

PHASE II ENVIRONMENTAL SITE ASSESSMENT

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

OAKLAND, CALIFORNIA

2 of 3

VOLUME II - APPENDIX B

IRIS ENVIRONMENTAL

June 2002

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

Method Blank

Soil

QC Batch # 2002/04/01-01.09

MB: 2002/04/01-01.09-005

Date Extracted: 04/01/2002 12:20

 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

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/01/2002 12:20	
2-Hexanone	ND	50	ug/Kg	04/01/2002 12:20	
Isopropylbenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/01/2002 12:20	
Methylene chloride	ND	5.0	ug/Kg	04/01/2002 12:20	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/01/2002 12:20	
Naphthalene	ND	10	ug/Kg	04/01/2002 12:20	
n-Propylbenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
Styrene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/01/2002 12:20	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/01/2002 12:20	
Tetrachloroethene	ND	5.0	ug/Kg	04/01/2002 12:20	
Toluene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/01/2002 12:20	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/01/2002 12:20	
Trichloroethene	ND	5.0	ug/Kg	04/01/2002 12:20	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/01/2002 12:20	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/01/2002 12:20	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/01/2002 12:20	
Vinyl acetate	ND	50	ug/Kg	04/01/2002 12:20	
Vinyl chloride	ND	5.0	ug/Kg	04/01/2002 12:20	
Total xylenes	ND	5.0	ug/Kg	04/01/2002 12:20	
Surrogate(s)					
4-Bromofluorobenzene	107.9	74-121	%	04/01/2002 12:20	
1,2-Dichloroethane-d4	113.9	70-121	%	04/01/2002 12:20	
Toluene-d8	113.3	81-117	%	04/01/2002 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

Tel 925 484 1919
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www.chromalab.com

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/02/2002 12:15	
Acetone	ND	50	ug/Kg	04/02/2002 12:15	
Benzene	ND	5.0	ug/Kg	04/02/2002 12:15	
Bromodichloromethane	ND	5.0	ug/Kg	04/02/2002 12:15	
Bromobenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
Bromochloromethane	ND	20	ug/Kg	04/02/2002 12:15	
Bromoform	ND	5.0	ug/Kg	04/02/2002 12:15	
Bromomethane	ND	10	ug/Kg	04/02/2002 12:15	
2-Butanone(MEK)	ND	50	ug/Kg	04/02/2002 12:15	
n-Butylbenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
sec-Butylbenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
tert-Butylbenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
Carbon disulfide	ND	5.0	ug/Kg	04/02/2002 12:15	
Carbon tetrachloride	ND	5.0	ug/Kg	04/02/2002 12:15	
Chlorobenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
Chloroethane	ND	10	ug/Kg	04/02/2002 12:15	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/02/2002 12:15	
Chloroform	ND	5.0	ug/Kg	04/02/2002 12:15	
Chloromethane	ND	10	ug/Kg	04/02/2002 12:15	
2-Chlorotoluene	ND	5.0	ug/Kg	04/02/2002 12:15	
4-Chlorotoluene	ND	5.0	ug/Kg	04/02/2002 12:15	
Dibromochloromethane	ND	5.0	ug/Kg	04/02/2002 12:15	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/02/2002 12:15	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/02/2002 12:15	
1,1-Dichloropropene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/02/2002 12:15	
1,2-Dibromoethane	ND	10	ug/Kg	04/02/2002 12:15	
Dibromomethane	ND	10	ug/Kg	04/02/2002 12:15	
Dichlorodifluoromethane	ND	10	ug/Kg	04/02/2002 12:15	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/02/2002 12:15	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/02/2002 12:15	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/02/2002 12:15	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/02/2002 12:15	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/02/2002 12:15	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/02/2002 12:15	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/02/2002 12:15	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/02/2002 12:15	
Ethylbenzene	ND	5.0	ug/Kg	04/02/2002 12:15	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

Method Blank

Soil

QC Batch # 2002/04/02-01.09

MB: 2002/04/02-01.09-029

Date Extracted: 04/02/2002 12:15

STL San Francisco
1220 Quarry Lane
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www.chromalab.com

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

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Soil

QC Batch # 2002/04/04-01.06

MB: 2002/04/04-01.06-004

Date Extracted: 04/04/2002 12:43

 Tel 925 484 1919
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 www.chromalab.com

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	
Bromoforn	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-Dichloropropene	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

Method Blank

Soil

QC Batch # 2002/04/04-01.06

MB: 2002/04/04-01.06-004

Date Extracted: 04/04/2002 12:43

 STL San Francisco
 1220 Quary Lane
 Pleasanton, CA 94566

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

CA DHS ELAP#1094

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

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/04/04-01.09

MB: 2002/04/04-01.09-004

Date Extracted: 04/04/2002 11:32

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

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/04/2002 11:32	
Acetone	ND	50	ug/Kg	04/04/2002 11:32	
Benzene	ND	5.0	ug/Kg	04/04/2002 11:32	
Bromodichloromethane	ND	5.0	ug/Kg	04/04/2002 11:32	
Bromobenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
Bromochloromethane	ND	20	ug/Kg	04/04/2002 11:32	
Bromoform	ND	5.0	ug/Kg	04/04/2002 11:32	
Bromomethane	ND	10	ug/Kg	04/04/2002 11:32	
2-Butanone(MEK)	ND	50	ug/Kg	04/04/2002 11:32	
n-Butylbenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
sec-Butylbenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
tert-Butylbenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
Carbon disulfide	ND	5.0	ug/Kg	04/04/2002 11:32	
Carbon tetrachloride	ND	5.0	ug/Kg	04/04/2002 11:32	
Chlorobenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
Chloroethane	ND	10	ug/Kg	04/04/2002 11:32	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/04/2002 11:32	
Chloroform	ND	5.0	ug/Kg	04/04/2002 11:32	
Chloromethane	ND	10	ug/Kg	04/04/2002 11:32	
2-Chlorotoluene	ND	5.0	ug/Kg	04/04/2002 11:32	
4-Chlorotoluene	ND	5.0	ug/Kg	04/04/2002 11:32	
Dibromochloromethane	ND	5.0	ug/Kg	04/04/2002 11:32	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/04/2002 11:32	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/04/2002 11:32	
1,1-Dichloropropene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/04/2002 11:32	
1,2-Dibromoethane	ND	10	ug/Kg	04/04/2002 11:32	
Dibromomethane	ND	10	ug/Kg	04/04/2002 11:32	
Dichlorodifluoromethane	ND	10	ug/Kg	04/04/2002 11:32	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/04/2002 11:32	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/04/2002 11:32	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/04/2002 11:32	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/04/2002 11:32	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/04/2002 11:32	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/04/2002 11:32	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/04/2002 11:32	
Ethylbenzene	ND	5.0	ug/Kg	04/04/2002 11:32	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

Method Blank

Soil

QC Batch # 2002/04/04-01.09

MB: 2002/04/04-01.09-004

Date Extracted: 04/04/2002 11:32

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1220 Quarry Lane
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Fax 925 484 1096
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www.chromalab.com

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/04/2002 11:32	
2-Hexanone	ND	50	ug/Kg	04/04/2002 11:32	
Isopropylbenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/04/2002 11:32	
Methylene chloride	ND	5.0	ug/Kg	04/04/2002 11:32	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/04/2002 11:32	
Naphthalene	ND	10	ug/Kg	04/04/2002 11:32	
n-Propylbenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
Styrene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/04/2002 11:32	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/04/2002 11:32	
Tetrachloroethene	ND	5.0	ug/Kg	04/04/2002 11:32	
Toluene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/04/2002 11:32	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/04/2002 11:32	
Trichloroethene	ND	5.0	ug/Kg	04/04/2002 11:32	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/04/2002 11:32	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/04/2002 11:32	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/04/2002 11:32	
Vinyl acetate	ND	50	ug/Kg	04/04/2002 11:32	
Vinyl chloride	ND	5.0	ug/Kg	04/04/2002 11:32	
Total xylenes	ND	5.0	ug/Kg	04/04/2002 11:32	
Surrogate(s)					
4-Bromofluorobenzene	112.8	74-121	%	04/04/2002 11:32	
1,2-Dichloroethane-d4	104.7	70-121	%	04/04/2002 11:32	
Toluene-d8	110.7	81-117	%	04/04/2002 11:32	

