2002 00:24	g
<i>Surrogate(s)</i>						
Trifluorotoluene-FID	101.2	53-125	%	1.00	04/03/2002 00:24	

Submission #: 2002-03-0496



Gas/BTEX Compounds (High Level)

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5030

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/02-05.03
LCS: 2002/04/02-05.03-002 Extracted: 04/02/2002 12:00 Analyzed: 04/02/2002 12:00
LCSD: 2002/04/02-05.03-003 Extracted: 04/02/2002 12:31 Analyzed: 04/02/2002 12:31

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		[%]	Recover	RPD	LCS	LCSD
Gasoline	0.692	0.704	0.625	0.625	110.7	112.6	1.7	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	87.4	89.9	100	100	87.4	89.9		58-124	0		

Submission #: 2002-03-0496

SEVERN

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SERVICES

Gas/BTEX Compounds (High Level)

Legend & Notes

Test Method: 8015M

Prep Method: 5030

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Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard CA DHS ELAP#1094

Iris Environmental

✉ 1615 Broadway, Suite 1003
Oakland, CA 94612

Attn: Chris Alger

Phone: (510) 834-4747 Fax: (510) 834-4199

01-201-A

Project: 2225/2277 Seventh St.

SitePort of Oakland

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-19-1.0-1.5	Soil	03/25/2002 09:20	1
MFC-31-1.5-2.0	Soil	03/25/2002 09:30	5
MFC-18-1.5-2.0	Soil	03/25/2002 10:40	8
MFC-33-1.5-2.0	Soil	03/25/2002	14
MFC-14-1.5-2.0	Soil	03/25/2002 13:26	16
MFC-37-1.5-2.0	Soil	03/25/2002 14:20	23
MFC-35-1.0-1.5	Soil	03/25/2002 14:20	25
MFC-15-1.5-2.0	Soil	03/25/2002 14:15	29
MFC-16-1.5-2.0	Soil	03/25/2002	32

Submission #: 2002-03-0496



Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-19-1.0-1.5	Lab Sample ID: 2002-03-0496-001
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 22:21
Sampled: 03/25/2002 09:20	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/02/2002 22:21	
Benzene	ND	0.0050	mg/Kg	1.00	04/02/2002 22:21	
Toluene	ND	0.0050	mg/Kg	1.00	04/02/2002 22:21	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/02/2002 22:21	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/02/2002 22:21	
Surrogate(s)						
Trifluorotoluene	79.1	53-125	%	1.00	04/02/2002 22:21	
Trifluorotoluene-FID	74.8	53-125	%	1.00	04/02/2002 22:21	

Submission #: 2002-03-0496

**SEVERN
TRENT
SERVICES**

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-31-1.5-2.0	Lab Sample ID: 2002-03-0496-005
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/02/2002 22:52
Sampled: 03/25/2002 09:30	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/02/2002 22:52	
Benzene	ND	0.0050	mg/Kg	1.00	04/02/2002 22:52	
Toluene	ND	0.0050	mg/Kg	1.00	04/02/2002 22:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/02/2002 22:52	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/02/2002 22:52	
Surrogate(s)						
Trifluorotoluene	68.8	53-125	%	1.00	04/02/2002 22:52	
4-Bromofluorobenzene-FID	58.9	58-124	%	1.00	04/02/2002 22:52	

Submission #: 2002-03-0496

SEVERN

TRENT

SERVICES

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
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Sample ID: MFC-18-1.5-2.0	Lab Sample ID: 2002-03-0496-008
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/04/2002 13:57
Sampled: 03/25/2002 10:40	QC-Batch: 2002/04/04-01.01
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 13:57	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 13:57	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 13:57	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 13:57	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 13:57	
Surrogate(s)						
Trifluorotoluene	106.9	53-125	%	1.00	04/04/2002 13:57	
4-Bromofluorobenzene-FID	97.7	58-124	%	1.00	04/04/2002 13:57	

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-33-1.5-2.0	Lab Sample ID: 2002-03-0496-014
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 01:25
Sampled: 03/25/2002	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 01:25	
Benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 01:25	
Toluene	ND	0.0050	mg/Kg	1.00	04/03/2002 01:25	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 01:25	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/03/2002 01:25	
Surrogate(s)						
Trifluorotoluene	59.2	53-125	%	1.00	04/03/2002 01:25	
Trifluorotoluene-FID	57.3	53-125	%	1.00	04/03/2002 01:25	

Submission #: 2002-03-0496

**SEVERN
TRENT
SERVICES**

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-14-1.5-2.0	Lab Sample ID: 2002-03-0496-016
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 02:26
Sampled: 03/25/2002 13:26	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 02:26	
Benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 02:26	
Toluene	ND	0.0050	mg/Kg	1.00	04/03/2002 02:26	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 02:26	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/03/2002 02:26	
Surrogate(s)						
Trifluorotoluene	73.0	53-125	%	1.00	04/03/2002 02:26	
Trifluorotoluene-FID	84.4	53-125	%	1.00	04/03/2002 02:26	

Submission #: 2002-03-0496



Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-37-1.5-2.0	Lab Sample ID: 2002-03-0496-023
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 03:28
Sampled: 03/25/2002 14:20	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 03:28	
Benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 03:28	
Toluene	ND	0.0050	mg/Kg	1.00	04/03/2002 03:28	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 03:28	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/03/2002 03:28	
Surrogate(s)						
Trifluorotoluene	84.8	53-125	%	1.00	04/03/2002 03:28	
4-Bromofluorobenzene-FID	71.5	58-124	%	1.00	04/03/2002 03:28	

Submission #: 2002-03-0496



Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-35-1.0-1.5	Lab Sample ID: 2002-03-0496-025
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 03:58
Sampled: 03/25/2002 14:20	QC-Batch: 2002/04/02-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 03:58	
Benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 03:58	
Toluene	ND	0.0050	mg/Kg	1.00	04/03/2002 03:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 03:58	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/03/2002 03:58	
Surrogate(s)						
Trifluorotoluene	100.8	53-125	%	1.00	04/03/2002 03:58	
4-Bromofluorobenzene-FID	96.2	58-124	%	1.00	04/03/2002 03:58	

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-15-1.5-2.0	Lab Sample ID: 2002-03-0496-029
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 11:51
Sampled: 03/25/2002 14:15	QC-Batch: 2002/04/03-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 11:51	
Benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 11:51	
Toluene	ND	0.0050	mg/Kg	1.00	04/03/2002 11:51	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 11:51	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/03/2002 11:51	
Surrogate(s)						
Trifluorotoluene	100.1	53-125	%	1.00	04/03/2002 11:51	
4-Bromofluorobenzene-FID	82.9	58-124	%	1.00	04/03/2002 11:51	

Submission #: 2002-03-0496



Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-16-1.5-2.0	Lab Sample ID: 2002-03-0496-032
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 12:52
Sampled: 03/25/2002	QC-Batch: 2002/04/03-01.03
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/03/2002 12:52	
Benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 12:52	
Toluene	ND	0.0050	mg/Kg	1.00	04/03/2002 12:52	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/03/2002 12:52	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/03/2002 12:52	
Surrogate(s)						
Trifluorotoluene	97.6	53-125	%	1.00	04/03/2002 12:52	
4-Bromofluorobenzene-FID	76.5	58-124	%	1.00	04/03/2002 12:52	

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5035

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Method Blank	Soil	QC Batch # 2002/04/02-01.03
MB: 2002/04/02-01.03-001		Date Extracted: 04/02/2002 08:56

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	04/02/2002 08:56	
Benzene	ND	0.0050	mg/Kg	04/02/2002 08:56	
Toluene	ND	0.0050	mg/Kg	04/02/2002 08:56	
Ethyl benzene	ND	0.0050	mg/Kg	04/02/2002 08:56	
Xylene(s)	ND	0.0050	mg/Kg	04/02/2002 08:56	
Surrogate(s)					
Trifluorotoluene	88.9	53-125	%	04/02/2002 08:56	
4-Bromofluorobenzene-FID	81.7	58-124	%	04/02/2002 08:56	

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5035

STL San Francisco
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Method Blank	Soil	QC Batch # 2002/04/04-01.01
MB: 2002/04/04-01.01-004		Date Extracted: 04/04/2002 09:20

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	04/04/2002 09:20	
Benzene	ND	0.0050	mg/Kg	04/04/2002 09:20	
Toluene	ND	0.0050	mg/Kg	04/04/2002 09:20	
Ethyl benzene	ND	0.0050	mg/Kg	04/04/2002 09:20	
Xylene(s)	ND	0.0050	mg/Kg	04/04/2002 09:20	
Surrogate(s)					
Trifluorotoluene	104.0	53-125	%	04/04/2002 09:20	
4-Bromofluorobenzene-FID	98.2	58-124	%	04/04/2002 09:20	

Submission #: 2002-03-0496

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8021B

Prep Method: 5035



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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/02-01.03
LCS: 2002/04/02-01.03-002 Extracted: 04/02/2002 09:27 Analyzed: 04/02/2002 09:27
LCSD: 2002/04/02-01.03-003 Extracted: 04/02/2002 09:57 Analyzed: 04/02/2002 09:57

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		[%]	Recover	RPD	LCS	LCSD
Benzene	0.0962	0.0892	0.1000	0.1000	96.2	89.2	7.6	77-123	35		
Toluene	0.0948	0.0881	0.1000	0.1000	94.8	88.1	7.3	78-122	35		
Ethyl benzene	0.0945	0.0892	0.1000	0.1000	94.5	89.2	5.8	70-130	35		
Xylene(s)	0.279	0.262	0.300	0.300	93.0	87.3	6.3	75-125	35		
Surrogate(s)											
Trifluorotoluene	488	445	500	500	97.6	89.0		53-125			

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M

Prep Method: 5035

STL San Francisco
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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/02-01.03
 LCS: 2002/04/02-01.03-004 Extracted: 04/02/2002 10:28 Analyzed: 04/02/2002 10:28
 LCSD: 2002/04/02-01.03-005 Extracted: 04/02/2002 10:59 Analyzed: 04/02/2002 10:59

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Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	0.463	0.480	0.500	0.500	92.6	96.0	3.6	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	412	423	500	500	82.4	84.6		58-124			

Submission #: 2002-03-0496



Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8021B

Prep Method: 5035

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/03-01.03
 LCS: 2002/04/03-01.03-002 Extracted: 04/03/2002 09:05 Analyzed: 04/03/2002 09:05
 LCSD: 2002/04/03-01.03-003 Extracted: 04/03/2002 09:35 Analyzed: 04/03/2002 09:35

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Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	0.0919	0.0862	0.1000	0.1000	91.9	86.2	6.4	77-123	35		
Toluene	0.0906	0.0853	0.1000	0.1000	90.6	85.3	6.0	78-122	35		
Ethyl benzene	0.0898	0.0851	0.1000	0.1000	89.8	85.1	5.4	70-130	35		
Xylene(s)	0.266	0.253	0.300	0.300	88.7	84.3	5.1	75-125	35		
Surrogate(s)											
Trifluorotoluene	474	437	500	500	94.8	87.4		53-125			

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M

Prep Method: 5035

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/03-01.03
 LCS: 2002/04/03-01.03-004 Extracted: 04/03/2002 10:06 Analyzed: 04/03/2002 10:06
 LCSD: 2002/04/03-01.03-005 Extracted: 04/03/2002 10:37 Analyzed: 04/03/2002 10:37

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	0.457	0.458	0.500	0.500	91.4	91.6	0.2	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	393	403	500	500	78.6	80.6		58-124			

Submission #: 2002-03-0496



Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M

Prep Method: 5035

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Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2002/04/04-01.01
LCS: 2002/04/04-01.01-005	Extracted: 04/04/2002 09:50	Analyzed: 04/04/2002 09:50
LCSD: 2002/04/04-01.01-006	Extracted: 04/04/2002 10:20	Analyzed: 04/04/2002 10:20

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Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	0.524	0.531	0.500	0.500	104.8	106.2	1.3	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	508	503	500	500	101.6	100.6		58-124			

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8021B

Prep Method: 5035

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/04-01.01
 LCS: 2002/04/04-01.01-007 Extracted: 04/04/2002 10:50 Analyzed: 04/04/2002 10:50
 LCSD: 2002/04/04-01.01-008 Extracted: 04/04/2002 11:20 Analyzed: 04/04/2002 11:20

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CA DHS ELAP#1094

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]			Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD	
Benzene	0.0971	0.0999	0.1000	0.1000	97.1	99.9	2.8	77-123	35			
Toluene	0.0994	0.102	0.1000	0.1000	99.4	102.0	2.6	78-122	35			
Ethyl benzene	0.0988	0.100	0.1000	0.1000	98.8	100.0	1.2	70-130	35			
Xylene(s)	0.298	0.306	0.300	0.300	99.3	102.0	2.7	75-125	35			
Surrogate(s)												
Trifluorotoluene	579	591	500	500	115.8	118.2		53-125				

Total Extractable Petroleum Hydrocarbons (TEPH)

Iris Environmental	☒ 1615 Broadway, Suite 1003 Oakland, CA 94612
Attn: Chris Alger	Phone: (510) 834-4747 Fax: (510) 834-4199
01-201-A	Project: 2225/2277 Seventh St.
Site Port of Oakland	

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-18-GW	Water	03/25/2002	44
MFC-19-GW	Water	03/25/2002 10:00	45

Submission #: 2002-03-0496



Total Extractable Petroleum Hydrocarbons (TEPH)

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-18-GW	Lab Sample ID: 2002-03-0496-044
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:37
Sampled: 03/25/2002	QC-Batch: 2002/04/01-04.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	160000	2900	ug/L	57.47	04/03/2002 09:03	ndp
Motor Oil	ND	29000	ug/L	57.47	04/03/2002 09:03	
Kerosene	ND	2900	ug/L	57.47	04/03/2002 09:03	
Jet A	ND	2900	ug/L	57.47	04/03/2002 09:03	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	57.47	04/03/2002 09:03	sd

Total Extractable Petroleum Hydrocarbons (TEPH)

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-19-GW	Lab Sample ID: 2002-03-0496-045
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:37
Sampled: 03/25/2002 10:00	QC-Batch: 2002/04/01-04.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	140000	500	ug/L	10.00	04/02/2002 10:58	ndp
Motor Oil	7100	5000	ug/L	10.00	04/02/2002 10:58	
Kerosene	ND	500	ug/L	10.00	04/02/2002 10:58	
Jet A	ND	500	ug/L	10.00	04/02/2002 10:58	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	04/02/2002 10:58	sd

Total Extractable Petroleum Hydrocarbons (TEPH)

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015M

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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/01-04.10
 LCS: 2002/04/01-04.10-002 Extracted: 04/01/2002 08:37 Analyzed: 04/02/2002 09:47
 LCSD: 2002/04/01-04.10-003 Extracted: 04/01/2002 08:37 Analyzed: 04/02/2002 08:18

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CA DHS ELAP#1094

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	633	777	1250	1250	50.6	62.2	20.6	60-130	25	,or	
Surrogate(s)											
o-Terphenyl	16.1	18.1	20.0	20.0	80.4	90.7		60-130	0		

Submission #: 2002-03-0496



Total Extractable Petroleum Hydrocarbons (TEPH)

Legend & Notes

Test Method: 8015M

Prep Method: 3510/8015M

QC Sample Notes

Laboratory Control Spike (Lab# 2002/04/01-04.10-002)
or = Percent recovery outside of control limit.

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Analyte Flags

sd

Surrogate recovery not reportable due to required dilution.

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CA DHS ELAP#1094

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01-201-A SitePort of Oakland	Project: 2225/2277 Seventh St.

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-19-1.0-1.5	Soil	03/25/2002 09:20	1
MFC-19-2.0-2.5	Soil	03/25/2002 09:23	2
MFC-19-4.0-4.5	Soil	03/25/2002 09:30	3
MFC-31-4.5-5.0	Soil	03/25/2002 09:30	4
MFC-31-1.5-2.0	Soil	03/25/2002 09:30	5
MFC-31-3.0-3.5	Soil	03/25/2002 09:30	6
MFC-18-3.0-3.5	Soil	03/25/2002 10:45	7
MFC-18-1.5-2.0	Soil	03/25/2002 10:40	8
MFC-18-4.5-5.0	Soil	03/25/2002 11:12	9
MFC-31-GW	Water	03/25/2002 11:30	10
MFC-33-3.0-3.5	Soil	03/25/2002 11:15	12
MFC-33-5.0-5.5	Soil	03/25/2002	13
MFC-33-1.5-2.0	Soil	03/25/2002	14
MFC-14-3.0-3.5	Soil	03/25/2002 13:36	15
MFC-14-1.5-2.0	Soil	03/25/2002 13:26	16
MFC-14-4.0-4.5	Soil	03/25/2002 13:45	17
MFC-14-GW	Water	03/25/2002 15:35	18
EB-032502	Water	03/25/2002 16:30	20
MFC-35-GW	Water	03/25/2002 17:00	21
MFC-37-1.5-2.0	Soil	03/25/2002 14:20	23
MFC-37-4.5-5.0	Soil	03/25/2002 14:20	24
MFC-35-1.0-1.5	Soil	03/25/2002 14:20	25
MFC-35-5.0-5.5	Soil	03/25/2002 13:45	26
MFC-35-2.0-2.5	Soil	03/25/2002 13:50	27
MFC-15-3.0-3.5	Soil	03/25/2002 14:17	28
MFC-15-1.5-2.0	Soil	03/25/2002 14:15	29
MFC-15-4.5-5.0	Soil	03/25/2002 14:29	30
MFC-15-4.5-5.0-DUP	Soil	03/25/2002 14:30	31
MFC-16-1.5-2.0	Soil	03/25/2002	32
MFC-16-4.0-4.5	Soil	03/25/2002	33

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-19-1.0-1.5	Lab Sample ID: 2002-03-0496-001
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 09:20	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	370	10	mg/Kg	10.00	03/29/2002 10:41	ndp
Motor Oil	1100	500	mg/Kg	10.00	03/29/2002 10:41	
Kerosene	ND	10	mg/Kg	10.00	03/29/2002 10:41	
Jet A	ND	10	mg/Kg	10.00	03/29/2002 10:41	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	03/29/2002 10:41	sd

Submission #: 2002-03-0496

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TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-19-2.0-2.5	Lab Sample ID: 2002-03-0496-002
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 09:23	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	3.8	1.0	mg/Kg	1.00	03/28/2002 20:00	ndp
Motor Oil	ND	50	mg/Kg	1.00	03/28/2002 20:00	
Kerosene	ND	1.0	mg/Kg	1.00	03/28/2002 20:00	
Jet A	ND	1.0	mg/Kg	1.00	03/28/2002 20:00	
Surrogate(s)						
o-Terphenyl	84.5	60-130	%	1.00	03/28/2002 20:00	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-19-4.0-4.5	Lab Sample ID: 2002-03-0496-003
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 13:04
Sampled: 03/25/2002 09:30	QC-Batch: 2002/04/03-03.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1.0	1.0	mg/Kg	1.00	04/04/2002 10:09	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/04/2002 10:09	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 10:09	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 10:09	
Surrogate(s)						
o-Terphenyl	45.9	60-130	%	1.00	04/04/2002 10:09	sl

TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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Sample ID: MFC-31-4.5-5.0	Lab Sample ID: 2002-03-0496-004
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2.7	1.0	mg/Kg	1.00	03/29/2002 08:01	ndp
Motor Oil	ND	50	mg/Kg	1.00	03/29/2002 08:01	
Kerosene	ND	1.0	mg/Kg	1.00	03/29/2002 08:01	
Jet A	ND	1.0	mg/Kg	1.00	03/29/2002 08:01	
Surrogate(s)						
o-Terphenyl	86.1	60-130	%	1.00	03/29/2002 08:01	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-31-1.5-2.0	Lab Sample ID: 2002-03-0496-005
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	16	1.0	mg/Kg	1.00	03/28/2002 21:59	ndp
Motor Oil	81	50	mg/Kg	1.00	03/28/2002 21:59	
Kerosene	ND	1.0	mg/Kg	1.00	03/28/2002 21:59	
Jet A	ND	1.0	mg/Kg	1.00	03/28/2002 21:59	
Surrogate(s)						
o-Terphenyl	87.6	60-130	%	1.00	03/28/2002 21:59	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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Sample ID: MFC-31-3.0-3.5	Lab Sample ID: 2002-03-0496-006
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 09:30	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	28	1.0	mg/Kg	1.00	03/29/2002 10:41	ndp
Motor Oil	75	50	mg/Kg	1.00	03/29/2002 10:41	
Kerosene	ND	1.0	mg/Kg	1.00	03/29/2002 10:41	
Jet A	ND	1.0	mg/Kg	1.00	03/29/2002 10:41	
Surrogate(s)						
o-Terphenyl	89.8	60-130	%	1.00	03/29/2002 10:41	

Submission #: 2002-03-0496



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Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-18-3.0-3.5	Lab Sample ID: 2002-03-0496-007
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 10:45	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	310	10	mg/Kg	10.00	03/29/2002 11:20	ndp
Motor Oil	1100	500	mg/Kg	10.00	03/29/2002 11:20	
Kerosene	ND	10	mg/Kg	10.00	03/29/2002 11:20	
Jet A	ND	10	mg/Kg	10.00	03/29/2002 11:20	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	03/29/2002 11:20	sd

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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Sample ID: MFC-18-1.5-2.0	Lab Sample ID: 2002-03-0496-008
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 10:40	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	11	1.0	mg/Kg	1.00	03/28/2002 21:19	ndp
Motor Oil	88	50	mg/Kg	1.00	03/28/2002 21:19	
Kerosene	ND	1.0	mg/Kg	1.00	03/28/2002 21:19	
Jet A	ND	1.0	mg/Kg	1.00	03/28/2002 21:19	
Surrogate(s)						
o-Terphenyl	89.5	60-130	%	1.00	03/28/2002 21:19	

Submission #: 2002-03-0496



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Test Method: 8015M

Prep Method: 3510/8015M
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CA DHS ELAP#1094

Sample ID: MFC-18-4.5-5.0	Lab Sample ID: 2002-03-0496-009
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 11:12	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5.9	1.0	mg/Kg	1.00	03/28/2002 18:00	ndp
Motor Oil	ND	50	mg/Kg	1.00	03/28/2002 18:00	
Kerosene	ND	1.0	mg/Kg	1.00	03/28/2002 18:00	
Jet A	ND	1.0	mg/Kg	1.00	03/28/2002 18:00	
Surrogate(s)						
o-Terphenyl	86.6	60-130	%	1.00	03/28/2002 18:00	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-31-GW	Lab Sample ID: 2002-03-0496-010
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 13:45
Sampled: 03/25/2002 11:30	QC-Batch: 2002/03/28-03.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	51000	500	ug/L	10.00	03/29/2002 18:38	ndp
Motor Oil	ND	5000	ug/L	10.00	03/29/2002 18:38	
Kerosene	ND	500	ug/L	10.00	03/29/2002 18:38	
Jet A	ND	500	ug/L	10.00	03/29/2002 18:38	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	03/29/2002 18:38	sd

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-33-3.0-3.5	Lab Sample ID: 2002-03-0496-012
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 11:15	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	14	1.0	mg/Kg	1.00	03/29/2002 11:20	ndp
Motor Oil	85	50	mg/Kg	1.00	03/29/2002 11:20	
Kerosene	ND	1.0	mg/Kg	1.00	03/29/2002 11:20	
Jet A	ND	1.0	mg/Kg	1.00	03/29/2002 11:20	
Surrogate(s)						
o-Terphenyl	96.2	60-130	%	1.00	03/29/2002 11:20	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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Sample ID: MFC-33-5.0-5.5	Lab Sample ID: 2002-03-0496-013
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2.1	1.0	mg/Kg	1.00	03/29/2002 17:19	ndp
Motor Oil	ND	50	mg/Kg	1.00	03/29/2002 17:19	
Kerosene	ND	1.0	mg/Kg	1.00	03/29/2002 17:19	
Jet A	ND	1.0	mg/Kg	1.00	03/29/2002 17:19	
Surrogate(s)						
o-Terphenyl	86.9	60-130	%	1.00	03/29/2002 17:19	

Submission #: 2002-03-0496

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TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
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CA DHS ELAP#1094

Sample ID: MFC-33-1.5-2.0	Lab Sample ID: 2002-03-0496-014
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1300	50	mg/Kg	50.00	03/29/2002 12:00	ndp
Motor Oil	3800	2500	mg/Kg	50.00	03/29/2002 12:00	
Kerosene	ND	50	mg/Kg	50.00	03/29/2002 12:00	
Jet A	ND	50	mg/Kg	50.00	03/29/2002 12:00	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	50.00	03/29/2002 12:00	sd

TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-14-3.0-3.5	Lab Sample ID: 2002-03-0496-015
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 13:36	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	03/28/2002 18:40	
Motor Oil	ND	50	mg/Kg	1.00	03/28/2002 18:40	
Kerosene	ND	1.0	mg/Kg	1.00	03/28/2002 18:40	
Jet A	ND	1.0	mg/Kg	1.00	03/28/2002 18:40	
Surrogate(s)						
o-Terphenyl	85.9	60-130	%	1.00	03/28/2002 18:40	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-14-1.5-2.0	Lab Sample ID: 2002-03-0496-016
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 13:26	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	13	1.0	mg/Kg	1.00	03/29/2002 10:01	ndp
Motor Oil	71	50	mg/Kg	1.00	03/29/2002 10:01	
Kerosene	ND	1.0	mg/Kg	1.00	03/29/2002 10:01	
Jet A	ND	1.0	mg/Kg	1.00	03/29/2002 10:01	
Surrogate(s)						
o-Terphenyl	91.3	60-130	%	1.00	03/29/2002 10:01	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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Sample ID: MFC-14-4.0-4.5	Lab Sample ID: 2002-03-0496-017
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 13:45	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	03/28/2002 19:20	
Motor Oil	ND	50	mg/Kg	1.00	03/28/2002 19:20	
Kerosene	ND	1.0	mg/Kg	1.00	03/28/2002 19:20	
Jet A	ND	1.0	mg/Kg	1.00	03/28/2002 19:20	
Surrogate(s)						
o-Terphenyl	84.8	60-130	%	1.00	03/28/2002 19:20	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-14-GW	Lab Sample ID: 2002-03-0496-018
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 13:45
Sampled: 03/25/2002 15:35	QC-Batch: 2002/03/28-03.10
Matrix: Water	
Sample/Analysis Flag: rl (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	62	ug/L	1.23	03/29/2002 08:41	
Motor Oil	ND	620	ug/L	1.23	03/29/2002 08:41	
Kerosene	ND	62	ug/L	1.23	03/29/2002 08:41	
Jet A	ND	62	ug/L	1.23	03/29/2002 08:41	
Surrogate(s)						
o-Terphenyl	90.4	60-130	%	1.23	03/29/2002 08:41	

Submission #: 2002-03-0496

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Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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Sample ID: EB-032502	Lab Sample ID: 2002-03-0496-020
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 13:45
Sampled: 03/25/2002 16:30	QC-Batch: 2002/03/28-03.10
Matrix: Water	
Sample/Analysis Flag: rl (See Legend & Note section)	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	57	ug/L	1.14	03/29/2002 16:39	
Motor Oil	ND	570	ug/L	1.14	03/29/2002 16:39	
Kerosene	ND	57	ug/L	1.14	03/29/2002 16:39	
Jet A	ND	57	ug/L	1.14	03/29/2002 16:39	
Surrogate(s)						
o-Terphenyl	48.1	60-130	%	1.14	03/29/2002 16:39	sl

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-35-GW	Lab Sample ID: 2002-03-0496-021
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/28/2002 13:45
Sampled: 03/25/2002 17:00	QC-Batch: 2002/03/28-03.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	35000	570	ug/L	11.36	03/29/2002 17:59	ndp
Motor Oil	ND	5700	ug/L	11.36	03/29/2002 17:59	
Kerosene	ND	570	ug/L	11.36	03/29/2002 17:59	
Jet A	ND	570	ug/L	11.36	03/29/2002 17:59	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	11.36	03/29/2002 17:59	sd

TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-37-1.5-2.0	Lab Sample ID: 2002-03-0496-023
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5.6	1.0	mg/Kg	1.00	03/28/2002 20:39	ndp
Motor Oil	ND	50	mg/Kg	1.00	03/28/2002 20:39	
Kerosene	ND	1.0	mg/Kg	1.00	03/28/2002 20:39	
Jet A	ND	1.0	mg/Kg	1.00	03/28/2002 20:39	
Surrogate(s)						
o-Terphenyl	94.5	60-130	%	1.00	03/28/2002 20:39	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-37-4.5-5.0	Lab Sample ID: 2002-03-0496-024
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 03/26/2002 06:47
Sampled: 03/25/2002 14:20	QC-Batch: 2002/03/26-01.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5700	50	mg/Kg	50.00	03/29/2002 12:00	ndp
Motor Oil	ND	2500	mg/Kg	50.00	03/29/2002 12:00	
Kerosene	ND	50	mg/Kg	50.00	03/29/2002 12:00	
Jet A	ND	50	mg/Kg	50.00	03/29/2002 12:00	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	50.00	03/29/2002 12:00	sd

TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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Sample ID: MFC-35-1.0-1.5	Lab Sample ID: 2002-03-0496-025
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:31
Sampled: 03/25/2002 14:20	QC-Batch: 2002/04/01-03.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	45	1.0	mg/Kg	1.00	04/03/2002 00:16	ndp
Motor Oil	420	50	mg/Kg	1.00	04/03/2002 00:16	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 00:16	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 00:16	
Surrogate(s)						
o-Terphenyl	99.4	60-130	%	1.00	04/03/2002 00:16	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-35-5.0-5.5	Lab Sample ID: 2002-03-0496-026
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 13:04
Sampled: 03/25/2002 13:45	QC-Batch: 2002/04/03-03.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	57	1.0	mg/Kg	1.00	04/04/2002 08:10	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/04/2002 08:10	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 08:10	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 08:10	
Surrogate(s)						
o-Terphenyl	76.8	60-130	%	1.00	04/04/2002 08:10	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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Sample ID: MFC-35-2.0-2.5	Lab Sample ID: 2002-03-0496-027
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:31
Sampled: 03/25/2002 13:50	QC-Batch: 2002/04/01-03.10
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	200	10	mg/Kg	10.00	04/02/2002 23:36	ndp
Motor Oil	1200	500	mg/Kg	10.00	04/02/2002 23:36	
Kerosene	ND	10	mg/Kg	10.00	04/02/2002 23:36	
Jet A	ND	10	mg/Kg	10.00	04/02/2002 23:36	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	04/02/2002 23:36	sd

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-15-3.0-3.5	Lab Sample ID: 2002-03-0496-028
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:31
Sampled: 03/25/2002 14:17	QC-Batch: 2002/04/01-03.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	6.1	1.0	mg/Kg	1.00	04/02/2002 18:56	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/02/2002 18:56	
Kerosene	ND	1.0	mg/Kg	1.00	04/02/2002 18:56	
Jet A	ND	1.0	mg/Kg	1.00	04/02/2002 18:56	
Surrogate(s)						
o-Terphenyl	82.0	60-130	%	1.00	04/02/2002 18:56	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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Sample ID: MFC-15-1.5-2.0	Lab Sample ID: 2002-03-0496-029
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:31
Sampled: 03/25/2002 14:15	QC-Batch: 2002/04/01-03.10
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	6.9	1.0	mg/Kg	1.00	04/02/2002 23:36	ndp
Motor Oil	120	50	mg/Kg	1.00	04/02/2002 23:36	
Kerosene	ND	1.0	mg/Kg	1.00	04/02/2002 23:36	
Jet A	ND	1.0	mg/Kg	1.00	04/02/2002 23:36	
Surrogate(s)						
o-Terphenyl	87.3	60-130	%	1.00	04/02/2002 23:36	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-15-4.5-5.0	Lab Sample ID: 2002-03-0496-030
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/03/2002 13:04
Sampled: 03/25/2002 14:29	QC-Batch: 2002/04/03-03.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/04/2002 07:30	
Motor Oil	ND	50	mg/Kg	1.00	04/04/2002 07:30	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 07:30	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 07:30	
Surrogate(s)						
o-Terphenyl	63.7	60-130	%	1.00	04/04/2002 07:30	

Submission #: 2002-03-0496

**SEVERN
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TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-15-4.5-5.0-DUP	Lab Sample ID: 2002-03-0496-031
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:31
Sampled: 03/25/2002 14:30	QC-Batch: 2002/04/01-03.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1.6	1.0	mg/Kg	1.00	04/02/2002 22:16	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/02/2002 22:16	
Kerosene	ND	1.0	mg/Kg	1.00	04/02/2002 22:16	
Jet A	ND	1.0	mg/Kg	1.00	04/02/2002 22:16	
Surrogate(s)						
o-Terphenyl	85.3	60-130	%	1.00	04/02/2002 22:16	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-16-1.5-2.0	Lab Sample ID: 2002-03-0496-032
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:31
Sampled: 03/25/2002	QC-Batch: 2002/04/01-03.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	8.0	1.0	mg/Kg	1.00	04/02/2002 22:56	ndp
Motor Oil	50	50	mg/Kg	1.00	04/02/2002 22:56	
Kerosene	ND	1.0	mg/Kg	1.00	04/02/2002 22:56	
Jet A	ND	1.0	mg/Kg	1.00	04/02/2002 22:56	
Surrogate(s)						
o-Terphenyl	84.4	60-130	%	1.00	04/02/2002 22:56	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3510/8015M
3550/8015M