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 # 2002/04/05-01.09

MB: 2002/04/05-01.09-005

Date Extracted: 04/05/2002 11:34

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/05/2002 11:34	
Acetone	ND	50	ug/Kg	04/05/2002 11:34	
Benzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Bromodichloromethane	ND	5.0	ug/Kg	04/05/2002 11:34	
Bromobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Bromochloromethane	ND	20	ug/Kg	04/05/2002 11:34	
Bromoform	ND	5.0	ug/Kg	04/05/2002 11:34	
Bromomethane	ND	10	ug/Kg	04/05/2002 11:34	
2-Butanone(MEK)	ND	50	ug/Kg	04/05/2002 11:34	
n-Butylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
sec-Butylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
tert-Butylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Carbon disulfide	ND	5.0	ug/Kg	04/05/2002 11:34	
Carbon tetrachloride	ND	5.0	ug/Kg	04/05/2002 11:34	
Chlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Chloroethane	ND	10	ug/Kg	04/05/2002 11:34	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/05/2002 11:34	
Chloroform	ND	5.0	ug/Kg	04/05/2002 11:34	
Chloromethane	ND	10	ug/Kg	04/05/2002 11:34	
2-Chlorotoluene	ND	5.0	ug/Kg	04/05/2002 11:34	
4-Chlorotoluene	ND	5.0	ug/Kg	04/05/2002 11:34	
Dibromochloromethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/05/2002 11:34	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1-Dichloropropene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/05/2002 11:34	
1,2-Dibromoethane	ND	10	ug/Kg	04/05/2002 11:34	
Dibromomethane	ND	10	ug/Kg	04/05/2002 11:34	
Dichlorodifluoromethane	ND	10	ug/Kg	04/05/2002 11:34	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/05/2002 11:34	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/05/2002 11:34	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/05/2002 11:34	
Ethylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94586

Method Blank

Soil

QC Batch # 2002/04/05-01.09

MB: 2002/04/05-01.09-005

Date Extracted: 04/05/2002 11:34

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/05/2002 11:34	
2-Hexanone	ND	50	ug/Kg	04/05/2002 11:34	
Isopropylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/05/2002 11:34	
Methylene chloride	ND	5.0	ug/Kg	04/05/2002 11:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/05/2002 11:34	
Naphthalene	ND	10	ug/Kg	04/05/2002 11:34	
n-Propylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Styrene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
Tetrachloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
Toluene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
Trichloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/05/2002 11:34	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Vinyl acetate	ND	50	ug/Kg	04/05/2002 11:34	
Vinyl chloride	ND	5.0	ug/Kg	04/05/2002 11:34	
Total xylenes	ND	5.0	ug/Kg	04/05/2002 11:34	
Surrogate(s)					
4-Bromofluorobenzene	107.3	74-121	%	04/05/2002 11:34	
1,2-Dichloroethane-d4	109.3	70-121	%	04/05/2002 11:34	
Toluene-d8	110.6	81-117	%	04/05/2002 11:34	

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

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
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

STL San Francisco
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Pleasanton, CA 94566

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

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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	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			

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 # 2002/04/04-01.09
 LCS: 2002/04/04-01.09-002 Extracted: 04/04/2002 10:35 Analyzed: 04/04/2002 10:35
 LCSD: 2002/04/04-01.09-003 Extracted: 04/04/2002 11:06 Analyzed: 04/04/2002 11:06

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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	95.0	97.2	100.0	100.0	95.0	97.2	2.3	69-129	20		
Chlorobenzene	99.8	102	100.0	100.0	99.8	102.0	2.2	61-121	20		
1,1-Dichloroethene	94.0	91.7	100.0	100.0	94.0	91.7	2.5	65-125	20		
Toluene	103	100	100.0	100.0	103.0	100.0	3.0	70-130	20		
Trichloroethene	100	101	100.0	100.0	100.0	101.0	1.0	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	573	570	500	500	114.6	114.0		74-121			
1,2-Dichloroethane-d4	526	509	500	500	105.2	101.8		70-121			
Toluene-d8	573	556	500	500	114.6	111.2		81-117			

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

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/01-01.09
 LCS: 2002/04/01-01.09-026 Extracted: 04/01/2002 13:52 Analyzed: 04/01/2002 13:52
 LCSD: 2002/04/01-01.09-004 Extracted: 04/01/2002 11:54 Analyzed: 04/01/2002 11:54

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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	97.2	97.2	100.0	100.0	97.2	97.2	0.0	69-129	20				
Chlorobenzene	92.7	94.1	100.0	100.0	92.7	94.1	1.5	61-121	20				
1,1-Dichloroethene	89.2	96.4	100.0	100.0	89.2	96.4	7.8	65-125	20				
Toluene	99.0	101	100.0	100.0	99.0	101.0	2.0	70-130	20				
Trichloroethene	98.7	101	100.0	100.0	98.7	101.0	2.3	74-134	20				
Surrogate(s)													
4-Bromofluorobenzene	536	539	500	500	107.2	107.8		74-121					
1,2-Dichloroethane-d4	534	539	500	500	106.8	107.8		70-121					
Toluene-d8	552	551	500	500	110.4	110.2		81-117					

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

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/05-01.09
 LCS: 2002/04/05-01.09-003 Extracted: 04/05/2002 10:34 Analyzed: 04/05/2002 10:34
 LCSD: 2002/04/05-01.09-004 Extracted: 04/05/2002 11:08 Analyzed: 04/05/2002 11:08

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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	101	96.7	100.0	100.0	101.0	96.7	4.4	69-129	20		
Chlorobenzene	101	97.2	100.0	100.0	101.0	97.2	3.8	61-121	20		
1,1-Dichloroethene	96.0	100	100.0	100.0	96.0	100.0	4.1	65-125	20		
Toluene	100	99.3	100.0	100.0	100.0	99.3	0.7	70-130	20		
Trichloroethene	102	102	100.0	100.0	102.0	102.0	0.0	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	557	586	500	500	111.4	117.2		74-121			
1,2-Dichloroethane-d4	520	518	500	500	104.0	103.6		70-121			
Toluene-d8	559	554	500	500	111.8	110.8		81-117			

Submission #: 2002-03-0527

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.

**SEVERN
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CA DHS ELAP#1094

Submission #: 2002-03-0527

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

SitePort of Oakland

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
TB-032602A	Water	03/26/2002 15:45	20
TB-032602B	Water	03/26/2002 16:40	35
MFC-15-GW	Water	03/26/2002	40

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Attn: Chris Alger

Test Method: 8260B

Prep Method: 5030B

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Pleasanton, CA 94566Tel 925 484 1919
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CA DHS ELAP#1094

Sample ID: TB-032602A	Lab Sample ID: 2002-03-0527-020
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 22:39
Sampled: 03/26/2002 15:45	QC-Batch: 2002/04/03-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	04/03/2002 22:39	
Acetone	ND	50	ug/L	1.00	04/03/2002 22:39	
Benzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Bromobenzene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
Bromochloromethane	ND	1.0	ug/L	1.00	04/03/2002 22:39	
Bromoform	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Bromomethane	ND	1.0	ug/L	1.00	04/03/2002 22:39	
2-Butanone(MEK)	ND	50	ug/L	1.00	04/03/2002 22:39	
n-Butylbenzene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
sec-Butylbenzene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
tert-Butylbenzene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
Carbon disulfide	ND	5.0	ug/L	1.00	04/03/2002 22:39	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Chlorobenzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Chloroethane	ND	1.0	ug/L	1.00	04/03/2002 22:39	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	04/03/2002 22:39	
Chloroform	ND	1.0	ug/L	1.00	04/03/2002 22:39	
Chloromethane	ND	1.0	ug/L	1.00	04/03/2002 22:39	
2-Chlorotoluene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
4-Chlorotoluene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	04/03/2002 22:39	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	04/03/2002 22:39	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Dibromomethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/03/2002 22:39	

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-032602A	Lab Sample ID: 2002-03-0527-020
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 22:39
Sampled: 03/26/2002 15:45	QC-Batch: 2002/04/03-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Ethylbenzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
2-Hexanone	ND	50	ug/L	1.00	04/03/2002 22:39	
Isopropylbenzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
Methylene chloride	ND	5.0	ug/L	1.00	04/03/2002 22:39	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	04/03/2002 22:39	
Naphthalene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
n-Propylbenzene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
Styrene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Toluene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	04/03/2002 22:39	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Trichloroethene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	04/03/2002 22:39	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Vinyl acetate	ND	25	ug/L	1.00	04/03/2002 22:39	
Vinyl chloride	ND	0.50	ug/L	1.00	04/03/2002 22:39	
Total xylenes	ND	1.0	ug/L	1.00	04/03/2002 22:39	
Surrogate(s)						
4-Bromofluorobenzene	101.1	86-115	%	1.00	04/03/2002 22:39	
1,2-Dichloroethane-d4	103.2	76-114	%	1.00	04/03/2002 22:39	
Toluene-d8	96.0	88-110	%	1.00	04/03/2002 22:39	

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-032602B	Lab Sample ID: 2002-03-0527-035
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 17:01
Sampled: 03/26/2002 16:40	QC-Batch: 2002/04/04-01.60
Matrix: Water	

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

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-032602B	Lab Sample ID: 2002-03-0527-035
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 17:01
Sampled: 03/26/2002 16:40	QC-Batch: 2002/04/04-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
Ethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	04/04/2002 17:01	
2-Hexanone	ND	50	ug/L	1.00	04/04/2002 17:01	
Isopropylbenzene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	04/04/2002 17:01	
Methylene chloride	ND	5.0	ug/L	1.00	04/04/2002 17:01	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	04/04/2002 17:01	
Naphthalene	ND	1.0	ug/L	1.00	04/04/2002 17:01	
n-Propylbenzene	ND	1.0	ug/L	1.00	04/04/2002 17:01	
Styrene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:01	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:01	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
Toluene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 17:01	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 17:01	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:01	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:01	
Trichloroethene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	04/04/2002 17:01	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	04/04/2002 17:01	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 17:01	
Vinyl acetate	ND	25	ug/L	1.00	04/04/2002 17:01	
Vinyl chloride	ND	0.50	ug/L	1.00	04/04/2002 17:01	
Total xylenes	ND	1.0	ug/L	1.00	04/04/2002 17:01	
Surrogate(s)						
4-Bromofluorobenzene	102.5	86-115	%	1.00	04/04/2002 17:01	
1,2-Dichloroethane-d4	105.0	76-114	%	1.00	04/04/2002 17:01	
Toluene-d8	98.1	88-110	%	1.00	04/04/2002 17:01	

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-15-GW	Lab Sample ID: 2002-03-0527-040
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 14:06
Sampled: 03/26/2002	QC-Batch: 2002/04/05-01.60
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	04/05/2002 14:06	
Acetone	ND	200	ug/L	4.00	04/05/2002 14:06	
Benzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Bromodichloromethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Bromobenzene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
Bromochloromethane	ND	4.0	ug/L	4.00	04/05/2002 14:06	
Bromoform	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Bromomethane	ND	4.0	ug/L	4.00	04/05/2002 14:06	
2-Butanone(MEK)	ND	200	ug/L	4.00	04/05/2002 14:06	
n-Butylbenzene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
sec-Butylbenzene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
tert-Butylbenzene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
Carbon disulfide	ND	20	ug/L	4.00	04/05/2002 14:06	
Carbon tetrachloride	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Chlorobenzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Chloroethane	ND	4.0	ug/L	4.00	04/05/2002 14:06	
2-Chloroethylvinyl ether	ND	20	ug/L	4.00	04/05/2002 14:06	
Chloroform	ND	4.0	ug/L	4.00	04/05/2002 14:06	
Chloromethane	ND	4.0	ug/L	4.00	04/05/2002 14:06	
2-Chlorotoluene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
4-Chlorotoluene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Dibromochloromethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,2-Dichlorobenzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,3-Dichlorobenzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,4-Dichlorobenzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,3-Dichloropropane	ND	4.0	ug/L	4.00	04/05/2002 14:06	
2,2-Dichloropropane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,1-Dichloropropene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,2-Dibromo-3-chloropropane	ND	4.0	ug/L	4.00	04/05/2002 14:06	
1,2-Dibromoethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Dibromomethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Dichlorodifluoromethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,1-Dichloroethane	2.8	2.0	ug/L	4.00	04/05/2002 14:06	
1,2-Dichloroethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,1-Dichloroethene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
cis-1,2-Dichloroethene	260	2.0	ug/L	4.00	04/05/2002 14:06	
trans-1,2-Dichloroethene	22	2.0	ug/L	4.00	04/05/2002 14:06	

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-15-GW	Lab Sample ID: 2002-03-0527-040
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 14:06
Sampled: 03/26/2002	QC-Batch: 2002/04/05-01.60
Matrix: Water	
Sample/Analysis Flag: o (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
1,2-Dichloropropane	48	2.0	ug/L	4.00	04/05/2002 14:06	
cis-1,3-Dichloropropene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
trans-1,3-Dichloropropene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Ethylbenzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Hexachlorobutadiene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
2-Hexanone	ND	200	ug/L	4.00	04/05/2002 14:06	
Isopropylbenzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
p-Isopropyltoluene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
Methylene chloride	ND	20	ug/L	4.00	04/05/2002 14:06	
4-Methyl-2-pentanone (MIBK)	ND	200	ug/L	4.00	04/05/2002 14:06	
Naphthalene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
n-Propylbenzene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
Styrene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Tetrachloroethene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Toluene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,2,3-Trichlorobenzene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
1,2,4-Trichlorobenzene	ND	4.0	ug/L	4.00	04/05/2002 14:06	
1,1,1-Trichloroethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,1,2-Trichloroethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Trichloroethene	3.2	2.0	ug/L	4.00	04/05/2002 14:06	
Trichlorofluoromethane	ND	4.0	ug/L	4.00	04/05/2002 14:06	
Trichlorotrifluoroethane	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,2,4-Trimethylbenzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
1,3,5-Trimethylbenzene	ND	2.0	ug/L	4.00	04/05/2002 14:06	
Vinyl acetate	ND	100	ug/L	4.00	04/05/2002 14:06	
Vinyl chloride	3.6	2.0	ug/L	4.00	04/05/2002 14:06	
Total xylenes	ND	4.0	ug/L	4.00	04/05/2002 14:06	
Surrogate(s)						
4-Bromofluorobenzene	100.2	86-115	%	4.00	04/05/2002 14:06	
1,2-Dichloroethane-d4	100.6	76-114	%	4.00	04/05/2002 14:06	
Toluene-d8	95.6	88-110	%	4.00	04/05/2002 14:06	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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Method Blank

Water

QC Batch # 2002/04/03-01.60

MB: 2002/04/03-01.60-007

Date Extracted: 04/03/2002 12:07

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	04/03/2002 12:07	
Acetone	ND	50	ug/L	04/03/2002 12:07	
Benzene	ND	0.5	ug/L	04/03/2002 12:07	
Bromodichloromethane	ND	0.5	ug/L	04/03/2002 12:07	
Bromobenzene	ND	1.0	ug/L	04/03/2002 12:07	
Bromochloromethane	ND	1.0	ug/L	04/03/2002 12:07	
Bromoform	ND	0.5	ug/L	04/03/2002 12:07	
Bromomethane	ND	1.0	ug/L	04/03/2002 12:07	
2-Butanone(MEK)	ND	50	ug/L	04/03/2002 12:07	
n-Butylbenzene	ND	1.0	ug/L	04/03/2002 12:07	
sec-Butylbenzene	ND	1.0	ug/L	04/03/2002 12:07	
tert-Butylbenzene	ND	1.0	ug/L	04/03/2002 12:07	
Carbon disulfide	ND	5.0	ug/L	04/03/2002 12:07	
Carbon tetrachloride	ND	0.5	ug/L	04/03/2002 12:07	
Chlorobenzene	ND	0.5	ug/L	04/03/2002 12:07	
Chloroethane	ND	1.0	ug/L	04/03/2002 12:07	
2-Chloroethylvinyl ether	ND	5.0	ug/L	04/03/2002 12:07	
Chloroform	ND	1.0	ug/L	04/03/2002 12:07	
Chloromethane	ND	1.0	ug/L	04/03/2002 12:07	
2-Chlorotoluene	ND	0.5	ug/L	04/03/2002 12:07	
4-Chlorotoluene	ND	0.5	ug/L	04/03/2002 12:07	
Dibromochloromethane	ND	0.5	ug/L	04/03/2002 12:07	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/03/2002 12:07	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/03/2002 12:07	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/03/2002 12:07	
1,3-Dichloropropane	ND	1.0	ug/L	04/03/2002 12:07	
2,2-Dichloropropane	ND	0.5	ug/L	04/03/2002 12:07	
1,1-Dichloropropene	ND	0.5	ug/L	04/03/2002 12:07	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/03/2002 12:07	
1,2-Dibromoethane	ND	0.5	ug/L	04/03/2002 12:07	
Dibromomethane	ND	0.5	ug/L	04/03/2002 12:07	
Dichlorodifluoromethane	ND	0.5	ug/L	04/03/2002 12:07	
1,1-Dichloroethane	ND	0.5	ug/L	04/03/2002 12:07	
1,2-Dichloroethane	ND	0.5	ug/L	04/03/2002 12:07	
1,1-Dichloroethene	ND	0.5	ug/L	04/03/2002 12:07	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/03/2002 12:07	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/03/2002 12:07	
1,2-Dichloropropane	ND	0.5	ug/L	04/03/2002 12:07	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/03/2002 12:07	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/03/2002 12:07	
Ethylbenzene	ND	0.5	ug/L	04/03/2002 12:07	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