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CA DHS ELAP#1094

Sample ID: MFC-16-4.0-4.5	Lab Sample ID: 2002-03-0496-033
Project: 01-201-A 2225/2277 Seventh St.	Received: 03/25/2002 18:10
Site: Port of Oakland	Extracted: 04/01/2002 08:31
Sampled: 03/25/2002	QC-Batch: 2002/04/01-03.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	16	1.0	mg/Kg	1.00	04/02/2002 22:56	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/02/2002 22:56	
Kerosene	ND	1.0	mg/Kg	1.00	04/02/2002 22:56	
Jet A	ND	1.0	mg/Kg	1.00	04/02/2002 22:56	
Surrogate(s)						
o-Terphenyl	83.8	60-130	%	1.00	04/02/2002 22:56	

TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015
M

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Method Blank	Water	QC Batch # 2002/03/28-03.10
MB: 2002/03/28-03.10-003		Date Extracted: 03/28/2002 13:45

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	03/29/2002 06:02	
Motor Oil	ND	500	ug/L	03/29/2002 06:02	
Kerosene	ND	50	ug/L	03/29/2002 06:02	
Jet A	ND	50	ug/L	03/29/2002 06:02	
Surrogate(s)					
o-Terphenyl	85.5	60-130	%	03/29/2002 06:02	

TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3550/8015
M

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank	Soil	QC Batch # 2002/04/03-03.10
MB: 2002/04/03-03.10-001		Date Extracted: 04/03/2002 13:04

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	04/04/2002 09:12	
Motor Oil	ND	50	mg/Kg	04/04/2002 09:12	
Kerosene	ND	1	mg/Kg	04/04/2002 09:12	
Jet A	ND	1	mg/Kg	04/04/2002 09:12	
Surrogate(s)					
o-Terphenyl	77.2	60-130	%	04/04/2002 09:12	

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3550/8015M

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/26-01.10
 LCS: 2002/03/26-01.10-002 Extracted: 03/26/2002 06:47 Analyzed: 03/26/2002 16:13
 LCSD: 2002/03/26-01.10-003 Extracted: 03/26/2002 06:47 Analyzed: 03/26/2002 16:50

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	30.3	33.0	41.7	41.7	72.7	79.1	8.4	60-130	25		
Surrogate(s)											
o-Terphenyl	17.9	19.0	20.0	20.0	89.5	95.2		60-130	0		

TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015M

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Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2002/03/28-03.10
LCS: 2002/03/28-03.10-001	Extracted: 03/28/2002 13:45	Analyzed: 03/29/2002 04:42
LCSD: 2002/03/28-03.10-002	Extracted: 03/28/2002 13:45	Analyzed: 03/29/2002 05:22

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CA DHS ELAP#1094

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	1050	846	1250	1250	84.0	67.7	21.5	60-130	25		
Surrogate(s)											
o-Terphenyl	19.3	16.6	20.0	20.0	96.5	83.1		60-130	0		

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3550/8015M

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/01-03.10
LCS: 2002/04/01-03.10-002 Extracted: 04/01/2002 08:31 Analyzed: 04/02/2002 16:01
LCSD: 2002/04/01-03.10-003 Extracted: 04/01/2002 08:31 Analyzed: 04/02/2002 16:38

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	32.7	30.8	41.7	41.7	78.4	73.9	5.9	60-130	25		
Surrogate(s)											
o-Terphenyl	19.1	18.8	20.0	20.0	95.3	94.0		60-130	0		

TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3550/8015M

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Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2002/04/03-03.10
LCS: 2002/04/03-03.10-002	Extracted: 04/03/2002 13:04	Analyzed: 04/04/2002 07:58
LCSD: 2002/04/03-03.10-003	Extracted: 04/03/2002 13:04	Analyzed: 04/04/2002 08:35

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CA DHS ELAP#1094

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Diesel	33.1	33.8	41.7	41.7	79.4	81.1	2.1	60-130	25		
Surrogate(s)											
o-Terphenyl	17.9	18.7	20.0	20.0	89.5	93.3		60-130	0		

Submission #: 2002-03-0496



TEPH w/ Silica Gel Clean-up

Batch QC Report

Test Method: 8015M

Prep Method: 3550/8015M

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CA DHS ELAP#1094

Matrix Spike (MS / MSD)	Soil	QC Batch # 2002/04/01-03.10
Sample ID: MFC-35-1.0-1.5 >> MS		Lab ID: 2002-03-0496-025
MS: 2002/04/01-03.10-004	Extracted: 04/01/2002 08:31	Analyzed: 04/03/2002 21:38
		Dilution: 1
MSD: 2002/04/01-03.10-005	Extracted: 04/01/2002 08:31	Analyzed: 04/03/2002 22:16
		Dilution: 1

Compound	Conc. [mg/Kg]			Exp.Conc.		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD	[%]	Recovery	RPD	MS	MSD
Diesel	55.8	66.7	44.6	41.7	41.5	26.9	53.3	65.8	60-130	25	mso	mso,r
Surrogate(s)												
o-Terphenyl	18.5	20.0		20.0	20.0	92.6	99.8		60-130	0		

TEPH w/ Silica Gel Clean-up

Legend & Notes

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

QC Compound Flags

mso

MS/MSD spike recoveries were out of QC limits due to matrix interference.
Precision and Accuracy were verified by LCS/LCSD.

QC Compound Flags

rpd

Analyte RPD was out of QC limits due to sample heterogeneity.

Analysis Flags

rl

Reporting limits raised due to reduced sample size.

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Analyte Flags

sd

Surrogate recovery not reportable due to required dilution.

Analyte Flags

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

Report # N087-34

Date: 4/04/02

STL San Francisco
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Pleasanton

CA 94566-4756

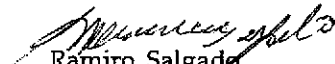
Project: 2002-03-0496

PO#

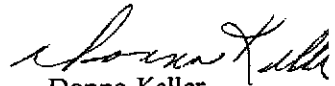
Date Rec'd: 3/28/02
Date Started: 4/04/02
Date Completed: 4/04/02

Date Sampled: 3/25/02
Time:
Sampler:

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
MFC-19-4.0-4.5	N200804	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-31-4.5-5.0	N200805	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-18-4.5-5.0	N200806	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-14-4.0-4.5	N200807	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-37-4.5-5.0	N200808	0.5	LUFT	Organic Lead	ND	mg/Kg


Ramiro Salgado
Chemist

Certification # 1157


Donna Keller
Laboratory Director

GeoAnalytical Laboratories, Inc.

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CERTIFICATE OF ANALYSIS

Report # N087-34

Date: 4/04/02

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Project: 2002-03-0496


Date Rec'd: 3/28/02
Date Started: 4/04/02
Date Completed: 4/04/02

CA 94566-4756

PO#

Date Sampled: 3/25/02
Time:
Sampler:

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
MFC-35-5.0-5.5	N200809	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-15-4.5-5.0	N200810	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-16-4.0-4.5	N200811	0.5	LUFT	Organic Lead	ND	mg/Kg


Ramiro Salgado
Chemist

Certification # 1157


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Laboratory Director

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CERTIFICATE OF ANALYSIS

Report # N087-34

Date: 4/05/02

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1220 Quarry Lane
Pleasanton

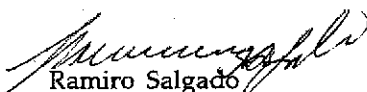
Project: 2002-03-0496

CA 94566-4756 PO#

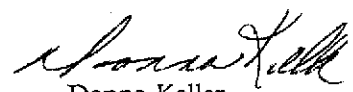
Date Rec'd: 3/28/02
Date Started: 4/04/02
Date Completed: 4/04/02

Date Sampled: 3/25/02
Time:
Sampler:

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
MFC-31-GW	N303295	0.1	LUFT	Organic Lead	ND	mg/L
MFC-14-GW	N303296	0.1	LUFT	Organic Lead	ND	mg/L
MFC-14-GW-DUP	N303297	0.1	LUFT	Organic Lead	ND	mg/L
EB-032502	N303298	0.1	LUFT	Organic Lead	ND	mg/L
MFC-35-GW	N303299	0.1	LUFT	Organic Lead	ND	mg/L
MFC-18-GW	N303300	0.1	LUFT	Organic Lead	ND	mg/L
MFC-19-GW	N303301	0.1	LUFT	Organic Lead	ND	mg/L


Ramiro Salgado
Chemist

Certification # 1157


Donna Keller
Laboratory Director

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

Report# N087-34

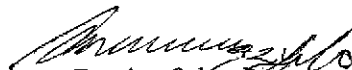
QC REPORT

STL San Francisco
1220 Quarry Lane
Pleasanton

CA 94566-4756

Analyte	Method	Batch #	Dates Analyzed	Orig.	Dupl.	MS %Rec	MSD %Rec	RPD	LCS %Rec	Blank	Comments
Organic Lead	LUFT	I02489	4/04/02	ND	ND	106.0	107.0 *	0.0		ND	

* LCS/LCSD (see comments)


Ramiro Salgado
Chemist

Certification # 1157


Donna Keller
Laboratory Director

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

Report# N087-34


QC REPORT

STL San Francisco
1220 Quarry Lane
Pleasanton

CA 94566-4756

Analyte	Method	Batch #	Dates Analyzed	Orig.	Dupl.	MS %Rec	MSD %Rec	RPD	LCS %Rec	Blank	Comments
Organic Lead	LUFT	I02491	4/04/02			85.0	95.0	11.1		ND	

* LCS/LCSD (see comments)


Ramiro Salgado
Chemist

Certification # 1157


Donna Keller
Laboratory Director

From:
STL San Francisco (CL)
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To:
 GeoAnalytical Labs - SUB CONTRACT ONLY
 1405 Kansas Avenue
 Modesto, CA 95351

Project Manager: Tod Granicher
 Phone: (925) 484-1919
 Fax: (925) 484-1096
 Email: tgranicher@chromalab.com

Phone: (209) 572-0900
 Fax: (209) 572-0916
 Contact: Donna Keller
 Phone: (209) 572-0900

CL Submission #: **2002-03-0496**
 CL PO #:

Project #: 01-201-A
 Project Name: 2225/2277 Seventh St.

Client Sample ID	Off	Sampled	Matrix	Analysis	Method	Due
MFC-19-4.0-4.5	003	03/25/2002 09:30	Soil			N200804
Subcontract - Organic Lead			LUFT			04/04/2002 17:00
MFC-31-4.5-5.0	004	03/25/2002 09:30	Soil			N200805
Subcontract - Organic Lead			LUFT			04/04/2002 17:00
MFC-18-4.5-5.0	009	03/25/2002 11:12	Soil			N200806
Subcontract - Organic Lead			LUFT			04/04/2002 17:00
MFC-31-GW	010	03/25/2002 11:30	Water			N303295
Subcontract - Organic Lead			LUFT			04/04/2002 17:00
MFC-14-4.0-4.5	017	03/25/2002 13:45	Soil			N200807
Subcontract - Organic Lead			LUFT			04/04/2002 17:00
MFC-14-GW	018	03/25/2002 15:35	Water			N303296
Subcontract - Organic Lead			LUFT			04/04/2002 17:00
MFC-14-GW-DUP	019	03/25/2002 15:35	Water			N303297
Subcontract - Organic Lead			LUFT			04/04/2002 17:00

Standard 5-day

RELINQUISHED BY: <i>Denise Harrington</i> Signature D. Harrington Printed Name STL-SF Company Date: 3/28/02	RELINQUISHED BY: <i>R. Azavedo</i> Signature R. AZAVEDO Printed Name GEO Company Time: 14:30 Date: 3-28-02	RELINQUISHED BY: Signature Printed Name Company Time Date
RECEIVED BY: <i>R. Azavedo</i> Signature R. AZAVEDO Printed Name GEO Company Time: 13:15 Date: 3-28-02	RECEIVED BY: <i>Lidia Padilla</i> Signature Lidia Padilla Printed Name GEO Company Time: 14:30 Date: 3-28-02	RECEIVED BY: Signature Printed Name Company Time Date

From:
STL San Francisco (CL)
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To:
 GeoAnalytical Labs - SUB CONTRACT ONLY
 1405 Kansas Avenue
 Modesto, CA 95351

Project Manager: Tod Granicher
 Phone: (925) 484-1919 Ext:
 Fax: (925) 484-1096
 Email: tgranicher@chromalab.com

Phone: (209) 572-0900
 Fax: (209) 572-0916
 Contact: Donna Keller
 Phone: (209) 572-0900

CL Submission #: **2002-03-0496**
 CL PO #:

Project #: 01-201-A
 Project Name: 2225/2277 Seventh St.

Client/Sample ID	CL#	Sampled	Matrix	Due
Analysis			Method	
EB-032502	020	03/25/2002 16:30	Water	N303298
Subcontract - Organic Lead			LUFT	04/04/2002 17:00
MFC-35-GW	021	03/25/2002 17:00	Water	N303299
Subcontract - Organic Lead			LUFT	04/04/2002 17:00
MFC-37-4.5-5.0	024	03/25/2002 14:20	Soil	N200808
Subcontract - Organic Lead			LUFT	04/04/2002 17:00
MFC-35-5.0-5.5	026	03/25/2002 13:45	Soil	N200809
Subcontract - Organic Lead			LUFT	04/04/2002 17:00
MFC-15-4.5-5.0	030	03/25/2002 14:29	Soil	N200810
Subcontract - Organic Lead			LUFT	04/04/2002 17:00
MFC-16-4.0-4.5	033	03/25/2002	Soil	N200811
Subcontract - Organic Lead			LUFT	04/04/2002 17:00
MFC-18-GW	044	03/25/2002	Water	N303300
Subcontract - Organic Lead			LUFT	04/04/2002 17:00

Standard 5-TAT day

RELINQUISHED BY: <i>D. Harrington</i> Signature Time D. Harrington 1315 Printed Name Date STL-SF 3/28/02 Company	RELINQUISHED BY: <i>R. Azavedo</i> Signature Time R. AZAVEDO 3-28-02 Printed Name Date Geo Company	RELINQUISHED BY: Signature Time Printed Name Date Company
RECEIVED BY: <i>R. Azavedo</i> Signature Time R. AZAVEDO 3-28-02 Printed Name Date Geo Company	RECEIVED BY: <i>Lidia Padilla</i> Signature Time Lidia Padilla 3-28-02 Printed Name Date Geo Company	RECEIVED BY: Signature Time Printed Name Date Company

From:
STL San Francisco (CL)
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To:
 GeoAnalytical Labs - SUB CONTRACT ONLY
 1405 Kansas Avenue
 Modesto, CA 95351

Project Manager: Tod Granicher
 Phone: (925) 484-1919 Ext:
 Fax: (925) 484-1096
 Email: tgranicher@chromalab.com

Phone: (209) 572-0900
 Fax: (209) 572-0916
 Contact: Donna Keller
 Phone: (209) 572-0900

CL Submission #: **2002-03-0496**
 CL PO #:

Project #: 01-201-A
 Project Name: 2225/2277 Seventh St.