Method Blank

Water

QC Batch # 2002/04/03-01.60

MB: 2002/04/03-01.60-007

Date Extracted: 04/03/2002 12:07

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	04/03/2002 12:07	
2-Hexanone	ND	50	ug/L	04/03/2002 12:07	
Isopropylbenzene	ND	0.5	ug/L	04/03/2002 12:07	
p-Isopropyltoluene	ND	1.0	ug/L	04/03/2002 12:07	
Methylene chloride	ND	5.0	ug/L	04/03/2002 12:07	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	04/03/2002 12:07	
Naphthalene	ND	1.0	ug/L	04/03/2002 12:07	
n-Propylbenzene	ND	1.0	ug/L	04/03/2002 12:07	
Styrene	ND	0.5	ug/L	04/03/2002 12:07	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	04/03/2002 12:07	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/03/2002 12:07	
Tetrachloroethene	ND	0.5	ug/L	04/03/2002 12:07	
Toluene	ND	0.5	ug/L	04/03/2002 12:07	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/03/2002 12:07	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/03/2002 12:07	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/03/2002 12:07	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/03/2002 12:07	
Trichloroethene	ND	0.5	ug/L	04/03/2002 12:07	
Trichlorofluoromethane	ND	1.0	ug/L	04/03/2002 12:07	
Trichlorotrifluoroethane	ND	0.5	ug/L	04/03/2002 12:07	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	04/03/2002 12:07	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	04/03/2002 12:07	
Vinyl acetate	ND	25	ug/L	04/03/2002 12:07	
Vinyl chloride	ND	0.5	ug/L	04/03/2002 12:07	
Total xylenes	ND	1.0	ug/L	04/03/2002 12:07	
Surrogate(s)					
4-Bromofluorobenzene	94.6	86-115	%	04/03/2002 12:07	
1,2-Dichloroethane-d4	94.5	76-114	%	04/03/2002 12:07	
Toluene-d8	94.1	88-110	%	04/03/2002 12:07	

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 # 2002/04/04-01.60

MB: 2002/04/04-01.60-005

Date Extracted: 04/04/2002 13:05

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	04/04/2002 13:05	
Acetone	ND	50	ug/L	04/04/2002 13:05	
Benzene	ND	0.5	ug/L	04/04/2002 13:05	
Bromodichloromethane	ND	0.5	ug/L	04/04/2002 13:05	
Bromobenzene	ND	1.0	ug/L	04/04/2002 13:05	
Bromochloromethane	ND	1.0	ug/L	04/04/2002 13:05	
Bromoform	ND	0.5	ug/L	04/04/2002 13:05	
Bromomethane	ND	1.0	ug/L	04/04/2002 13:05	
2-Butanone(MEK)	ND	50	ug/L	04/04/2002 13:05	
n-Butylbenzene	ND	1.0	ug/L	04/04/2002 13:05	
sec-Butylbenzene	ND	1.0	ug/L	04/04/2002 13:05	
tert-Butylbenzene	ND	1.0	ug/L	04/04/2002 13:05	
Carbon disulfide	ND	5.0	ug/L	04/04/2002 13:05	
Carbon tetrachloride	ND	0.5	ug/L	04/04/2002 13:05	
Chlorobenzene	ND	0.5	ug/L	04/04/2002 13:05	
Chloroethane	ND	1.0	ug/L	04/04/2002 13:05	
2-Chloroethylvinyl ether	ND	5.0	ug/L	04/04/2002 13:05	
Chloroform	ND	1.0	ug/L	04/04/2002 13:05	
Chloromethane	ND	1.0	ug/L	04/04/2002 13:05	
2-Chlorotoluene	ND	0.5	ug/L	04/04/2002 13:05	
4-Chlorotoluene	ND	0.5	ug/L	04/04/2002 13:05	
Dibromochloromethane	ND	0.5	ug/L	04/04/2002 13:05	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 13:05	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 13:05	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 13:05	
1,3-Dichloropropane	ND	1.0	ug/L	04/04/2002 13:05	
2,2-Dichloropropane	ND	0.5	ug/L	04/04/2002 13:05	
1,1-Dichloropropene	ND	0.5	ug/L	04/04/2002 13:05	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/04/2002 13:05	
1,2-Dibromoethane	ND	0.5	ug/L	04/04/2002 13:05	
Dibromomethane	ND	0.5	ug/L	04/04/2002 13:05	
Dichlorodifluoromethane	ND	0.5	ug/L	04/04/2002 13:05	
1,1-Dichloroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,2-Dichloroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,1-Dichloroethene	ND	0.5	ug/L	04/04/2002 13:05	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/04/2002 13:05	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/04/2002 13:05	
1,2-Dichloropropane	ND	0.5	ug/L	04/04/2002 13:05	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/04/2002 13:05	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/04/2002 13:05	
Ethylbenzene	ND	0.5	ug/L	04/04/2002 13:05	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

Method Blank

Water

QC Batch # 2002/04/04-01.60

MB: 2002/04/04-01.60-005

Date Extracted: 04/04/2002 13:05

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	04/04/2002 13:05	
2-Hexanone	ND	50	ug/L	04/04/2002 13:05	
Isopropylbenzene	ND	0.5	ug/L	04/04/2002 13:05	
p-Isopropyltoluene	ND	1.0	ug/L	04/04/2002 13:05	
Methylene chloride	ND	5.0	ug/L	04/04/2002 13:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	04/04/2002 13:05	
Naphthalene	ND	1.0	ug/L	04/04/2002 13:05	
n-Propylbenzene	ND	1.0	ug/L	04/04/2002 13:05	
Styrene	ND	0.5	ug/L	04/04/2002 13:05	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/04/2002 13:05	
Tetrachloroethene	ND	0.5	ug/L	04/04/2002 13:05	
Toluene	ND	0.5	ug/L	04/04/2002 13:05	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/04/2002 13:05	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/04/2002 13:05	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/04/2002 13:05	
Trichloroethene	ND	0.5	ug/L	04/04/2002 13:05	
Trichlorofluoromethane	ND	1.0	ug/L	04/04/2002 13:05	
Trichlorotrifluoroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	04/04/2002 13:05	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	04/04/2002 13:05	
Vinyl acetate	ND	25	ug/L	04/04/2002 13:05	
Vinyl chloride	ND	0.5	ug/L	04/04/2002 13:05	
Total xylenes	ND	1.0	ug/L	04/04/2002 13:05	
Surrogate(s)					
4-Bromofluorobenzene	99.6	86-115	%	04/04/2002 13:05	
1,2-Dichloroethane-d4	100.4	76-114	%	04/04/2002 13:05	
Toluene-d8	98.5	88-110	%	04/04/2002 13:05	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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CA DHS ELAP#1094

Method Blank	Water	QC Batch # 2002/04/05-01.60
MB: 2002/04/05-01.60-058		Date Extracted: 04/05/2002 12:58