Client Sample ID	CL#	Sampled	Matrix	Due
Analysis			Method	
MFC-19-GW	045	03/25/2002 10:00	Water	N308301
Subcontract - Organic Lead			LUFT	04/04/2002 17:00

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

Standard 5-day

RELINQUISHED BY: <i>D. Harrington</i> Signature Title D. Harrington 1315 Printed Name Date STL-SF 3/28/02 Company	RELINQUISHED BY: <i>R. Arzvedo</i> 1430 Signature Time R. ARZVEDO 3-28-02 Printed Name Date GEO Company	RELINQUISHED BY: Signature Time Printed Name Date Company
RECEIVED BY: <i>R. Arzvedo</i> 1315 Signature Time R. ARZVEDO 3-28-02 Printed Name Date GEO Company	RECEIVED BY: <i>Lidia Padilla</i> 1430 Signature Time Lidia Padilla 3-28-02 Printed Name Date GEO Company	RECEIVED BY: Signature Time Printed Name Date Company

2002-03-0496

65462 1452

IRIS ENVIRONMENTAL
 1615 Broadway, Suite 1003
 Oakland, CA 94612
 (510) 834-4747
 (510) 834-4199 (fax)

CHAIN-OF-CUSTODY

Date: 03/25/02 Page 1 of 4

Samplers (signature): *SL*

Sample ID	Date	Time	Matrix	Preserv.	Analyses Required										Number of Containers		
					VOLs B2100	SOLs B270	LOCAL METALS CAM 17	Cr 6 7196A	TPH - 9 8015/ BTEX 8020	TEPT 8015	ORGANIC LEADY LUFT						
1 MFC-19-1.0-1.5	03/25	930	SOIL	—		Composite	X	X	X	X							1
2 MFC-19-2.0-2.5		923			X	Composite	X	X	X	X							1
3 MFC-19-4.0-4.5		930			X	Composite	X	X	X	X	X						1
4 MFC-31-4.5-5.0		930			X	Composite	X	X	X	X	X						1
5 MFC-31-1.5-2.0		930			X	Composite	X	X	X	X	X						1
6 MFC-31-3.0-3.5		930			X	Composite	X	X	X	X	X						1
7 MFC-18-3.0-3.5		1045			X	Composite	X	X	X	X	X						1
8 MFC-18-1.5-2.0		1040			X	Composite	X	X	X	X	X						1
9 MFC-18-4.5-5.0		1112			X	Composite	X	X	X	X	X						1
10 MFC-31-6W		1130	AQ.	VARIOUS	X	X			X	X	X						9

Project Information
 Project Name: 2225/2237 Summit St.
 Project Number: 01-201-A
 Contact: EMILY CORWIN
 E-mail: ECORWIN@irisenv.com

Sample Receipt
 # of Containers: _____
 Head space: _____
 Temperature: 6.7°C
 Conforms to Record: _____

Relinquished By:
SL
 (Signature): EMILY CORWIN
 (Name): EMILY CORWIN
 (Company): IRIS-ENVIRONMENTAL

Received By:
Ron Herman
 (Signature): RON HERMAN
 (Name): RON HERMAN
 (Company): WORLD COURIER

Report: Routine Level 2 Level 3 Level 4 Electronic
 TAT: 5-Day 24 48 72 Other:

Special Instructions/Comments:
 * TPHT = D, MO, Jet-A, k w/ si gel demp
 3 coolers - World Courier

Relinquished By:
Ron Herman
 (Signature): RON HERMAN
 (Name): RON HERMAN
 (Company): WORLD COURIER

Received By:
D. Harrington
 (Signature): D. HARRINGTON
 (Name): D. HARRINGTON 1810
 (Company): STL-SF 3/25/02

2002-03-0496

1434

I IRIS ENVIRONMENTAL
 1615 Broadway, Suite 1003
 Oakland, CA 94612
 (510) 834-4747
 (510) 834-4199 (fax)

CHAIN-OF-CUSTODY

Date 03/25/02 Page 2 of 4

Samplers (signature): SL

Sample ID	Date	Time	Matrix	Preserv.	Analyses Required										Number of Containers				
					NO68260	NO68270	TOXIC METALS CAMP-17	Cr 7196A	TPH-G BAST BLEX BOST	TEPH * BOLS	ORGANIC CARBON								
11 MFC-33-GW	3/25	12 ³⁰	AQU.	VARIOUS	X				X	X								7	
12 MFC-33-3.0-3.5		11 ¹⁵	SOIL		X	(Composite)	X	X	X	X								1	
13 MFC-33-5.0-5.5					X		X	X	X	X									1
14 MFC-33-1.5-2.0					X		X	X	X	X									1
15 MFC-18-3.0-3.5		13 ³⁰			X		X	X	X	X									1
16 MFC-18-1.5-2.0		13 ²⁶			X	X	X	X	X									1	
17 MFC-18-4.0-4.5		13 ⁴⁵			X	X	X	X	X									1	
MFC-45-4.0-4.5-DUP		13 ⁴⁵																	
MFC-37-1.5-2.0		14 ²⁰																	

Project Information
 Project Name: 27MST.
 Project Number: 01-201-A
 Contact: Emily Corwin
 E-mail: ecorwin@irisenv.com

Report: (Routine) Level 2 Level 3 Level 4 Electronic
 TAT: (5-Day) 24 48 72 Other:

Sample Receipt
 # of Containers: _____
 Head space: _____
 Temperature: _____
 Conforms to Record: _____

Relinquished By:
SL
 (Signature): _____
 (Name): EMILY CORWIN
 (Company): IRIS ENVIRONMENTAL

Received By:
Ron Herman
 (Signature): _____
 (Name): RON HERMAN
 (Company): WORLD COURIER

Special Instructions/Comments:
 * TEPH = D, mO, jet-A, k, w si gel den-up.

Relinquished By:
Ron Herman
 (Signature): _____
 (Name): RON HERMAN
 (Company): WORLD COURIER

Received By:
D. Harrington
 (Signature): _____
 (Name): D. HARRINGTON 1810
 (Company): STL-SF 3/25/02

2002-03-0496

1436

IRIS ENVIRONMENTAL

CHAIN-OF-CUSTODY

Date: 03/25/02 Page 3 of 4

1615 Broadway, Suite 1003
Oakland, CA 94612
(510) 834-4747
(510) 834-4199 (fax)

Samplers (signature):

SC

Sample ID	Date	Time	Matrix	Preserv.	Analyses Required										Number of Containers			
					VOCs B260	SVOLs B770	Total Metals (sem 17)	Cr 7196A	TPH-S 8015	TPH-X 8020	TEPH* 8015	Organic lead						
18 MFC-14-6W	03/25	15 ³⁵	ATW	VARIOUS	X	X			X	X								9
19 MFC-14-6W-DUP	03/25	15 ³⁵	ATW	—		X							X					2
20 EB-032502		16 ³⁰		VARIOUS	X		X	X	X	X		X						10
21 MFC-35-6W		17 ⁰⁰		VARIOUS	X	X			X	X		X						9
22 TB-032502B		17 ³⁰		HCL	X				X									

Project Information
Project Name: 7th St.
Project Number: 01-201-A
Contact: Emily Corwin
E-mail: ECorwin@irisenv.com

Sample Receipt
of Containers: _____
Head space: _____
Temperature: _____
Conforms to Record: _____

Relinquished By: *SC*
(Signature): _____
(Name): EMILY CORWIN
(Company): IRIS ENVIRONMENTAL

Received By: *Ron Herman*
(Signature): _____
(Name): RON HERMAN
(Company): WORLD COURIER

Report: (Routine / Level 2 / Level 3 / Level 4 / Electronic)
TAT: (5-Day) 24 48 72 Other: _____

Special Instructions/Comments:
* TEPH = D, mo, jet-A, k w Si gel clean-up.

Relinquished By: *Ron Herman*
(Signature): _____
(Name): RON HERMAN
(Company): WORLD COURIER

Received By: *D. Harrington*
(Signature): _____
(Name): D. HARRINGTON 1810
(Company): STL-SF 3/25/02

2002-03-0496

1435

IRIS ENVIRONMENTAL

1615 Broadway, Suite 1003
Oakland, CA 94612
(510) 834-4747
(510) 834-4199 (fax)

CHAIN-OF-CUSTODY

Date: 03/25/02 Page 4 of 4

Samplers (signature): *SG*

Analyses Required

Sample ID	Date	Time	Matrix	Preserv.	VOCs 8260	Semi-VOCs 8270	TOTAL METALS CAN 17	Cr 6 7196A	Pb 7191B	Cu 7192B	Zn 7193B	Mn 7194B	Cd 7195B	As 7196B	Se 7197B	Hg 7198B	Pb 7199B	Organic Lead	Number of Containers
23 MFC-37-1.5-2.0	3/25	1420	SOIL	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
24 MFC-37-4.5-5.0		1420		-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
<i>Wavy line through row 25</i>																			
26 MFC-35-1.0-1.5		1330		-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
27 MFC-35-5.0-5.5		1345		-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
28 MFC-35-2.0-2.5		1350		-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
29 MFC-15-3.0-3.5		1417		-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
30 MFC-15-1.5-2.0		1415		-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
31 MFC-15-4.5-5.0		1429		-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
32 MFC-15-4.5-5.0 DUP		1430		-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Project Information
 Project Name: PORT OF OAKLAND - 7th St.
 Project Number: 01-201-A
 Contact: EMILY COLWIN
 E-mail: ecolwin@irisenv.com

Sample Receipt
 # of Containers: _____
 Head space: _____
 Temperature: _____
 Conforms to Record: _____

Relinquished By: *Emily Colwin*
 (Signature): _____
 (Name): EMILY COLWIN
 (Company): IRIS ENVIRONMENTAL

Received By: *Ron Herman*
 (Signature): _____
 (Name): RON HERMAN
 (Company): WORLD CURRIER

Report: Routine Level 2 Level 3 Level 4 Electronic
 TAT: 5-Day 24 48 72 Other: _____

Special Instructions/Comments:
 * TEPH = D, m, g, jet-A, k w/ Si gel clean-up.

Relinquished By: *Ron Herman*
 (Signature): _____
 (Name): RON HERMAN
 (Company): WORLD CURRIER

Received By: *D. Harrington*
 (Signature): _____
 (Name): D. Harrington 1810
 (Company): STL-SF 3/25/02



Sample Receipt Checklist

STL San Francisco

Client Name: IRIS ENV. Date/Time Received: 03/25/02 1810
Date / Time

Reference/Subm #: 02-03-0496 Received by: DH

Checklist completed by: C Rowley 03/26/02 Reviewed By: _____
Signature / Date Initial/Date

Matrix: Soil Water Other _____ Carrier name: Client - STL SF - _____

- Shipping container/cooler in good condition? Yes ___ No ___ Not Present ___
- Custody seals intact on shipping container/cooler? Yes ___ No ___ Not Present ___
- Custody seals intact on sample bottles? Yes ___ No ___ Not Present ___
- Chain of custody present? Yes ___ No ___
- Chain of custody signed when relinquished and received? Yes ___ No ___
- Chain of custody agrees with sample labels? Yes ___ No X
- Samples in proper container/bottle? Yes ___ No ___
- Sample containers intact? Yes ___ No ___
- Sufficient sample volume for indicated test? Yes ___ No ___
- All samples received within holding time? Yes ___ No ___
- Container/Temp Blank temperature in compliance? Temp 6.7 °C Yes ___ No ___
- Water - VOA vials have zero headspace? No VOA vials submitted ___ Yes ___ No ___

Water - pH acceptable upon receipt? Yes No Checked by VOA chemist
 pH adjusted- Preservative used: HNO₃ HCl H₂SO₄ NaOH ZnOAc Lot#(s) _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.
=====

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: The following were rec'd but not listed on COC:
SOIL "MFC-31-5.0-5.5@0930, WATERS MFC18-GW, MFC-
19-GW, TB-032502A + TB-032502C

Corrective Action: Send soil "MFC-31-5.0-5.5@0930" back to client on 3-27.

Rev Run TB's for 8260, Gas
forms\sample control\smprchk 2002.doc

3/4 MFC18-GW 9 VOC, TPH, SVOC, OPB, TEPA
2/4 MFC19-GW 4 ↓ ↓ ↓ ↓ ↓

Submission #: 2002-03-0504

Date: March 28, 2002

SEVERN
TRENT
SERVICES

Iris Environmental

1615 Broadway, Suite 1003
Oakland, CA 94612

Attn: Chris Alger

Project: 01-201-A
Port of Oakland

Site: Port of Oakland

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

Attached is our report for your samples received on Tuesday March 26, 2002
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
May 10, 2002 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@chromalab.com

Sincerely,



Tod Granicher
Project Manager

Submission #: 2002-03-0504

Volatile Organic Compounds by 8260B (Low Level)

**SEVERN
TRENT
SERVICES**

Iris Environmental	☒ 1615 Broadway, Suite 1003 Oakland, CA 94612
Attn: Chris Alger	Phone: (510) 834-4747 Fax: (510) 834-4199
01-201-A	Project: Port of Oakland
Site Port of Oakland	

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-31-4.0	Air	03/25/2002 10:15	1
MFC-37-4.0	Air	03/25/2002 15:15	2
MFC-35-4.0	Air	03/25/2002 15:30	3
MFC-33-4.0	Air	03/25/2002 15:45	4

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-31-4.0	Lab Sample ID: 2002-03-0504-001
Project: 01-201-A Port of Oakland	Received: 03/26/2002 15:45
Site: Port of Oakland	Extracted: 03/27/2002 14:18
Sampled: 03/25/2002 10:15	QC-Batch: 2002/03/27-01.60
Matrix: Air	

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/27/2002 14:18	
Acetone	ND	50	ug/L	1.00	03/27/2002 14:18	
Benzene	1.0	0.50	ug/L	1.00	03/27/2002 14:18	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Bromobenzene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
Bromochloromethane	ND	1.0	ug/L	1.00	03/27/2002 14:18	
Bromoform	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Bromomethane	ND	1.0	ug/L	1.00	03/27/2002 14:18	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/27/2002 14:18	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
Carbon disulfide	ND	5.0	ug/L	1.00	03/27/2002 14:18	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Chlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Chloroethane	ND	1.0	ug/L	1.00	03/27/2002 14:18	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/27/2002 14:18	
Chloroform	ND	1.0	ug/L	1.00	03/27/2002 14:18	
Chloromethane	ND	1.0	ug/L	1.00	03/27/2002 14:18	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/27/2002 14:18	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/27/2002 14:18	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Dibromomethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/27/2002 14:18	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-31-4.0	Lab Sample ID: 2002-03-0504-001
Project: 01-201-A Port of Oakland	Received: 03/26/2002 15:45
Site: Port of Oakland	Extracted: 03/27/2002 14:18
Sampled: 03/25/2002 10:15	QC-Batch: 2002/03/27-01.60
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Ethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
2-Hexanone	ND	50	ug/L	1.00	03/27/2002 14:18	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
Methylene chloride	ND	5.0	ug/L	1.00	03/27/2002 14:18	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/27/2002 14:18	
Naphthalene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
Styrene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Toluene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/27/2002 14:18	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Trichloroethene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/27/2002 14:18	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/27/2002 14:18	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Vinyl acetate	ND	25	ug/L	1.00	03/27/2002 14:18	
Vinyl chloride	ND	0.50	ug/L	1.00	03/27/2002 14:18	
Total xylenes	ND	1.0	ug/L	1.00	03/27/2002 14:18	
Surrogate(s)						
4-Bromofluorobenzene	95.7	86-115	%	1.00	03/27/2002 14:18	
1,2-Dichloroethane-d4	100.2	76-114	%	1.00	03/27/2002 14:18	
Toluene-d8	93.6	88-110	%	1.00	03/27/2002 14:18	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-37-4.0	Lab Sample ID: 2002-03-0504-002
Project: 01-201-A Port of Oakland	Received: 03/26/2002 15:45
Site: Port of Oakland	Extracted: 03/27/2002 15:22
Sampled: 03/25/2002 15:15	QC-Batch: 2002/03/27-01.60
Matrix: Air	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/27/2002 15:22	
Acetone	ND	50	ug/L	1.00	03/27/2002 15:22	
Benzene	0.53	0.50	ug/L	1.00	03/27/2002 15:22	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Bromobenzene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
Bromochloromethane	ND	1.0	ug/L	1.00	03/27/2002 15:22	
Bromoform	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Bromomethane	ND	1.0	ug/L	1.00	03/27/2002 15:22	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/27/2002 15:22	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
Carbon disulfide	ND	5.0	ug/L	1.00	03/27/2002 15:22	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Chlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Chloroethane	ND	1.0	ug/L	1.00	03/27/2002 15:22	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/27/2002 15:22	
Chloroform	ND	1.0	ug/L	1.00	03/27/2002 15:22	
Chloromethane	ND	1.0	ug/L	1.00	03/27/2002 15:22	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/27/2002 15:22	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/27/2002 15:22	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Dibromomethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/27/2002 15:22	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-37-4.0	Lab Sample ID: 2002-03-0504-002
Project: 01-201-A Port of Oakland	Received: 03/26/2002 15:45
Site: Port of Oakland	Extracted: 03/27/2002 15:22
Sampled: 03/25/2002 15:15	QC-Batch: 2002/03/27-01.60
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Ethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
2-Hexanone	ND	50	ug/L	1.00	03/27/2002 15:22	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
Methylene chloride	ND	5.0	ug/L	1.00	03/27/2002 15:22	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/27/2002 15:22	
Naphthalene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
Styrene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Toluene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/27/2002 15:22	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Trichloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/27/2002 15:22	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/27/2002 15:22	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Vinyl acetate	ND	25	ug/L	1.00	03/27/2002 15:22	
Vinyl chloride	ND	0.50	ug/L	1.00	03/27/2002 15:22	
Total xylenes	ND	1.0	ug/L	1.00	03/27/2002 15:22	
Surrogate(s)						
4-Bromofluorobenzene	99.2	86-115	%	1.00	03/27/2002 15:22	
1,2-Dichloroethane-d4	101.9	76-114	%	1.00	03/27/2002 15:22	
Toluene-d8	97.5	88-110	%	1.00	03/27/2002 15:22	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