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	04/05/2002 12:58	
Acetone	ND	50	ug/L	04/05/2002 12:58	
Benzene	ND	0.5	ug/L	04/05/2002 12:58	
Bromodichloromethane	ND	0.5	ug/L	04/05/2002 12:58	
Bromobenzene	ND	1.0	ug/L	04/05/2002 12:58	
Bromochloromethane	ND	1.0	ug/L	04/05/2002 12:58	
Bromoform	ND	0.5	ug/L	04/05/2002 12:58	
Bromomethane	ND	1.0	ug/L	04/05/2002 12:58	
2-Butanone(MEK)	ND	50	ug/L	04/05/2002 12:58	
n-Butylbenzene	ND	1.0	ug/L	04/05/2002 12:58	
sec-Butylbenzene	ND	1.0	ug/L	04/05/2002 12:58	
tert-Butylbenzene	ND	1.0	ug/L	04/05/2002 12:58	
Carbon disulfide	ND	5.0	ug/L	04/05/2002 12:58	
Carbon tetrachloride	ND	0.5	ug/L	04/05/2002 12:58	
Chlorobenzene	ND	0.5	ug/L	04/05/2002 12:58	
Chloroethane	ND	1.0	ug/L	04/05/2002 12:58	
2-Chloroethylvinyl ether	ND	5.0	ug/L	04/05/2002 12:58	
Chloroform	ND	1.0	ug/L	04/05/2002 12:58	
Chloromethane	ND	1.0	ug/L	04/05/2002 12:58	
2-Chlorotoluene	ND	0.5	ug/L	04/05/2002 12:58	
4-Chlorotoluene	ND	0.5	ug/L	04/05/2002 12:58	
Dibromochloromethane	ND	0.5	ug/L	04/05/2002 12:58	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/05/2002 12:58	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/05/2002 12:58	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/05/2002 12:58	
1,3-Dichloropropane	ND	1.0	ug/L	04/05/2002 12:58	
2,2-Dichloropropane	ND	0.5	ug/L	04/05/2002 12:58	
1,1-Dichloropropene	ND	0.5	ug/L	04/05/2002 12:58	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/05/2002 12:58	
1,2-Dibromoethane	ND	0.5	ug/L	04/05/2002 12:58	
Dibromomethane	ND	0.5	ug/L	04/05/2002 12:58	
Dichlorodifluoromethane	ND	0.5	ug/L	04/05/2002 12:58	
1,1-Dichloroethane	ND	0.5	ug/L	04/05/2002 12:58	
1,2-Dichloroethane	ND	0.5	ug/L	04/05/2002 12:58	
1,1-Dichloroethene	ND	0.5	ug/L	04/05/2002 12:58	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/05/2002 12:58	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/05/2002 12:58	
1,2-Dichloropropane	ND	0.5	ug/L	04/05/2002 12:58	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/05/2002 12:58	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/05/2002 12:58	
Ethylbenzene	ND	0.5	ug/L	04/05/2002 12:58	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

Method Blank

Water

QC Batch # 2002/04/05-01.60

MB: 2002/04/05-01.60-058

Date Extracted: 04/05/2002 12:58

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	04/05/2002 12:58	
2-Hexanone	ND	50	ug/L	04/05/2002 12:58	
Isopropylbenzene	ND	0.5	ug/L	04/05/2002 12:58	
p-Isopropyltoluene	ND	1.0	ug/L	04/05/2002 12:58	
Methylene chloride	ND	5.0	ug/L	04/05/2002 12:58	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	04/05/2002 12:58	
Naphthalene	ND	1.0	ug/L	04/05/2002 12:58	
n-Propylbenzene	ND	1.0	ug/L	04/05/2002 12:58	
Styrene	ND	0.5	ug/L	04/05/2002 12:58	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	04/05/2002 12:58	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/05/2002 12:58	
Tetrachloroethene	ND	0.5	ug/L	04/05/2002 12:58	
Toluene	ND	0.5	ug/L	04/05/2002 12:58	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/05/2002 12:58	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/05/2002 12:58	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/05/2002 12:58	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/05/2002 12:58	
Trichloroethene	ND	0.5	ug/L	04/05/2002 12:58	
Trichlorofluoromethane	ND	1.0	ug/L	04/05/2002 12:58	
Trichlorotrifluoroethane	ND	0.5	ug/L	04/05/2002 12:58	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	04/05/2002 12:58	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	04/05/2002 12:58	
Vinyl acetate	ND	25	ug/L	04/05/2002 12:58	
Vinyl chloride	ND	0.5	ug/L	04/05/2002 12:58	
Total xylenes	ND	1.0	ug/L	04/05/2002 12:58	
Surrogate(s)					
4-Bromofluorobenzene	96.6	86-115	%	04/05/2002 12:58	
1,2-Dichloroethane-d4	98.6	76-114	%	04/05/2002 12:58	
Toluene-d8	97.2	88-110	%	04/05/2002 12:58	

Submission #: 2002-03-0527



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 # 2002/04/03-01.60
LCS: 2002/04/03-01.60-059 Extracted: 04/03/2002 10:59 Analyzed: 04/03/2002 10:59
LCSD: 2002/04/03-01.60-033 Extracted: 04/03/2002 11:33 Analyzed: 04/03/2002 11:33

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	18.6	20.0	20.0	94.0	93.0	1.1	69-129	20		
Chlorobenzene	21.2	20.5	20.0	20.0	106.0	102.5	3.4	61-121	20		
1,1-Dichloroethene	17.8	17.5	20.0	20.0	89.0	87.5	1.7	65-125	20		
Toluene	19.7	18.6	20.0	20.0	98.5	93.0	5.7	70-130	20		
Trichloroethene	18.6	17.8	20.0	20.0	93.0	89.0	4.4	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	540	527	500	500	108.0	105.4		86-115			
1,2-Dichloroethane-d4	448	493	500	500	89.6	98.6		76-114			
Toluene-d8	483	472	500	500	96.6	94.4		88-110			

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/04-01.60
 LCS: 2002/04/04-01.60-058 Extracted: 04/04/2002 11:58 Analyzed: 04/04/2002 11:58
 LCSD: 2002/04/04-01.60-032 Extracted: 04/04/2002 12:32 Analyzed: 04/04/2002 12:32

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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
Benzene	19.2	19.1	20.0	20.0	96.0	95.5	0.5	69-129	20		
Chlorobenzene	21.3	20.3	20.0	20.0	106.5	101.5	4.8	61-121	20		
1,1-Dichloroethene	19.1	18.4	20.0	20.0	95.5	92.0	3.7	65-125	20		
Toluene	19.3	18.8	20.0	20.0	96.5	94.0	2.6	70-130	20		
Trichloroethene	18.7	18.5	20.0	20.0	93.5	92.5	1.1	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	507	479	500	500	101.4	95.8		86-115			
1,2-Dichloroethane-d4	473	490	500	500	94.6	98.0		76-114			
Toluene-d8	487	484	500	500	97.4	96.8		88-110			

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/05-01.60
 LCS: 2002/04/05-01.60-051 Extracted: 04/05/2002 11:51 Analyzed: 04/05/2002 11:51
 LCSD: 2002/04/05-01.60-024 Extracted: 04/05/2002 12:24 Analyzed: 04/05/2002 12:24

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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	20.2	18.9	20.0	20.0	101.0	94.5	6.6	69-129	20		
Chlorobenzene	21.0	20.7	20.0	20.0	105.0	103.5	1.4	61-121	20		
1,1-Dichloroethene	18.8	18.6	20.0	20.0	94.0	93.0	1.1	65-125	20		
Toluene	19.8	19.2	20.0	20.0	99.0	96.0	3.1	70-130	20		
Trichloroethene	18.7	18.3	20.0	20.0	93.5	91.5	2.2	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	510	504	500	500	102.0	100.8		86-115			
1,2-Dichloroethane-d4	464	478	500	500	92.8	95.6		76-114			
Toluene-d8	474	473	500	500	94.8	94.6		88-110			

Submission #: 2002-03-0527



Volatile Organic Compounds by 8260B (Low Level)

Legend & Notes

Test Method: 8260B

Prep Method: 5030B

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Analysis Flags

o

Reporting limits were raised due to high level of analyte present in the sample. CA DHS ELAP#1094