STL San Francisco
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Sample ID: MFC-35-4.0	Lab Sample ID: 2002-03-0504-003
Project: 01-201-A Port of Oakland	Received: 03/26/2002 15:45
Site: Port of Oakland	Extracted: 03/27/2002 15:52
Sampled: 03/25/2002 15:30	QC-Batch: 2002/03/27-01.06
Matrix: Air	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/27/2002 15:52	
Acetone	ND	50	ug/L	1.00	03/27/2002 15:52	
Benzene	0.50	0.50	ug/L	1.00	03/27/2002 15:52	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Bromobenzene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
Bromochloromethane	ND	1.0	ug/L	1.00	03/27/2002 15:52	
Bromoform	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Bromomethane	ND	1.0	ug/L	1.00	03/27/2002 15:52	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/27/2002 15:52	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
Carbon disulfide	ND	5.0	ug/L	1.00	03/27/2002 15:52	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Chlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Chloroethane	ND	1.0	ug/L	1.00	03/27/2002 15:52	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/27/2002 15:52	
Chloroform	ND	1.0	ug/L	1.00	03/27/2002 15:52	
Chloromethane	ND	1.0	ug/L	1.00	03/27/2002 15:52	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/27/2002 15:52	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/27/2002 15:52	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Dibromomethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/27/2002 15:52	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

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CA DHS ELAP#1094

Sample ID: MFC-35-4.0	Lab Sample ID: 2002-03-0504-003
Project: 01-201-A Port of Oakland	Received: 03/26/2002 15:45
Site: Port of Oakland	Extracted: 03/27/2002 15:52
Sampled: 03/25/2002 15:30	QC-Batch: 2002/03/27-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Ethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
2-Hexanone	ND	50	ug/L	1.00	03/27/2002 15:52	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
Methylene chloride	ND	5.0	ug/L	1.00	03/27/2002 15:52	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/27/2002 15:52	
Naphthalene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
Styrene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Toluene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/27/2002 15:52	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Trichloroethene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/27/2002 15:52	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/27/2002 15:52	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Vinyl acetate	ND	25	ug/L	1.00	03/27/2002 15:52	
Vinyl chloride	ND	0.50	ug/L	1.00	03/27/2002 15:52	
Total xylenes	ND	1.0	ug/L	1.00	03/27/2002 15:52	
Surrogate(s)						
4-Bromofluorobenzene	100.0	86-115	%	1.00	03/27/2002 15:52	
1,2-Dichloroethane-d4	88.7	76-114	%	1.00	03/27/2002 15:52	
Toluene-d8	97.8	88-110	%	1.00	03/27/2002 15:52	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

STL San Francisco
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Pleasanton, CA 94566

Sample ID: MFC-33-4.0	Lab Sample ID: 2002-03-0504-004
Project: 01-201-A Port of Oakland	Received: 03/26/2002 15:45
Site: Port of Oakland	Extracted: 03/27/2002 16:29
Sampled: 03/25/2002 15:45	QC-Batch: 2002/03/27-01.06
Matrix: Air	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/27/2002 16:29	
Acetone	ND	50	ug/L	1.00	03/27/2002 16:29	
Benzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Bromobenzene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
Bromochloromethane	ND	1.0	ug/L	1.00	03/27/2002 16:29	
Bromoform	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Bromomethane	ND	1.0	ug/L	1.00	03/27/2002 16:29	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/27/2002 16:29	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
Carbon disulfide	ND	5.0	ug/L	1.00	03/27/2002 16:29	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Chlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Chloroethane	ND	1.0	ug/L	1.00	03/27/2002 16:29	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/27/2002 16:29	
Chloroform	ND	1.0	ug/L	1.00	03/27/2002 16:29	
Chloromethane	ND	1.0	ug/L	1.00	03/27/2002 16:29	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/27/2002 16:29	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/27/2002 16:29	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Dibromomethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/27/2002 16:29	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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CA DHS ELAP#1094

Sample ID: MFC-33-4.0	Lab Sample ID: 2002-03-0504-004
Project: 01-201-A Port of Oakland	Received: 03/26/2002 15:45
Site: Port of Oakland	Extracted: 03/27/2002 16:29
Sampled: 03/25/2002 15:45	QC-Batch: 2002/03/27-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Ethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
2-Hexanone	ND	50	ug/L	1.00	03/27/2002 16:29	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
Methylene chloride	ND	5.0	ug/L	1.00	03/27/2002 16:29	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/27/2002 16:29	
Naphthalene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
Styrene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Toluene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/27/2002 16:29	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Trichloroethene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/27/2002 16:29	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/27/2002 16:29	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Vinyl acetate	ND	25	ug/L	1.00	03/27/2002 16:29	
Vinyl chloride	ND	0.50	ug/L	1.00	03/27/2002 16:29	
Total xylenes	ND	1.0	ug/L	1.00	03/27/2002 16:29	
Surrogate(s)						
4-Bromofluorobenzene	101.9	86-115	%	1.00	03/27/2002 16:29	
1,2-Dichloroethane-d4	102.5	76-114	%	1.00	03/27/2002 16:29	
Toluene-d8	101.3	88-110	%	1.00	03/27/2002 16:29	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank	Water	QC Batch # 2002/03/27-01.06
MB: 2002/03/27-01.06-004		Date Extracted: 03/27/2002 12:46

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	03/27/2002 12:46	
Acetone	ND	50	ug/L	03/27/2002 12:46	
Benzene	ND	0.5	ug/L	03/27/2002 12:46	
Bromodichloromethane	ND	0.5	ug/L	03/27/2002 12:46	
Bromobenzene	ND	1.0	ug/L	03/27/2002 12:46	
Bromochloromethane	ND	1.0	ug/L	03/27/2002 12:46	
Bromoform	ND	0.5	ug/L	03/27/2002 12:46	
Bromomethane	ND	1.0	ug/L	03/27/2002 12:46	
2-Butanone(MEK)	ND	50	ug/L	03/27/2002 12:46	
n-Butylbenzene	ND	1.0	ug/L	03/27/2002 12:46	
sec-Butylbenzene	ND	1.0	ug/L	03/27/2002 12:46	
tert-Butylbenzene	ND	1.0	ug/L	03/27/2002 12:46	
Carbon disulfide	ND	5.0	ug/L	03/27/2002 12:46	
Carbon tetrachloride	ND	0.5	ug/L	03/27/2002 12:46	
Chlorobenzene	ND	0.5	ug/L	03/27/2002 12:46	
Chloroethane	ND	1.0	ug/L	03/27/2002 12:46	
2-Chloroethylvinyl ether	ND	5.0	ug/L	03/27/2002 12:46	
Chloroform	ND	1.0	ug/L	03/27/2002 12:46	
Chloromethane	ND	1.0	ug/L	03/27/2002 12:46	
2-Chlorotoluene	ND	0.5	ug/L	03/27/2002 12:46	
4-Chlorotoluene	ND	0.5	ug/L	03/27/2002 12:46	
Dibromochloromethane	ND	0.5	ug/L	03/27/2002 12:46	
1,2-Dichlorobenzene	ND	0.5	ug/L	03/27/2002 12:46	
1,3-Dichlorobenzene	ND	0.5	ug/L	03/27/2002 12:46	
1,4-Dichlorobenzene	ND	0.5	ug/L	03/27/2002 12:46	
1,3-Dichloropropane	ND	1.0	ug/L	03/27/2002 12:46	
2,2-Dichloropropane	ND	0.5	ug/L	03/27/2002 12:46	
1,1-Dichloropropene	ND	0.5	ug/L	03/27/2002 12:46	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/27/2002 12:46	
1,2-Dibromoethane	ND	0.5	ug/L	03/27/2002 12:46	
Dibromomethane	ND	0.5	ug/L	03/27/2002 12:46	
Dichlorodifluoromethane	ND	0.5	ug/L	03/27/2002 12:46	
1,1-Dichloroethane	ND	0.5	ug/L	03/27/2002 12:46	
1,2-Dichloroethane	ND	0.5	ug/L	03/27/2002 12:46	
1,1-Dichloroethene	ND	0.5	ug/L	03/27/2002 12:46	
cis-1,2-Dichloroethene	ND	0.5	ug/L	03/27/2002 12:46	
trans-1,2-Dichloroethene	ND	0.5	ug/L	03/27/2002 12:46	
1,2-Dichloropropane	ND	0.5	ug/L	03/27/2002 12:46	
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/27/2002 12:46	
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/27/2002 12:46	
Ethylbenzene	ND	0.5	ug/L	03/27/2002 12:46	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank	Water	QC Batch # 2002/03/27-01.06
MB: 2002/03/27-01.06-004		Date Extracted: 03/27/2002 12:46

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	03/27/2002 12:46	
2-Hexanone	ND	50	ug/L	03/27/2002 12:46	
Isopropylbenzene	ND	0.5	ug/L	03/27/2002 12:46	
p-Isopropyltoluene	ND	1.0	ug/L	03/27/2002 12:46	
Methylene chloride	ND	5.0	ug/L	03/27/2002 12:46	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	03/27/2002 12:46	
Naphthalene	ND	1.0	ug/L	03/27/2002 12:46	
n-Propylbenzene	ND	1.0	ug/L	03/27/2002 12:46	
Styrene	ND	0.5	ug/L	03/27/2002 12:46	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	03/27/2002 12:46	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/27/2002 12:46	
Tetrachloroethene	ND	0.5	ug/L	03/27/2002 12:46	
Toluene	ND	0.5	ug/L	03/27/2002 12:46	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/27/2002 12:46	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/27/2002 12:46	
1,1,1-Trichloroethane	ND	0.5	ug/L	03/27/2002 12:46	
1,1,2-Trichloroethane	ND	0.5	ug/L	03/27/2002 12:46	
Trichloroethene	ND	0.5	ug/L	03/27/2002 12:46	
Trichlorofluoromethane	ND	1.0	ug/L	03/27/2002 12:46	
Trichlorotrifluoroethane	ND	0.5	ug/L	03/27/2002 12:46	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	03/27/2002 12:46	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	03/27/2002 12:46	
Vinyl acetate	ND	25	ug/L	03/27/2002 12:46	
Vinyl chloride	ND	0.5	ug/L	03/27/2002 12:46	
Total xylenes	ND	1.0	ug/L	03/27/2002 12:46	
Surrogate(s)					
4-Bromofluorobenzene	103.5	86-115	%	03/27/2002 12:46	
1,2-Dichloroethane-d4	102.3	76-114	%	03/27/2002 12:46	
Toluene-d8	101.2	88-110	%	03/27/2002 12:46	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

 STL San Francisco
 1220 Quary Lane
 Pleasanton, CA 94566

Method Blank

Water

QC Batch # 2002/03/27-01.60

MB: 2002/03/27-01.60-044

Date Extracted: 03/27/2002 13:44

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	03/27/2002 13:44	
Acetone	ND	50	ug/L	03/27/2002 13:44	
Benzene	ND	0.5	ug/L	03/27/2002 13:44	
Bromodichloromethane	ND	0.5	ug/L	03/27/2002 13:44	
Bromobenzene	ND	1.0	ug/L	03/27/2002 13:44	
Bromochloromethane	ND	1.0	ug/L	03/27/2002 13:44	
Bromofom	ND	0.5	ug/L	03/27/2002 13:44	
Bromomethane	ND	1.0	ug/L	03/27/2002 13:44	
2-Butanone(MEK)	ND	50	ug/L	03/27/2002 13:44	
n-Butylbenzene	ND	1.0	ug/L	03/27/2002 13:44	
sec-Butylbenzene	ND	1.0	ug/L	03/27/2002 13:44	
tert-Butylbenzene	ND	1.0	ug/L	03/27/2002 13:44	
Carbon disulfide	ND	5.0	ug/L	03/27/2002 13:44	
Carbon tetrachloride	ND	0.5	ug/L	03/27/2002 13:44	
Chlorobenzene	ND	0.5	ug/L	03/27/2002 13:44	
Chloroethane	ND	1.0	ug/L	03/27/2002 13:44	
2-Chloroethylvinyl ether	ND	5.0	ug/L	03/27/2002 13:44	
Chloroform	ND	1.0	ug/L	03/27/2002 13:44	
Chloromethane	ND	1.0	ug/L	03/27/2002 13:44	
2-Chlorotoluene	ND	0.5	ug/L	03/27/2002 13:44	
4-Chlorotoluene	ND	0.5	ug/L	03/27/2002 13:44	
Dibromochloromethane	ND	0.5	ug/L	03/27/2002 13:44	
1,2-Dichlorobenzene	ND	0.5	ug/L	03/27/2002 13:44	
1,3-Dichlorobenzene	ND	0.5	ug/L	03/27/2002 13:44	
1,4-Dichlorobenzene	ND	0.5	ug/L	03/27/2002 13:44	
1,3-Dichloropropane	ND	1.0	ug/L	03/27/2002 13:44	
2,2-Dichloropropane	ND	0.5	ug/L	03/27/2002 13:44	
1,1-Dichloropropene	ND	0.5	ug/L	03/27/2002 13:44	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/27/2002 13:44	
1,2-Dibromoethane	ND	0.5	ug/L	03/27/2002 13:44	
Dibromomethane	ND	0.5	ug/L	03/27/2002 13:44	
Dichlorodifluoromethane	ND	0.5	ug/L	03/27/2002 13:44	
1,1-Dichloroethane	ND	0.5	ug/L	03/27/2002 13:44	
1,2-Dichloroethane	ND	0.5	ug/L	03/27/2002 13:44	
1,1-Dichloroethene	ND	0.5	ug/L	03/27/2002 13:44	
cis-1,2-Dichloroethene	ND	0.5	ug/L	03/27/2002 13:44	
trans-1,2-Dichloroethene	ND	0.5	ug/L	03/27/2002 13:44	
1,2-Dichloropropane	ND	0.5	ug/L	03/27/2002 13:44	
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/27/2002 13:44	
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/27/2002 13:44	
Ethylbenzene	ND	0.5	ug/L	03/27/2002 13:44	

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank	Water	QC Batch # 2002/03/27-01.60
MB: 2002/03/27-01.60-044		Date Extracted: 03/27/2002 13:44

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	03/27/2002 13:44	
2-Hexanone	ND	50	ug/L	03/27/2002 13:44	
Isopropylbenzene	ND	0.5	ug/L	03/27/2002 13:44	
p-Isopropyltoluene	ND	1.0	ug/L	03/27/2002 13:44	
Methylene chloride	ND	5.0	ug/L	03/27/2002 13:44	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	03/27/2002 13:44	
Naphthalene	ND	1.0	ug/L	03/27/2002 13:44	
n-Propylbenzene	ND	1.0	ug/L	03/27/2002 13:44	
Styrene	ND	0.5	ug/L	03/27/2002 13:44	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	03/27/2002 13:44	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/27/2002 13:44	
Tetrachloroethene	ND	0.5	ug/L	03/27/2002 13:44	
Toluene	ND	0.5	ug/L	03/27/2002 13:44	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/27/2002 13:44	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/27/2002 13:44	
1,1,1-Trichloroethane	ND	0.5	ug/L	03/27/2002 13:44	
1,1,2-Trichloroethane	ND	0.5	ug/L	03/27/2002 13:44	
Trichloroethene	ND	0.5	ug/L	03/27/2002 13:44	
Trichlorofluoromethane	ND	1.0	ug/L	03/27/2002 13:44	
Trichlorotrifluoroethane	ND	0.5	ug/L	03/27/2002 13:44	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	03/27/2002 13:44	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	03/27/2002 13:44	
Vinyl acetate	ND	25	ug/L	03/27/2002 13:44	
Vinyl chloride	ND	0.5	ug/L	03/27/2002 13:44	
Total xylenes	ND	1.0	ug/L	03/27/2002 13:44	
Surrogate(s)					
4-Bromofluorobenzene	100.8	86-115	%	03/27/2002 13:44	
1,2-Dichloroethane-d4	104.6	76-114	%	03/27/2002 13:44	
Toluene-d8	99.8	88-110	%	03/27/2002 13:44	



Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/27-01.06
 LCS: 2002/03/27-01.06-002 Extracted: 03/27/2002 11:40 Analyzed: 03/27/2002 11:40
 LCSD: 2002/03/27-01.06-003 Extracted: 03/27/2002 12:10 Analyzed: 03/27/2002 12:10

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Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	54.5	53.5	50.0	50.0	109.0	107.0	1.9	69-129	20		
Chlorobenzene	47.2	45.9	50.0	50.0	94.4	91.8	2.8	61-121	20		
1,1-Dichloroethene	57.1	55.0	50.0	50.0	114.2	110.0	3.7	65-125	20		
Toluene	53.1	52.3	50.0	50.0	106.2	104.6	1.5	70-130	20		
Trichloroethene	52.1	50.1	50.0	50.0	104.2	100.2	3.9	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	523	523	500	500	104.6	104.6		86-115			
1,2-Dichloroethane-d4	479	489	500	500	95.8	97.8		76-114			
Toluene-d8	502	502	500	500	100.4	100.4		88-110			

Submission #: 2002-03-0504



Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/27-01.60
 LCS: 2002/03/27-01.60-037 Extracted: 03/27/2002 12:37 Analyzed: 03/27/2002 12:37
 LCSD: 2002/03/27-01.60-011 Extracted: 03/27/2002 13:11 Analyzed: 03/27/2002 13:11

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CA DHS ELAP#1094

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	20.0	19.1	20.0	20.0	100.0	95.5	4.6	69-129	20		
Chlorobenzene	20.9	21.5	20.0	20.0	104.5	107.5	2.8	61-121	20		
1,1-Dichloroethene	18.8	18.7	20.0	20.0	93.0	93.5	0.5	65-125	20		
Toluene	19.5	18.6	20.0	20.0	97.5	93.0	4.7	70-130	20		
Trichloroethene	18.5	18.1	20.0	20.0	92.5	90.5	2.2	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	506	526	500	500	101.2	105.2		88-115			
1,2-Dichloroethane-d4	474	459	500	500	94.8	91.8		76-114			
Toluene-d8	476	489	500	500	95.2	93.8		88-110			

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STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

April 9, 2002

STL LOT NUMBER: M2C310102
PO/CONTRACT: 2002-03-0504

Tod Granicher
STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Dear Mr. Granicher:

This report contains the analytical results for the four samples received under chain of custody by STL Los Angeles on March 28, 2002. These samples are associated with your **Port of Oakland** project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA.