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: Port of Oakland

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CA DHS ELAP#2496

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-37-GW	Water	03/26/2002 08:00	1
MFC-39-1.5-2.0	Soil	03/26/2002	2
MFC-32-1.5-2.0	Soil	03/26/2002 15:50	21
MFC-15-GW	Water	03/26/2002	40
MFC-29-Comp	Soil	03/26/2002	42
MFC-34-Comp	Soil	03/26/2002	43
MFC-41-Comp	Soil	03/26/2002	44
MFC-44-Comp	Soil	03/26/2002	45
MFC-40-Comp	Soil	03/26/2002	46
MFC-38-Comp	Soil	03/26/2002	47
MFC-7-Comp	Soil	03/26/2002	48
MFC-5-Comp	Soil	03/26/2002	49
MFC-1-Comp	Soil	03/26/2002	50
MFC-6-Comp	Soil	03/26/2002	51
MFC-9-Comp	Soil	03/26/2002	52
MFC-8-Comp	Soil	03/26/2002	53

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

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CA DHS ELAP#2496

Sample ID: MFC-37-GW	Lab Sample ID: 2002-03-0527-001
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/26/2002 08:00	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	4.7	ug/L	2.40	04/02/2002 13:29	
Bis(2-chloroethyl)ether	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2-Chlorophenol	ND	4.7	ug/L	2.40	04/02/2002 13:29	
1,3-Dichlorobenzene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
1,4-Dichlorobenzene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Benzyl alcohol	ND	12	ug/L	2.40	04/02/2002 13:29	
1,2-Dichlorobenzene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2-Methylphenol	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Bis(2-chloroisopropyl) ether	ND	4.7	ug/L	2.40	04/02/2002 13:29	
4-Methylphenol	ND	4.7	ug/L	2.40	04/02/2002 13:29	
N-Nitroso-di-n-propylamine	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Hexachloroethane	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Nitrobenzene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Isophorone	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2-Nitrophenol	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2,4-Dimethylphenol	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Bis(2-chloroethoxy) methane	ND	12	ug/L	2.40	04/02/2002 13:29	
2,4-Dichlorophenol	ND	4.7	ug/L	2.40	04/02/2002 13:29	
1,2,4-Trichlorobenzene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Naphthalene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
4-Chloroaniline	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Hexachlorobutadiene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
4-Chloro-3-methylphenol	ND	12	ug/L	2.40	04/02/2002 13:29	
2-Methylnaphthalene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Hexachlorocyclopentadiene	ND	12	ug/L	2.40	04/02/2002 13:29	
2,4,6-Trichlorophenol	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2,4,5-Trichlorophenol	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2-Chloronaphthalene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2-Nitroaniline	ND	24	ug/L	2.40	04/02/2002 13:29	
Dimethyl phthalate	ND	12	ug/L	2.40	04/02/2002 13:29	
Acenaphthylene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
3-Nitroaniline	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Acenaphthene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2,4-Dinitrophenol	ND	24	ug/L	2.40	04/02/2002 13:29	
4-Nitrophenol	ND	24	ug/L	2.40	04/02/2002 13:29	
Dibenzofuran	ND	4.7	ug/L	2.40	04/02/2002 13:29	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

Sample ID: MFC-37-GW	Lab Sample ID: 2002-03-0527-001
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/26/2002 08:00	QC-Batch: 2002/03/27-01.11
Matrix: Water	
Sample/Analysis Flag: rl (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
2,6-Dinitrotoluene	ND	12	ug/L	2.40	04/02/2002 13:29	
Diethyl phthalate	ND	12	ug/L	2.40	04/02/2002 13:29	
4-Chlorophenyl phenyl ether	ND	12	ug/L	2.40	04/02/2002 13:29	
Fluorene	18	4.7	ug/L	2.40	04/02/2002 13:29	
4-Nitroaniline	ND	24	ug/L	2.40	04/02/2002 13:29	
2-Methyl-4,6-dinitrophenol	ND	24	ug/L	2.40	04/02/2002 13:29	
N-Nitrosodiphenylamine	ND	4.7	ug/L	2.40	04/02/2002 13:29	
4-Bromophenyl phenyl ether	ND	12	ug/L	2.40	04/02/2002 13:29	
Hexachlorobenzene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Pentachlorophenol	ND	24	ug/L	2.40	04/02/2002 13:29	
Phenanthrene	32	4.7	ug/L	2.40	04/02/2002 13:29	
Anthracene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Di-n-butyl phthalate	ND	12	ug/L	2.40	04/02/2002 13:29	
Fluoranthene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Pyrene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Butyl benzyl phthalate	ND	12	ug/L	2.40	04/02/2002 13:29	
3,3-Dichlorobenzidine	ND	12	ug/L	2.40	04/02/2002 13:29	
Benzo(a)anthracene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
bis(2-Ethylhexyl) phthalate	ND	24	ug/L	2.40	04/02/2002 13:29	
Chrysene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Di-n-octyl phthalate	ND	12	ug/L	2.40	04/02/2002 13:29	
Benzo(b)fluoranthene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Benzo(k)fluoranthene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Benzo(a)pyrene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Indeno(1,2,3-c,d)pyrene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Dibenzo(a,h)anthracene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Benzo(g,h,i)perylene	ND	4.7	ug/L	2.40	04/02/2002 13:29	
Benzoic acid	ND	24	ug/L	2.40	04/02/2002 13:29	
Surrogate(s)						
Nitrobenzene-d5	73.5	35-114	%	2.40	04/02/2002 13:29	
2-Fluorobiphenyl	90.1	43-116	%	2.40	04/02/2002 13:29	
p-Terphenyl-d14	113.0	33-141	%	2.40	04/02/2002 13:29	
2-Fluorophenol	57.6	25-100	%	2.40	04/02/2002 13:29	
Phenol-d6	46.2	10-110	%	2.40	04/02/2002 13:29	
2,4,6-Tribromophenol	88.8	10-123	%	2.40	04/02/2002 13:29	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-39-1.5-2.0	Lab Sample ID: 2002-03-0527-002
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Isophorone	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Naphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 15:56	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 15:56	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 15:56	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-39-1.5-2.0	Lab Sample ID: 2002-03-0527-002
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
Fluorene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 15:56	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 15:56	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/02/2002 15:56	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/02/2002 15:56	
Chrysene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 15:56	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/02/2002 15:56	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/02/2002 15:56	
Surrogate(s)						
Nitrobenzene-d5	42.4	23-120	%	1.00	04/02/2002 15:56	
2-Fluorobiphenyl	60.8	30-115	%	1.00	04/02/2002 15:56	
p-Terphenyl-d14	78.4	18-137	%	1.00	04/02/2002 15:56	
2-Fluorophenol	49.0	25-121	%	1.00	04/02/2002 15:56	
Phenol-d6	60.8	24-113	%	1.00	04/02/2002 15:56	
2,4,6-Tribromophenol	87.6	19-122	%	1.00	04/02/2002 15:56	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

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CA DHS ELAP#2496

Sample ID: MFC-32-1.5-2.0	Lab Sample ID: 2002-03-0527-021
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002 15:50	QC-Batch: 2002/03/29-02.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Isophorone	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Naphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 16:25	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 16:25	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 16:25	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C
3510C/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566Sample ID: **MFC-32-1.5-2.0**

Lab Sample ID: 2002-03-0527-021

Project: 01-201-A
Port of Oakland

Received: 03/26/2002 18:15

Site: Port of Oakland

Extracted: 04/03/2002 13:09

Sampled: 03/26/2002 15:50

QC-Batch: 2002/03/29-02.11

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	04/02/2002 16:25	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
Fluorene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 16:25	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 16:25	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/02/2002 16:25	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/02/2002 16:25	
Chrysene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 16:25	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/02/2002 16:25	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/02/2002 16:25	
Surrogate(s)						
Nitrobenzene-d5	66.9	23-120	%	1.00	04/02/2002 16:25	
2-Fluorobiphenyl	78.5	30-115	%	1.00	04/02/2002 16:25	
p-Terphenyl-d14	84.5	18-137	%	1.00	04/02/2002 16:25	
2-Fluorophenol	68.9	25-121	%	1.00	04/02/2002 16:25	
Phenol-d6	77.2	24-113	%	1.00	04/02/2002 16:25	
2,4,6-Tribromophenol	94.1	19-122	%	1.00	04/02/2002 16:25	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-15-GW	Lab Sample ID: 2002-03-0527-040
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/26/2002	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	03/29/2002 20:59	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2-Chlorophenol	ND	2.0	ug/L	1.00	03/29/2002 20:59	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Benzyl alcohol	ND	5.0	ug/L	1.00	03/29/2002 20:59	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2-Methylphenol	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	03/29/2002 20:59	
4-Methylphenol	ND	2.0	ug/L	1.00	03/29/2002 20:59	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Hexachloroethane	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Nitrobenzene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Isophorone	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2-Nitrophenol	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	03/29/2002 20:59	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	03/29/2002 20:59	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Naphthalene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
4-Chloroaniline	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	03/29/2002 20:59	
2-Methylnaphthalene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	03/29/2002 20:59	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2-Nitroaniline	ND	10	ug/L	1.00	03/29/2002 20:59	
Dimethyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 20:59	
Acenaphthylene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
3-Nitroaniline	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Acenaphthene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2,4-Dinitrophenol	ND	10	ug/L	1.00	03/29/2002 20:59	
4-Nitrophenol	ND	10	ug/L	1.00	03/29/2002 20:59	
Dibenzofuran	ND	2.0	ug/L	1.00	03/29/2002 20:59	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	03/29/2002 20:59	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

Sample ID: MFC-15-GW	Lab Sample ID: 2002-03-0527-040
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/27/2002 08:41
Sampled: 03/26/2002	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	5.0	ug/L	1.00	03/29/2002 20:59	
Diethyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 20:59	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	03/29/2002 20:59	
Fluorene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
4-Nitroaniline	ND	10	ug/L	1.00	03/29/2002 20:59	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	03/29/2002 20:59	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	03/29/2002 20:59	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	03/29/2002 20:59	
Hexachlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Pentachlorophenol	ND	10	ug/L	1.00	03/29/2002 20:59	
Phenanthrene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Anthracene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 20:59	
Fluoranthene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Pyrene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 20:59	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	03/29/2002 20:59	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	03/29/2002 20:59	
Chrysene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 20:59	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	03/29/2002 20:59	
Benzoic acid	ND	10	ug/L	1.00	03/29/2002 20:59	
Surrogate(s)						
Nitrobenzene-d5	80.8	35-114	%	1.00	03/29/2002 20:59	
2-Fluorobiphenyl	101.9	43-116	%	1.00	03/29/2002 20:59	
p-Terphenyl-d14	101.8	33-141	%	1.00	03/29/2002 20:59	
2-Fluorophenol	42.2	25-100	%	1.00	03/29/2002 20:59	
Phenol-d6	30.5	10-110	%	1.00	03/29/2002 20:59	
2,4,6-Tribromophenol	119.9	10-123	%	1.00	03/29/2002 20:59	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

Sample ID: MFC-29-Comp	Lab Sample ID: 2002-03-0527-042
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Isophorone	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Naphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 17:51	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 17:51	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 17:51	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

Sample ID: MFC-29-Comp	Lab Sample ID: 2002-03-0527-042
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
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	04/02/2002 17:51	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
Fluorene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 17:51	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 17:51	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/02/2002 17:51	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/02/2002 17:51	
Chrysene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 17:51	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/02/2002 17:51	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/02/2002 17:51	
Surrogate(s)						
Nitrobenzene-d5	68.2	23-120	%	1.00	04/02/2002 17:51	
2-Fluorobiphenyl	85.2	30-115	%	1.00	04/02/2002 17:51	
p-Terphenyl-d14	78.2	18-137	%	1.00	04/02/2002 17:51	
2-Fluorophenol	74.0	25-121	%	1.00	04/02/2002 17:51	
Phenol-d6	82.4	24-113	%	1.00	04/02/2002 17:51	
2,4,6-Tribromophenol	104.5	19-122	%	1.00	04/02/2002 17:51	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-34-Comp	Lab Sample ID: 2002-03-0527-043
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2-Methylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
4-Methylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Hexachloroethane	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Nitrobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Isophorone	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Naphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	04/02/2002 18:20	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
Acenaphthylene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Acenaphthene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 18:20	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 18:20	
Dibenzofuran	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

3510C/8270C

STL San Francisco

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CA DHS ELAP#2496

Sample ID: MFC-34-Comp	Lab Sample ID: 2002-03-0527-043
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
Fluorene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	04/02/2002 18:20	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 18:20	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	04/02/2002 18:20	
Phenanthrene	0.73	0.67	mg/Kg	10.00	04/02/2002 18:20	
Anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
Fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	04/02/2002 18:20	
Chrysene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 18:20	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	04/02/2002 18:20	
Benzoic acid	ND	3.3	mg/Kg	10.00	04/02/2002 18:20	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	10.00	04/02/2002 18:20	
2-Fluorobiphenyl	NA	30-115	%	10.00	04/02/2002 18:20	
p-Terphenyl-d14	NA	18-137	%	10.00	04/02/2002 18:20	
2-Fluorophenol	NA	25-121	%	10.00	04/02/2002 18:20	
Phenol-d6	NA	24-113	%	10.00	04/02/2002 18:20	
2,4,6-Tribromophenol	NA	19-122	%	10.00	04/02/2002 18:20	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

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1220 Quarry Lane
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CA DHS ELAP#2496

Sample ID: MFC-41-Comp	Lab Sample ID: 2002-03-0527-044
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Isophorone	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Naphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 18:49	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 18:49	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 18:49	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C
3510C/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566Sample ID: **MFC-41-Comp**

Lab Sample ID: 2002-03-0527-044

Project: 01-201-A
Port of Oakland

Received: 03/26/2002 18:15

Site: Port of Oakland

Extracted: 04/03/2002 13:09

Sampled: 03/26/2002

QC-Batch: 2002/03/29-02.11

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	04/02/2002 18:49	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
Fluorene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 18:49	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 18:49	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/02/2002 18:49	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/02/2002 18:49	
Chrysene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 18:49	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/02/2002 18:49	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/02/2002 18:49	
Surrogate(s)						
Nitrobenzene-d5	58.9	23-120	%	1.00	04/02/2002 18:49	
2-Fluorobiphenyl	63.6	30-115	%	1.00	04/02/2002 18:49	
p-Terphenyl-d14	75.3	18-137	%	1.00	04/02/2002 18:49	
2-Fluorophenol	62.3	25-121	%	1.00	04/02/2002 18:49	
Phenol-d6	70.8	24-113	%	1.00	04/02/2002 18:49	
2,4,6-Tribromophenol	80.9	19-122	%	1.00	04/02/2002 18:49	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

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

STL San Francisco
1220 Quarry Lane
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CA DHS ELAP#2496

Sample ID: MFC-44-Comp	Lab Sample ID: 2002-03-0527-045
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lm (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2-Methylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
4-Methylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Hexachloroethane	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Nitrobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Isophorone	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Naphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	04/02/2002 19:17	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
Acenaphthylene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Acenaphthene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 19:17	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 19:17	
Dibenzofuran	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C
3510C/8270CSTL San Francisco
1220 Quarry Lane
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CA DHS ELAP#2496

Sample ID: MFC-44-Comp	Lab Sample ID: 2002-03-0527-045
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo.lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
Fluorene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	04/02/2002 19:17	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 19:17	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	04/02/2002 19:17	
Phenanthrene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
Fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	04/02/2002 19:17	
Chrysene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 19:17	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	04/02/2002 19:17	
Benzoic acid	ND	3.3	mg/Kg	10.00	04/02/2002 19:17	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	10.00	04/02/2002 19:17	
2-Fluorobiphenyl	NA	30-115	%	10.00	04/02/2002 19:17	
p-Terphenyl-d14	NA	18-137	%	10.00	04/02/2002 19:17	
2-Fluorophenol	NA	25-121	%	10.00	04/02/2002 19:17	
Phenol-d6	NA	24-113	%	10.00	04/02/2002 19:17	
2,4,6-Tribromophenol	NA	19-122	%	10.00	04/02/2002 19:17	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-40-Comp	Lab Sample ID: 2002-03-0527-046
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Isophorone	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Naphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 19:46	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 19:46	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 19:46	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C
3510C/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566Sample ID: **MFC-40-Comp**