Any matrix related anomaly is footnoted within the report. All applicable quality control procedures met method-specified acceptance criteria except as noted on the following page.

Preliminary results were sent to your attention on April 5, 2002.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000028 pages.

000001

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STL Los Angeles

1721 South Grand Avenue
Santa Ana, CA 92705-4808

Tel: 714 258 8610

Fax: 714 258 0921

www.stl-inc.com

CASE NARRATIVE

Samples were analyzed also for TPH as Gasoline (EPA TO-3) which were not listed on the chain of custody, per your request.

If you have any questions, please feel free to call me at (714) 258-8610.

Sincerely,



Marisol Tabirara
Project Manager

cc: Project File

000002

MZC310102

From: **STL San Francisco (CL)**
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To: **STL Los Angeles - Sub contract**
 1721 South Grand Avenue
 Santa Ana, CA 92705

Project Manager: Tod Granicher
 Phone: (925) 484-1919 Ext:
 Fax: (925) 484-1096
 Email: tgranicher@chromalab.com

Phone: (714) 258-8610
 Fax: (714) 258-0921
 Contact: Sample Control
 Phone: (714) 258-8610

CL Submission #: **2002-03-0504**

Project #: 01-201-A

CL PO #:

Project Name: Port of Oakland

Client Sample ID	CL#	Sampled	Matrix	Analysis	Method	Due
MFC-31-4.0	001	03/25/2002 10:15	Air			
Subcontract - CH4, O2, N2, CO, CO2 in air			D1946			04/05/2002 17:00
MFC-37-4.0	002	03/25/2002 15:15	Air			
Subcontract - CH4, O2, N2, CO, CO2 in air			D1946			04/05/2002 17:00
MFC-35-4.0	003	03/25/2002 15:30	Air			
Subcontract - CH4, O2, N2, CO, CO2 in air			D1946			04/05/2002 17:00
MFC-33-4.0	004	03/25/2002 15:45	Air			
Subcontract - CH4, O2, N2, CO, CO2 in air			D1946			04/05/2002 17:00

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

TAT per agreement

RELINQUISHED BY: 1. <i>Crowley</i> 13/6 Signature Time <i>Roxeyo</i> 03/27/02 Printed Name Date STL Company	RELINQUISHED BY: 2. Signature Time Printed Name Date Company	RELINQUISHED BY: 3. Signature Time Printed Name Date Company
RECEIVED BY: 1. <i>KFREITAG</i> 1030 Signature Time Printed Name Date STL L.A. Company	RECEIVED BY: 2. Signature Time Printed Name Date Company	RECEIVED BY: 3. Signature Time Printed Name Date Company

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Analytical Report

000008

ANALYTICAL REPORT

PROJECT NO. 01-201-A

Port of Oakland

Lot #: M2C310102

Tod Granicher

STL San Francisco

SEVERN TRENT LABORATORIES, INC.

Marisol Tabirara
Project Manager

April 9, 2002

000009

EXECUTIVE SUMMARY - Detection Highlights

M2C310102

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MFC-31-4.0 03/25/02 10:15 001				
Carbon dioxide	2.1	0.043	% (v/v)	ASTM D1946
Oxygen	12	0.43	% (v/v)	ASTM D1946
Nitrogen	55	4.3	% (v/v)	ASTM D1946
Methane	38	0.00085	% (v/v)	ASTM D1946
TPH (as Gasoline)	290	16	ppm(v/v)	EPA-19 TO-3
MFC-37-4.0 03/25/02 15:15 002				
Carbon dioxide	7.1	0.028	% (v/v)	ASTM D1946
Oxygen	10	0.28	% (v/v)	ASTM D1946
Nitrogen	70	2.8	% (v/v)	ASTM D1946
Methane	18	0.00055	% (v/v)	ASTM D1946
TPH (as Gasoline)	140	10	ppm(v/v)	EPA-19 TO-3
MFC-35-4.0 03/25/02 15:30 003				
Carbon dioxide	3.8	0.020	% (v/v)	ASTM D1946
Oxygen	16	0.20	% (v/v)	ASTM D1946
Nitrogen	65	2.0	% (v/v)	ASTM D1946
Methane	19	0.00041	% (v/v)	ASTM D1946
TPH (as Gasoline)	170	7.7	ppm(v/v)	EPA-19 TO-3
MFC-33-4.0 03/25/02 15:45 004				
Carbon dioxide	1.8	0.025	% (v/v)	ASTM D1946
Oxygen	18	0.25	% (v/v)	ASTM D1946
Nitrogen	69	2.5	% (v/v)	ASTM D1946
Methane	17	0.00049	% (v/v)	ASTM D1946
TPH (as Gasoline)	140	9.2	ppm(v/v)	EPA-19 TO-3

000010

ANALYTICAL METHODS SUMMARY

M2C310102

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Fixed Gases	ASTM D1946
TPH by TO-3	EPA-19 TO-3

References:

- ASTM Annual Book Of ASTM Standards.
- EPA-19 "Compendium of Methods for the Determination of Toxic
Organic Compounds in Ambient Air", EPA/600/4-89/017,
January 1988

000011

From: **STL San Francisco (CL)**
 1220 Quarry Lane
 Pleasanton, CA 94566-4756

To: **STL Los Angeles - Sub contract**
 1721 South Grand Avenue
 Santa Ana, CA 92705

M2C310102

Project Manager: Tod Granicher
 Phone: (925) 484-1919 Ext:
 Fax: (925) 484-1096
 Email: tgranicher@chromalab.com

Phone: (714) 258-8610
 Fax: (714) 258-0921
 Contact: Sample Control
 Phone: (714) 258-8610

CL Submission #: **2002-03-0504**
 CL PO #:

Project #: 01-201-A
 Project Name: Port of Oakland

Client Sample ID	CL#	Sampled	Matrix	Analysis	Method	Due
MFC-31-4.0	001	03/25/2002 10:15	Air			
Subcontract - CH4, O2, N2, CO, CO2 in air			D1946			04/05/2002 17:00
MFC-37-4.0	002	03/25/2002 15:15	Air			
Subcontract - CH4, O2, N2, CO, CO2 in air			D1946			04/05/2002 17:00
MFC-35-4.0	003	03/25/2002 15:30	Air			
Subcontract - CH4, O2, N2, CO, CO2 in air			D1946			04/05/2002 17:00
MFC-33-4.0	004	03/25/2002 15:45	Air			
Subcontract - CH4, O2, N2, CO, CO2 in air			D1946			04/05/2002 17:00

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

TAT per agreement

RELINQUISHED BY: Signature: <i>Crowley</i> Time: 1316 Printed Name: <i>Crowley</i> Date: 03/29/02 Company: STL	1.	RELINQUISHED BY: Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____	2.	RELINQUISHED BY: Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____	3.
RECEIVED BY: Signature: <i>K. Freitag</i> Time: 1030 Printed Name: <i>K. Freitag</i> Date: 3/28/02 Company: STL L.A.	1.	RECEIVED BY: Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____	2.	RECEIVED BY: Signature: _____ Time: _____ Printed Name: _____ Date: _____ Company: _____	3.

000003



CANISTER FIELD DATA RECORD

CLIENT: STL S/F
 CANISTER SERIAL #: 6087
 DATE CLEANED: 03-13-02 B
 CLIENT SAMPLE #: _____
 SITE LOCATION: _____

VFR ID: _____ Duration of comp. : _____ hrs. / mins. Flow setting: _____ ml/min Initials: _____	
--	--

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	3-15-02	DK
INITIAL FIELD VACUUM				
FINAL FIELD READING				
GAUGE READING UPON RECEIPT				

LABORATORY CANISTER PRESSURIZATION

INITIAL VACUUM (inches Hg and PSIA)	4.09	4-4-02	DK
FINAL PRESSURE (PSIA)	17.45	4-4-02	DK

Pressurization Gas: N₂

COMMENTS:

4.2665

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 - 333
30 Min.	158 - 166.7
1	79.2 - 83.3
2	39.6 - 41.7
4	19.8 - 20.8
6	13.2 - 13.9
8	9.9 - 10.4
10	7.92 - 8.3
12	6.6 - 6.9
24	3.5 - 4.0



CANISTER FIELD DATA RECORD

CLIENT: STL S/F
 CANISTER SERIAL #: 02703
 DATE CLEANED: 03-13-02 B
 CLIENT SAMPLE #: _____
 SITE LOCATION: _____

VFR ID: _____
 Duration of comp. : _____ hrs. / mins.
 Flow setting: _____ ml/min
 Initials: _____

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	3-15-02	OK
INITIAL FIELD VACUUM				
FINAL FIELD READING				
GAUGE READING UPON RECEIPT				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (inches Hg and PSIA)	9.71	4-4-02	OK
FINAL PRESSURE (PSIA)	24.12	4-4-02	OK

Pressurization Gas: N₂

COMMENTS:

2,7692

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 - 333
30 Min.	158 - 166.7
1	79.2 - 83.3
2	39.6 - 41.7
4	19.8 - 20.8
6	13.2 - 13.9
8	9.9 - 10.4
10	7.92 - 8.3
12	6.6 - 6.9
24	3.5 - 4.0

3

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CANISTER FIELD DATA RECORD

CLIENT: STL S/F
CANISTER SERIAL #: 0117
DATE CLEANED: 03-13-02 B
CLIENT SAMPLE #: _____
SITE LOCATION: _____

VFR ID: _____
Duration of comp. : _____ hrs. / mins.
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	3-15-02	OK
INITIAL FIELD VACUUM				
FINAL FIELD READING				
GAUGE READING UPON RECEIPT				

LABORATORY CANISTER PRESSURIZATION

INITIAL VACUUM (inches Hg and PSIA)	11.94	4.4-02	OK
FINAL PRESSURE (PSIA)	24.44	4.4.02	OK

Pressurization Gas: N₂

COMMENTS:	COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
	<u>2.0469</u>	15 Min.	316 - 333
30 Min.		158 - 166.7
1		79.2 - 83.3
2		39.6 - 41.7
4		19.8 - 20.8
6		13.2 - 13.9
8		9.9 - 10.4
10		7.92 - 8.3
12		6.6 - 6.9
24		3.5 - 4.0

4

**SEVERN
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CANISTER FIELD DATA RECORD

CLIENT: STL S/F
CANISTER SERIAL #: 93036
DATE CLEANED: 03-13-02 B
CLIENT SAMPLE #: _____
SITE LOCATION: _____

VFR ID: _____
Duration of comp. : _____ hrs. / mins.
Flow setting: _____ ml/min
Initials: _____

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	3-15-02	OK
INITIAL FIELD VACUUM				
FINAL FIELD READING				
GAUGE READING UPON RECEIPT				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (inches Hg and PSIA)	9.98	4.4.02	OK
FINAL PRESSURE (PSIA)	24.53	4.4.02	OK

Pressurization Gas: N₂

COMMENTS:	COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
	2.4579	15 Min.	316 - 333
	30 Min.	158 - 166.7
	1	79.2 - 83.3
	2	39.6 - 41.7
	4	19.8 - 20.8
	6	13.2 - 13.9
	8	9.9 - 10.4
	10	7.92 - 8.3
	12	6.6 - 6.9
	24	3.5 - 4.0

000007

SAMPLE SUMMARY

M2C310102

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
EW7QR	001	MFC-31-4.0	03/25/02	10:15
EW7QT	002	MFC-37-4.0	03/25/02	15:15
EW7QV	003	MFC-35-4.0	03/25/02	15:30
EW7QW	004	MFC-33-4.0	03/25/02	15:45

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000012

STL SAN FRANCISCO

Client Sample ID: MFC-31-4.0

GC Volatiles

Lot-Sample #...: M2C310102-001 Work Order #...: EW7QR1AC Matrix.....: AIR
Date Sampled...: 03/25/02 10:15 Date Received...: 03/28/02
Prep Date.....: 04/05/02 Analysis Date...: 04/05/02
Prep Batch #...: 2095288 Analysis Time...: 08:39
Dilution Factor: 4.26
Analyst ID.....: 101605 Instrument ID...: GC1
Method.....: ASTM D1946

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Carbon dioxide	2.1	0.043	% (v/v)
Oxygen	12	0.43	% (v/v)
Nitrogen	55	4.3	% (v/v)
Methane	38	0.00085	% (v/v)
Carbon monoxide	ND	0.0043	% (v/v)

STL SAN FRANCISCO

Client Sample ID: MFC-31-4.0

GC Volatiles

Lot-Sample #...: M2C310102-001 Work Order #...: EW7QR1AD Matrix.....: AIR
Date Sampled...: 03/25/02 10:15 Date Received...: 03/28/02
Prep Date.....: 04/04/02 Analysis Date...: 04/04/02
Prep Batch #...: 2095316 Analysis Time...: 17:45
Dilution Factor: 15.95
Analyst ID.....: 358011 Instrument ID...: GC6
Method.....: EPA-19 TO-3

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
TPH (as Gasoline)	290	16	ppm(v/v)

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

000014

STL SAN FRANCISCO

Client Sample ID: MFC-37-4.0

GC Volatiles

Lot-Sample #....: M2C310102-002 Work Order #....: EW7QT1AC Matrix.....: AIR
Date Sampled....: 03/25/02 15:15 Date Received...: 03/28/02
Prep Date.....: 04/05/02 Analysis Date...: 04/05/02
Prep Batch #....: 2095288 Analysis Time...: 10:08
Dilution Factor: 2.76
Analyst ID.....: 101605 Instrument ID...: GC1
Method.....: ASTM D1946

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Carbon dioxide	7.1	0.028	% (v/v)
Oxygen	10	0.28	% (v/v)
Nitrogen	70	2.8	% (v/v)
Methane	18	0.00055	% (v/v)
Carbon monoxide	ND	0.0028	% (v/v)

000015

STL SAN FRANCISCO

Client Sample ID: MFC-37-4.0

GC Volatiles

Lot-Sample #...: M2C310102-002 Work Order #...: EW7QT1AD Matrix.....: AIR
Date Sampled...: 03/25/02 15:15 Date Received...: 03/28/02
Prep Date.....: 04/04/02 Analysis Date...: 04/04/02
Prep Batch #...: 2095316 Analysis Time...: 17:19
Dilution Factor: 10.35
Analyst ID.....: 358011 Instrument ID...: GC6
Method.....: EPA-19 TO-3

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
TPH (as Gasoline)	140	10	ppm (v/v)

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

STL SAN FRANCISCO

Client Sample ID: MFC-35-4.0

GC Volatiles

Lot-Sample #...: M2C310102-003 Work Order #...: EW7QV1AC Matrix.....: AIR
Date Sampled...: 03/25/02 15:30 Date Received...: 03/28/02
Prep Date.....: 04/05/02 Analysis Date...: 04/05/02
Prep Batch #...: 2095288 Analysis Time...: 09:30
Dilution Factor: 2.04
Analyst ID.....: 101605 Instrument ID...: GC1
Method.....: ASTM D1946

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
Carbon dioxide	3.8	0.020	% (v/v)
Oxygen	16	0.20	% (v/v)
Nitrogen	65	2.0	% (v/v)
Methane	19	0.00041	% (v/v)
Carbon monoxide	ND	0.0020	% (v/v)

STL SAN FRANCISCO

Client Sample ID: MFC-35-4.0

GC Volatiles

Lot-Sample #...: M2C310102-003 Work Order #...: EW7QV1AD Matrix.....: AIR
Date Sampled...: 03/25/02 15:30 Date Received...: 03/28/02
Prep Date.....: 04/04/02 Analysis Date...: 04/04/02
Prep Batch #...: 2095316 Analysis Time...: 18:07
Dilution Factor: 7.65
Analyst ID.....: 358011 Instrument ID...: GC6
Method.....: EPA-19 TO-3

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
TPH (as Gasoline)	170	7.7	ppm(v/v)

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

000018

STL SAN FRANCISCO

Client Sample ID: MFC-33-4.0

GC Volatiles

Lot-Sample #....: M2C310102-004 Work Order #....: EW7QW1AC Matrix.....: AIR
Date Sampled....: 03/25/02 15:45 Date Received...: 03/28/02
Prep Date.....: 04/05/02 Analysis Date...: 04/05/02
Prep Batch #....: 2095288 Analysis Time...: 09:50
Dilution Factor: 2.45
Analyst ID.....: 101605 Instrument ID...: GC1
Method.....: ASTM D1946

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Carbon dioxide	1.8	0.025	% (v/v)
Oxygen	18	0.25	% (v/v)
Nitrogen	69	2.5	% (v/v)
Methane	17	0.00049	% (v/v)
Carbon monoxide	ND	0.0025	% (v/v)

STL SAN FRANCISCO

Client Sample ID: MFC-33-4.0

GC Volatiles

Lot-Sample #....: M2C310102-004 Work Order #....: EW7QW1AD Matrix.....: AIR
Date Sampled....: 03/25/02 15:45 Date Received...: 03/28/02
Prep Date.....: 04/04/02 Analysis Date...: 04/04/02
Prep Batch #....: 2095316 Analysis Time...: 18:31
Dilution Factor: 9.19
Analyst ID.....: 358011 Instrument ID...: GC6
Method.....: EPA-19 TO-3

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>
TPH (as Gasoline)	140	9.2	ppm (v/v)

NOTE(S) :

This sample has GC/FID characteristics for which reliable identification of a product could not be achieved.

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QA/QC

000021

QC DATA ASSOCIATION SUMMARY

M2C310102

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	ASTM D1946		2095288	
	AIR	EPA-19 TO-3		2095316	
002	AIR	ASTM D1946		2095288	
	AIR	EPA-19 TO-3		2095316	
003	AIR	ASTM D1946		2095288	
	AIR	EPA-19 TO-3		2095316	
004	AIR	ASTM D1946		2095288	
	AIR	EPA-19 TO-3		2095316	

000022

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: M2C310102
MB Lot-Sample #: M2D050000-288

Work Order #...: EXF8F1AA

Matrix.....: AIR

Analysis Date...: 04/05/02
Dilution Factor: 1

Prep Date.....: 04/05/02

Analysis Time...: 08:02

Prep Batch #...: 2095288

Instrument ID...: GC1

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Carbon dioxide	ND	0.010	%(v/v)	ASTM D1946
Oxygen	ND	0.10	%(v/v)	ASTM D1946
Nitrogen	ND	1.0	%(v/v)	ASTM D1946
Methane	ND	0.00020	%(v/v)	ASTM D1946
Carbon monoxide	ND	0.0010	%(v/v)	ASTM D1946

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

000023

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: M2C310102 Work Order #...: EXGDP1AA Matrix.....: AIR
MB Lot-Sample #: M2D050000-316
Prep Date.....: 04/04/02 Analysis Time...: 12:26
Analysis Date...: 04/04/02 Prep Batch #...: 2095316 Instrument ID...: GC6
Dilution Factor: 1
Analyst ID.....: 358011

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
TPH (as Gasoline)	ND	1.0	ppm (v/v)	EPA-19 TO-3

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: M2C310102 Work Order #...: EXF8F1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M2D050000-288 EXF8F1AD-LCSD
 Prep Date.....: 04/05/02 Analysis Date...: 04/05/02
 Prep Batch #...: 2095288 Analysis Time...: 07:21
 Dilution Factor: 1 Instrument ID...: GC1
 Analyst ID.....: 101605

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
Carbon dioxide	106	(75 - 125)			ASTM D1946
	107	(75 - 125)	0.58	(0-20)	ASTM D1946
Methane	109	(60 - 120)			ASTM D1946
	109	(60 - 120)	0.13	(0-20)	ASTM D1946

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: M2C310102 Work Order #...: EXP8F1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M2D050000-288 EXP8F1AD-LCSD
 Prep Date.....: 04/05/02 Analysis Date...: 04/05/02
 Prep Batch #...: 2095288 Analysis Time...: 07:21
 Dilution Factor: 1 Instrument ID...: GC1
 Analyst ID.....: 101605

PARAMETER	SPIKE	MEASURED	UNITS	PERCENT	RPD	METHOD
	AMOUNT	AMOUNT		RECOVERY		
Carbon dioxide	1.00	1.06	% (v/v)	106	0.58	ASTM D1946
	1.00	1.07	% (v/v)	107		ASTM D1946
Methane	0.0500	0.0547	% (v/v)	109	0.13	ASTM D1946
	0.0500	0.0546	% (v/v)	109		ASTM D1946

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: M2C310102 Work Order #...: EXGDP1AC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M2D050000-316 EXGDP1AD-LCSD
 Prep Date.....: 04/04/02 Analysis Date...: 04/04/02
 Prep Batch #...: 2095316 Analysis Time...: 10:27
 Dilution Factor: 1 Instrument ID...: GC6
 Analyst ID.....: 358011

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
TPH (as Gasoline)	104	(85 - 125)			EPA-19 TO-3
	104	(85 - 125)	0.16	(0-20)	EPA-19 TO-3

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: M2C310102 Work Order #...: EXGDPIAC-LCS Matrix.....: AIR
 LCS Lot-Sample#: M2D050000-316 EXGDPIAD-LCSD
 Prep Date.....: 04/04/02 Analysis Date...: 04/04/02
 Prep Batch #...: 2095316 Analysis Time...: 10:27
 Dilution Factor: 1 Instrument ID...: GC6
 Analyst ID.....: 358011

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RPD</u>	<u>METHOD</u>
TPH (as Gasoline)	10.0	10.4	ppm (v/v)	104		EPA-19 TO-3
	10.0	10.4	ppm (v/v)	104	0.16	EPA-19 TO-3

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

I IRIS ENVIRONMENTAL

1615 Broadway, Suite 1003
Oakland, CA 94612
(510) 834-4747
(510) 834-4199 (fax)

CHAIN-OF-CUSTODY

Date 03/25/02 Page 1 of 1

Samplers (signature):

EC

Sample ID Date Time Matrix Preserv.

Sample ID	Date	Time	Matrix	Preserv.
MFC-31-4.0 (canister # 0097)	03/25	10 ¹⁵	SOIL GVS	27.5 -20
MFC-34-4.0 (canister # 02073)		15 ¹⁵		-28 -11
MFC-35-4.0 (canister # 0117)		15 ³⁰		-28 -50
MFC-33-4.0 (canister # 93036)		15 ⁴⁵		-28 -10.0

Analyses Required												Number of Containers
VOLs 8260	TPH BOIS	Fixed Gases*	METHANE									
X	X	X	X									2
X	X	X	X									2
X	X	X	X									2
X	X	X	X									2

Project Information
Project Name: Jan St.
Project Number: 01-201-A
Contact: EMILY COLWIN
E-mail: ecolwin@irisenv.com

Sample Receipt
of Containers: _____
Head space: _____
Temperature: 20.0°C (air)
Conforms to Record: _____

Relinquished By:
EC
(Signature)
EMILY COLWIN
(Name)
IRIS ENVIRONMENTAL
(Company)

Received By:
JL
(Signature)
Tod Granicher
(Name)
STL-Lab
(Company)

Report: Routine Level 2 Level 3 Level 4 Electronic 7
TAT: 5-Day 24 48 72 Other: 3-DAY

Special Instructions/Comments:
*Fixed gases = O₂, CO, CO₂, N + Methane
by method D1946

Relinquished By:
JL
(Signature)
Tod Granicher
(Name)
STL-Lab
(Company)

Received By:
D. Harrington
(Signature)
D. Harrington 1545
(Name)
STL-SF 3/20/02
(Company)

Submission #: 2002-03-0527

Date: April 9, 2002

SEVERN

TRENT

SERVICES

Iris Environmental

1615 Broadway, Suite 1003
Oakland, CA 94612

Attn: Chris Alger

Project: 01-201-A
Port of Oakland

Site: Port of Oakland

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com
CA DHS ELAP#1094

Attached is our report for your samples received on Tuesday March 26, 2002
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
May 10, 2002 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.
You can also contact me via email. My email address is: tgranicher@chromalab.com

Sincerely,



Tod Granicher
Project Manager

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental	✉ 1615 Broadway, Suite 1003 Oakland, CA 94612
Attn: Chris Alger	Phone: (510) 834-4747 Fax: (510) 834-4199
01-201-A SitePort of Oakland	Project: Port of Oakland

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www.chromalab.com

CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-29-4.5-5.0-DUP	Soil	03/26/2002 15:20	4
MFC-29-4.5-5.0	Soil	03/26/2002 15:20	5
MFC-34-5.5-6.0	Soil	03/26/2002 14:50	6
MFC-34-3.0-3.5	Soil	03/26/2002 14:40	8
MFC-41-2.5-3.0	Soil	03/26/2002 10:00	9
MFC-41-4.0-4.5	Soil	03/26/2002 10:00	11
MFC-44-4.5-5.0	Soil	03/26/2002 11:40	13
MFC-40-4.5-5.0	Soil	03/26/2002 09:15	14
MFC-40-3.0-3.5	Soil	03/26/2002 09:10	16
MFC-38-2.5-3.0	Soil	03/26/2002 08:25	17
MFC-38-5.0-5.5	Soil	03/26/2002 08:40	19
MFC-7-8.5-9.0	Soil	03/26/2002 13:25	25
MFC-7-5.0-5.5	Soil	03/26/2002 13:16	27
MFC-5-11.0-11.5	Soil	03/26/2002 15:50	28
MFC-5-8.0-8.5	Soil	03/26/2002 15:40	29
MFC-17-4.5-5.0	Soil	03/26/2002 10:50	32
MFC-6-8.5-9.0	Soil	03/26/2002 15:00	34
MFC-9-5.0-5.5	Soil	03/26/2002 09:35	36
MFC-8-5.0-5.5	Soil	03/26/2002 08:35	38

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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 1220 Quarry Lane
 Pleasanton, CA 94566

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CA DHS ELAP#1094

Sample ID: MFC-29-4.5-5.0-DUP	Lab Sample ID: 2002-03-0527-004
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 17:15
Sampled: 03/26/2002 15:20	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 17:15	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 17:15	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 17:15	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 17:15	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 17:15	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 17:15	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 17:15	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 17:15	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 17:15	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 17:15	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 17:15	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

 STL San Francisco
 1220 Quarry Lane
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 Fax 925 484 1096
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 www.chromalab.com

CA DHS ELAP#1094

Sample ID: MFC-29-4.5-5.0-DUP	Lab Sample ID: 2002-03-0527-004
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 17:15
Sampled: 03/26/2002 15:20	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 17:15	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 17:15	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 17:15	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 17:15	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 17:15	
Surrogate(s)						
4-Bromofluorobenzene	103.3	74-121	%	1.00	04/02/2002 17:15	
1,2-Dichloroethane-d4	107.2	70-121	%	1.00	04/02/2002 17:15	
Toluene-d8	112.9	81-117	%	1.00	04/02/2002 17:15	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

Sample ID: MFC-29-4.5-5.0	Lab Sample ID: 2002-03-0527-005
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 17:41
Sampled: 03/26/2002 15:20	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 17:41	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 17:41	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 17:41	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 17:41	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 17:41	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 17:41	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 17:41	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 17:41	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 17:41	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 17:41	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 17:41	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-29-4.5-5.0	Lab Sample ID: 2002-03-0527-005
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 17:41
Sampled: 03/26/2002 15:20	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 17:41	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 17:41	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 17:41	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 17:41	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 17:41	
Surrogate(s)						
4-Bromofluorobenzene	106.2	74-121	%	1.00	04/02/2002 17:41	
1,2-Dichloroethane-d4	113.7	70-121	%	1.00	04/02/2002 17:41	
Toluene-d8	119.2	81-117	%	1.00	04/02/2002 17:41	sh

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-34-5.5-6.0	Lab Sample ID: 2002-03-0527-006
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 18:07
Sampled: 03/26/2002 14:50	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 18:07	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 18:07	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 18:07	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 18:07	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 18:07	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 18:07	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 18:07	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 18:07	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 18:07	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 18:07	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 18:07	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-34-5.5-6.0	Lab Sample ID: 2002-03-0527-006
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 18:07
Sampled: 03/26/2002 14:50	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 18:07	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 18:07	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 18:07	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 18:07	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 18:07	
Surrogate(s)						
4-Bromofluorobenzene	101.3	74-121	%	1.00	04/02/2002 18:07	
1,2-Dichloroethane-d4	114.1	70-121	%	1.00	04/02/2002 18:07	
Toluene-d8	119.5	81-117	%	1.00	04/02/2002 18:07	sh

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-34-3.0-3.5	Lab Sample ID: 2002-03-0527-008
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 18:33
Sampled: 03/26/2002 14:40	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 18:33	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 18:33	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 18:33	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 18:33	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 18:33	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 18:33	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 18:33	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 18:33	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 18:33	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 18:33	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 18:33	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-34-3.0-3.5	Lab Sample ID: 2002-03-0527-008
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 18:33
Sampled: 03/26/2002 14:40	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 18:33	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 18:33	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 18:33	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 18:33	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 18:33	
Surrogate(s)						
4-Bromofluorobenzene	99.5	74-121	%	1.00	04/02/2002 18:33	
1,2-Dichloroethane-d4	117.5	70-121	%	1.00	04/02/2002 18:33	
Toluene-d8	119.7	81-117	%	1.00	04/02/2002 18:33	sh

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
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Pleasanton, CA 94566

Sample ID: MFC-41-2.5-3.0	Lab Sample ID: 2002-03-0527-009
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 18:59
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 18:59	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 18:59	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 18:59	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 18:59	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 18:59	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 18:59	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 18:59	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 18:59	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 18:59	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 18:59	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 18:59	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-41-2.5-3.0	Lab Sample ID: 2002-03-0527-009
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 18:59
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 18:59	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 18:59	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 18:59	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 18:59	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 18:59	
Surrogate(s)						
4-Bromofluorobenzene	102.4	74-121	%	1.00	04/02/2002 18:59	
1,2-Dichloroethane-d4	115.2	70-121	%	1.00	04/02/2002 18:59	
Toluene-d8	118.4	81-117	%	1.00	04/02/2002 18:59	sh

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
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Sample ID: MFC-41-4.0-4.5	Lab Sample ID: 2002-03-0527-011
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 19:25
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 19:25	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 19:25	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 19:25	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 19:25	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 19:25	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 19:25	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 19:25	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 19:25	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 19:25	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 19:25	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 19:25	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566
Sample ID: **MFC-41-4.0-4.5**

Lab Sample ID: 2002-03-0527-011

Project: 01-201-A
Port of Oakland

Received: 03/26/2002 18:15

Site: Port of Oakland

Extracted: 04/02/2002 19:25

Sampled: 03/26/2002 10:00

QC-Batch: 2002/04/02-01.09

Matrix: Soil

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 19:25	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 19:25	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 19:25	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 19:25	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 19:25	
Surrogate(s)						
4-Bromofluorobenzene	110.2	74-121	%	1.00	04/02/2002 19:25	
1,2-Dichloroethane-d4	116.7	70-121	%	1.00	04/02/2002 19:25	
Toluene-d8	118.4	81-117	%	1.00	04/02/2002 19:25	sh

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-44-4.5-5.0	Lab Sample ID: 2002-03-0527-013
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 19:50
Sampled: 03/26/2002 11:40	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 19:50	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 19:50	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 19:50	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 19:50	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 19:50	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 19:50	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 19:50	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 19:50	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 19:50	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 19:50	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 19:50	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

Sample ID: MFC-44-4.5-5.0	Lab Sample ID: 2002-03-0527-013
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 19:50
Sampled: 03/26/2002 11:40	QC-Batch: 2002/04/02-01.09
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 19:50	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 19:50	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 19:50	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 19:50	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 19:50	
Surrogate(s)						
4-Bromofluorobenzene	109.5	74-121	%	1.00	04/02/2002 19:50	
1,2-Dichloroethane-d4	114.6	70-121	%	1.00	04/02/2002 19:50	
Toluene-d8	116.4	81-117	%	1.00	04/02/2002 19:50	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
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Pleasanton, CA 94566

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CA DHS ELAP#1094

Sample ID: MFC-40-4.5-5.0	Lab Sample ID: 2002-03-0527-014
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/01/2002 21:11
Sampled: 03/26/2002 09:15	QC-Batch: 2002/04/01-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Acetone	ND	50	ug/Kg	1.00	04/01/2002 21:11	
Benzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Bromochloromethane	ND	20	ug/Kg	1.00	04/01/2002 21:11	
Bromoform	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Bromomethane	ND	10	ug/Kg	1.00	04/01/2002 21:11	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/01/2002 21:11	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Chloroethane	ND	10	ug/Kg	1.00	04/01/2002 21:11	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/01/2002 21:11	
Chloroform	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Chloromethane	ND	10	ug/Kg	1.00	04/01/2002 21:11	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/01/2002 21:11	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/01/2002 21:11	
Dibromomethane	ND	10	ug/Kg	1.00	04/01/2002 21:11	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/01/2002 21:11	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-40-4.5-5.0	Lab Sample ID: 2002-03-0527-014
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/01/2002 21:11
Sampled: 03/26/2002 09:15	QC-Batch: 2002/04/01-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
2-Hexanone	ND	50	ug/Kg	1.00	04/01/2002 21:11	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/01/2002 21:11	
Naphthalene	ND	10	ug/Kg	1.00	04/01/2002 21:11	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Styrene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Toluene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Vinyl acetate	ND	50	ug/Kg	1.00	04/01/2002 21:11	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Total xylenes	ND	5.0	ug/Kg	1.00	04/01/2002 21:11	
Surrogate(s)						
4-Bromofluorobenzene	112.9	74-121	%	1.00	04/01/2002 21:11	
1,2-Dichloroethane-d4	123.9	70-121	%	1.00	04/01/2002 21:11	sh
Toluene-d8	113.2	81-117	%	1.00	04/01/2002 21:11	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: **MFC-40-3.0-3.5**
Project: 01-201-A
Port of Oakland
Site: Port of Oakland
Sampled: 03/26/2002 09:10
Matrix: Soil

Lab Sample ID: 2002-03-0527-016
Received: 03/26/2002 18:15
Extracted: 04/02/2002 20:16
QC-Batch: 2002/04/02-01.09

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Acetone	ND	50	ug/Kg	1.00	04/02/2002 20:16	
Benzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Bromochloromethane	ND	20	ug/Kg	1.00	04/02/2002 20:16	
Bromoform	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Bromomethane	ND	10	ug/Kg	1.00	04/02/2002 20:16	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/02/2002 20:16	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Chloroethane	ND	10	ug/Kg	1.00	04/02/2002 20:16	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/02/2002 20:16	
Chloroform	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Chloromethane	ND	10	ug/Kg	1.00	04/02/2002 20:16	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/02/2002 20:16	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/02/2002 20:16	
Dibromomethane	ND	10	ug/Kg	1.00	04/02/2002 20:16	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/02/2002 20:16	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

 Sample ID: **MFC-40-3.0-3.5**
 Project: 01-201-A
 Port of Oakland
 Site: Port of Oakland
 Sampled: 03/26/2002 09:10
 Matrix: Soil

 Lab Sample ID: 2002-03-0527-016
 Received: 03/26/2002 18:15
 Extracted: 04/02/2002 20:16
 QC-Batch: 2002/04/02-01.09

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
2-Hexanone	ND	50	ug/Kg	1.00	04/02/2002 20:16	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/02/2002 20:16	
Naphthalene	ND	10	ug/Kg	1.00	04/02/2002 20:16	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Styrene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Toluene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Vinyl acetate	ND	50	ug/Kg	1.00	04/02/2002 20:16	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Total xylenes	ND	5.0	ug/Kg	1.00	04/02/2002 20:16	
Surrogate(s)						
4-Bromofluorobenzene	98.7	74-121	%	1.00	04/02/2002 20:16	
1,2-Dichloroethane-d4	117.3	70-121	%	1.00	04/02/2002 20:16	
Toluene-d8	118.5	81-117	%	1.00	04/02/2002 20:16	sh

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-38-2.5-3.0	Lab Sample ID: 2002-03-0527-017
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 17:57
Sampled: 03/26/2002 08:25	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 17:57	
Benzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 17:57	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 17:57	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 17:57	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 17:57	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 17:57	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 17:57	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 17:57	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 17:57	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 17:57	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 17:57	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

STL San Francisco
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CA DHS ELAP#1094

Sample ID: MFC-38-2.5-3.0	Lab Sample ID: 2002-03-0527-017
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 17:57
Sampled: 03/26/2002 08:25	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 17:57	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 17:57	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 17:57	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 17:57	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 17:57	
Surrogate(s)						
4-Bromofluorobenzene	105.0	74-121	%	1.00	04/04/2002 17:57	
1,2-Dichloroethane-d4	102.2	70-121	%	1.00	04/04/2002 17:57	
Toluene-d8	98.3	81-117	%	1.00	04/04/2002 17:57	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

 Sample ID: **MFC-38-5.0-5.5**
 Project: 01-201-A
 Port of Oakland
 Site: Port of Oakland
 Sampled: 03/26/2002 08:40
 Matrix: Soil

 Lab Sample ID: 2002-03-0527-019
 Received: 03/26/2002 18:15
 Extracted: 04/04/2002 18:33
 QC-Batch: 2002/04/04-01.06

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 CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 18:33	
Benzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 18:33	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 18:33	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 18:33	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 18:33	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 18:33	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 18:33	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 18:33	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 18:33	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 18:33	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 18:33	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-38-5.0-5.5	Lab Sample ID: 2002-03-0527-019
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 18:33
Sampled: 03/26/2002 08:40	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 18:33	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 18:33	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 18:33	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 18:33	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 18:33	
Surrogate(s)						
4-Bromofluorobenzene	105.5	74-121	%	1.00	04/04/2002 18:33	
1,2-Dichloroethane-d4	100.6	70-121	%	1.00	04/04/2002 18:33	
Toluene-d8	100.7	81-117	%	1.00	04/04/2002 18:33	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-7-8.5-9.0	Lab Sample ID: 2002-03-0527-025
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 19:09
Sampled: 03/26/2002 13:25	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 19:09	
Benzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 19:09	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 19:09	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 19:09	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 19:09	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 19:09	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 19:09	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 19:09	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 19:09	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 19:09	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 19:09	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566Sample ID: **MFC-7-8.5-9.0**
Project: 01-201-A
Port of Oakland
Site: Port of Oakland
Sampled: 03/26/2002 13:25
Matrix: SoilLab Sample ID: 2002-03-0527-025
Received: 03/26/2002 18:15
Extracted: 04/04/2002 19:09
QC-Batch: 2002/04/04-01.06Tel 925 484 1919
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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 19:09	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 19:09	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 19:09	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 19:09	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 19:09	
Surrogate(s)						
4-Bromofluorobenzene	104.9	74-121	%	1.00	04/04/2002 19:09	
1,2-Dichloroethane-d4	101.4	70-121	%	1.00	04/04/2002 19:09	
Toluene-d8	100.0	81-117	%	1.00	04/04/2002 19:09	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-7-5.0-5.5	Lab Sample ID: 2002-03-0527-027
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 19:45
Sampled: 03/26/2002 13:16	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 19:45	
Benzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 19:45	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 19:45	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 19:45	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 19:45	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 19:45	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 19:45	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 19:45	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 19:45	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 19:45	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 19:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-7-5.0-5.5	Lab Sample ID: 2002-03-0527-027
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 19:45
Sampled: 03/26/2002 13:16	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 19:45	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 19:45	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 19:45	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 19:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 19:45	
Surrogate(s)						
4-Bromofluorobenzene	110.3	74-121	%	1.00	04/04/2002 19:45	
1,2-Dichloroethane-d4	106.1	70-121	%	1.00	04/04/2002 19:45	
Toluene-d8	99.1	81-117	%	1.00	04/04/2002 19:45	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-5-11.0-11.5	Lab Sample ID: 2002-03-0527-028
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 19:28
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/04-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 19:28	
Benzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 19:28	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 19:28	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 19:28	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 19:28	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 19:28	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 19:28	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 19:28	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 19:28	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 19:28	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 19:28	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-5-11.0-11.5	Lab Sample ID: 2002-03-0527-028
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 19:28
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/04-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 19:28	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 19:28	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 19:28	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 19:28	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 19:28	
Surrogate(s)						
4-Bromofluorobenzene	109.3	74-121	%	1.00	04/04/2002 19:28	
1,2-Dichloroethane-d4	104.7	70-121	%	1.00	04/04/2002 19:28	
Toluene-d8	114.8	81-117	%	1.00	04/04/2002 19:28	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-5-8.0-8.5	Lab Sample ID: 2002-03-0527-029
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 19:53
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/04-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 19:53	
Benzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 19:53	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 19:53	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 19:53	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 19:53	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 19:53	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 19:53	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 19:53	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 19:53	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 19:53	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 19:53	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-5-8.0-8.5	Lab Sample ID: 2002-03-0527-029
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 19:53
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/04-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 19:53	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 19:53	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 19:53	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 19:53	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 19:53	
Surrogate(s)						
4-Bromofluorobenzene	104.4	74-121	%	1.00	04/04/2002 19:53	
1,2-Dichloroethane-d4	108.5	70-121	%	1.00	04/04/2002 19:53	
Toluene-d8	114.7	81-117	%	1.00	04/04/2002 19:53	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-17-4.5-5.0	Lab Sample ID: 2002-03-0527-032
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 14:18
Sampled: 03/26/2002 10:50	QC-Batch: 2002/04/05-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 14:18	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 14:18	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 14:18	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 14:18	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 14:18	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 14:18	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 14:18	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 14:18	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 14:18	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 14:18	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 14:18	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5035

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566
Sample ID: **MFC-17-4.5-5.0**

Lab Sample ID: 2002-03-0527-032

Project: 01-201-A
Port of Oakland

Received: 03/26/2002 18:15

Site: Port of Oakland

Extracted: 04/05/2002 14:18

Sampled: 03/26/2002 10:50

QC-Batch: 2002/04/05-01.09

Matrix: Soil

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 14:18	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 14:18	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 14:18	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 14:18	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 14:18	
Surrogate(s)						
4-Bromofluorobenzene	102.7	74-121	%	1.00	04/05/2002 14:18	
1,2-Dichloroethane-d4	102.3	70-121	%	1.00	04/05/2002 14:18	
Toluene-d8	116.2	81-117	%	1.00	04/05/2002 14:18	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-6-8.5-9.0	Lab Sample ID: 2002-03-0527-034
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 20:45
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/04-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 20:45	
Benzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 20:45	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 20:45	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 20:45	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 20:45	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 20:45	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 20:45	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 20:45	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 20:45	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 20:45	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 20:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-6-8.5-9.0	Lab Sample ID: 2002-03-0527-034
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 20:45
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/04-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 20:45	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 20:45	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 20:45	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 20:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 20:45	
Surrogate(s)						
4-Bromofluorobenzene	107.6	74-121	%	1.00	04/04/2002 20:45	
1,2-Dichloroethane-d4	117.5	70-121	%	1.00	04/04/2002 20:45	
Toluene-d8	117.0	81-117	%	1.00	04/04/2002 20:45	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-9-5.0-5.5	Lab Sample ID: 2002-03-0527-036
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 14:44
Sampled: 03/26/2002 09:35	QC-Batch: 2002/04/05-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 14:44	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 14:44	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 14:44	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 14:44	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 14:44	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 14:44	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 14:44	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 14:44	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 14:44	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 14:44	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 14:44	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
1220 Quarry Lane
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Sample ID: MFC-9-5.0-5.5	Lab Sample ID: 2002-03-0527-036
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 14:44
Sampled: 03/26/2002 09:35	QC-Batch: 2002/04/05-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 14:44	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 14:44	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 14:44	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 14:44	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 14:44	
Surrogate(s)						
4-Bromofluorobenzene	111.1	74-121	%	1.00	04/05/2002 14:44	
1,2-Dichloroethane-d4	102.6	70-121	%	1.00	04/05/2002 14:44	
Toluene-d8	115.7	81-117	%	1.00	04/05/2002 14:44	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

Sample ID: MFC-8-5.0-5.5	Lab Sample ID: 2002-03-0527-038
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 17:20
Sampled: 03/26/2002 08:35	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Acetone	ND	50	ug/Kg	1.00	04/04/2002 17:20	
Benzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Bromochloromethane	ND	20	ug/Kg	1.00	04/04/2002 17:20	
Bromoform	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Bromomethane	ND	10	ug/Kg	1.00	04/04/2002 17:20	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/04/2002 17:20	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Chloroethane	ND	10	ug/Kg	1.00	04/04/2002 17:20	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/04/2002 17:20	
Chloroform	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Chloromethane	ND	10	ug/Kg	1.00	04/04/2002 17:20	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/04/2002 17:20	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/04/2002 17:20	
Dibromomethane	ND	10	ug/Kg	1.00	04/04/2002 17:20	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/04/2002 17:20	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
Attn: Chris Alger

Test Method: 8260B
Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-8-5.0-5.5	Lab Sample ID: 2002-03-0527-038
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 17:20
Sampled: 03/26/2002 08:35	QC-Batch: 2002/04/04-01.06
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
2-Hexanone	ND	50	ug/Kg	1.00	04/04/2002 17:20	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/04/2002 17:20	
Naphthalene	ND	10	ug/Kg	1.00	04/04/2002 17:20	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Styrene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Toluene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Vinyl acetate	ND	50	ug/Kg	1.00	04/04/2002 17:20	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Total xylenes	ND	5.0	ug/Kg	1.00	04/04/2002 17:20	
Surrogate(s)						
4-Bromofluorobenzene	106.8	74-121	%	1.00	04/04/2002 17:20	
1,2-Dichloroethane-d4	107.7	70-121	%	1.00	04/04/2002 17:20	
Toluene-d8	99.8	81-117	%	1.00	04/04/2002 17:20	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/04/01-01.09

MB: 2002/04/01-01.09-005

Date Extracted: 04/01/2002 12:20

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/01/2002 12:20	
Acetone	ND	50	ug/Kg	04/01/2002 12:20	
Benzene	ND	5.0	ug/Kg	04/01/2002 12:20	
Bromodichloromethane	ND	5.0	ug/Kg	04/01/2002 12:20	
Bromobenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
Bromochloromethane	ND	20	ug/Kg	04/01/2002 12:20	
Bromoform	ND	5.0	ug/Kg	04/01/2002 12:20	
Bromomethane	ND	10	ug/Kg	04/01/2002 12:20	
2-Butanone(MEK)	ND	50	ug/Kg	04/01/2002 12:20	
n-Butylbenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
sec-Butylbenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
tert-Butylbenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
Carbon disulfide	ND	5.0	ug/Kg	04/01/2002 12:20	
Carbon tetrachloride	ND	5.0	ug/Kg	04/01/2002 12:20	
Chlorobenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
Chloroethane	ND	10	ug/Kg	04/01/2002 12:20	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/01/2002 12:20	
Chloroform	ND	5.0	ug/Kg	04/01/2002 12:20	
Chloromethane	ND	10	ug/Kg	04/01/2002 12:20	
2-Chlorotoluene	ND	5.0	ug/Kg	04/01/2002 12:20	
4-Chlorotoluene	ND	5.0	ug/Kg	04/01/2002 12:20	
Dibromochloromethane	ND	5.0	ug/Kg	04/01/2002 12:20	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/01/2002 12:20	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/01/2002 12:20	
1,1-Dichloropropene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/01/2002 12:20	
1,2-Dibromoethane	ND	10	ug/Kg	04/01/2002 12:20	
Dibromomethane	ND	10	ug/Kg	04/01/2002 12:20	
Dichlorodifluoromethane	ND	10	ug/Kg	04/01/2002 12:20	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/01/2002 12:20	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/01/2002 12:20	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/01/2002 12:20	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/01/2002 12:20	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/01/2002 12:20	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/01/2002 12:20	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/01/2002 12:20	
Ethylbenzene	ND	5.0	ug/Kg	04/01/2002 12:20	