Lab Sample ID: 2002-03-0527-046

Project: 01-201-A
Port of Oakland

Received: 03/26/2002 18:15

Site: Port of Oakland

Extracted: 04/03/2002 13:09

Sampled: 03/26/2002

QC-Batch: 2002/03/29-02.11

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	04/02/2002 19:46	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
Fluorene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 19:46	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 19:46	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/02/2002 19:46	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/02/2002 19:46	
Chrysene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 19:46	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/02/2002 19:46	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/02/2002 19:46	
Surrogate(s)						
Nitrobenzene-d5	25.0	23-120	%	1.00	04/02/2002 19:46	
2-Fluorobiphenyl	33.5	30-115	%	1.00	04/02/2002 19:46	
p-Terphenyl-d14	53.1	18-137	%	1.00	04/02/2002 19:46	
2-Fluorophenol	28.4	25-121	%	1.00	04/02/2002 19:46	
Phenol-d6	34.6	24-113	%	1.00	04/02/2002 19:46	
2,4,6-Tribromophenol	61.2	19-122	%	1.00	04/02/2002 19:46	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-38-Comp	Lab Sample ID: 2002-03-0527-047
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Isophorone	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Naphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 20:15	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 20:15	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 20:15	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

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

Sample ID: MFC-38-Comp	Lab Sample ID: 2002-03-0527-047
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
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	04/02/2002 20:15	
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
Fluorene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/02/2002 20:15	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/02/2002 20:15	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/02/2002 20:15	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/02/2002 20:15	
Chrysene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/02/2002 20:15	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/02/2002 20:15	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/02/2002 20:15	
Surrogate(s)						
Nitrobenzene-d5	65.8	23-120	%	1.00	04/02/2002 20:15	
2-Fluorobiphenyl	78.3	30-115	%	1.00	04/02/2002 20:15	
p-Terphenyl-d14	82.0	18-137	%	1.00	04/02/2002 20:15	
2-Fluorophenol	73.3	25-121	%	1.00	04/02/2002 20:15	
Phenol-d6	81.1	24-113	%	1.00	04/02/2002 20:15	
2,4,6-Tribromophenol	100.7	19-122	%	1.00	04/02/2002 20:15	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-7-Comp	Lab Sample ID: 2002-03-0527-048
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo.lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2-Methylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
4-Methylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Hexachloroethane	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Nitrobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Isophorone	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Naphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	04/02/2002 20:44	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
Acenaphthylene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Acenaphthene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 20:44	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 20:44	
Dibenzofuran	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-7-Comp	Lab Sample ID: 2002-03-0527-048
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
Fluorene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	04/02/2002 20:44	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 20:44	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	04/02/2002 20:44	
Phenanthrene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
Fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	04/02/2002 20:44	
Chrysene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 20:44	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	04/02/2002 20:44	
Benzoic acid	ND	3.3	mg/Kg	10.00	04/02/2002 20:44	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	10.00	04/02/2002 20:44	
2-Fluorobiphenyl	NA	30-115	%	10.00	04/02/2002 20:44	
p-Terphenyl-d14	NA	18-137	%	10.00	04/02/2002 20:44	
2-Fluorophenol	NA	25-121	%	10.00	04/02/2002 20:44	
Phenol-d6	NA	24-113	%	10.00	04/02/2002 20:44	
2,4,6-Tribromophenol	NA	19-122	%	10.00	04/02/2002 20:44	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

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CA DHS ELAP#2496

Sample ID: **MFC-5-Comp** Lab Sample ID: 2002-03-0527-049
 Project: 01-201-A Received: 03/26/2002 18:15
 Port of Oakland
 Site: Port of Oakland Extracted: 04/03/2002 13:09
 Sampled: 03/26/2002 QC-Batch: 2002/03/29-02.11
 Matrix: Soil
 Sample/Analysis Flag: sdo.lrn (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2-Methylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
4-Methylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Hexachloroethane	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Nitrobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Isophorone	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Naphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	04/02/2002 21:13	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
Acenaphthylene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Acenaphthene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 21:13	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 21:13	
Dibenzofuran	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-5-Comp	Lab Sample ID: 2002-03-0527-049
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
Fluorene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	04/02/2002 21:13	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	04/02/2002 21:13	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	04/02/2002 21:13	
Phenanthrene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
Fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	04/02/2002 21:13	
Chrysene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	04/02/2002 21:13	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	04/02/2002 21:13	
Benzoic acid	ND	3.3	mg/Kg	10.00	04/02/2002 21:13	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	10.00	04/02/2002 21:13	
2-Fluorobiphenyl	NA	30-115	%	10.00	04/02/2002 21:13	
p-Terphenyl-d14	NA	18-137	%	10.00	04/02/2002 21:13	
2-Fluorophenol	NA	25-121	%	10.00	04/02/2002 21:13	
Phenol-d6	NA	24-113	%	10.00	04/02/2002 21:13	
2,4,6-Tribromophenol	NA	19-122	%	10.00	04/02/2002 21:13	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

STL San Francisco
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CA DHS ELAP#2496

Sample ID: MFC-1-Comp	Lab Sample ID: 2002-03-0527-050
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
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	04/03/2002 12:31	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2-Methylphenol	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
4-Methylphenol	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Hexachloroethane	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Nitrobenzene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Isophorone	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Naphthalene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	04/03/2002 12:31	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
Acenaphthylene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Acenaphthene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	04/03/2002 12:31	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	04/03/2002 12:31	
Dibenzofuran	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C
3510C/8270CSTL San Francisco
1220 Quarry Lane
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CA DHS ELAP#2496

Sample ID: MFC-1-Comp	Lab Sample ID: 2002-03-0527-050
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: Irm (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
Fluorene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	04/03/2002 12:31	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	04/03/2002 12:31	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	04/03/2002 12:31	
Phenanthrene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Anthracene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
Fluoranthene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Pyrene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	04/03/2002 12:31	
Chrysene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	04/03/2002 12:31	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	04/03/2002 12:31	
Benzoic acid	ND	1.7	mg/Kg	5.00	04/03/2002 12:31	
Surrogate(s)						
Nitrobenzene-d5	26.9	23-120	%	5.00	04/03/2002 12:31	
2-Fluorobiphenyl	45.0	30-115	%	5.00	04/03/2002 12:31	
p-Terphenyl-d14	69.4	18-137	%	5.00	04/03/2002 12:31	
2-Fluorophenol	34.4	25-121	%	5.00	04/03/2002 12:31	
Phenol-d6	44.0	24-113	%	5.00	04/03/2002 12:31	
2,4,6-Tribromophenol	83.3	19-122	%	5.00	04/03/2002 12:31	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

Sample ID: MFC-6-Comp	Lab Sample ID: 2002-03-0527-051
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo.lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2-Methylphenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
4-Methylphenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Hexachloroethane	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Nitrobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Isophorone	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Naphthalene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	04/03/2002 13:00	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
Acenaphthylene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Acenaphthene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	04/03/2002 13:00	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	04/03/2002 13:00	
Dibenzofuran	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

Sample ID: MFC-6-Comp	Lab Sample ID: 2002-03-0527-051
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lm (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
Fluorene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	04/03/2002 13:00	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	04/03/2002 13:00	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	04/03/2002 13:00	
Phenanthrene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Anthracene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
Fluoranthene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Pyrene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	04/03/2002 13:00	
Chrysene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:00	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	04/03/2002 13:00	
Benzoic acid	ND	3.3	mg/Kg	10.00	04/03/2002 13:00	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	10.00	04/03/2002 13:00	
2-Fluorobiphenyl	NA	30-115	%	10.00	04/03/2002 13:00	
p-Terphenyl-d14	NA	18-137	%	10.00	04/03/2002 13:00	
2-Fluorophenol	NA	25-121	%	10.00	04/03/2002 13:00	
Phenol-d6	NA	24-113	%	10.00	04/03/2002 13:00	
2,4,6-Tribromophenol	NA	19-122	%	10.00	04/03/2002 13:00	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C
3510C/8270CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566Tel 925 484 1919
Fax 925 484 1096
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CA DHS ELAP#2496

Sample ID: MFC-9-Comp	Lab Sample ID: 2002-03-0527-052
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2-Methylphenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
4-Methylphenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Hexachloroethane	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Nitrobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Isophorone	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Naphthalene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	04/03/2002 13:29	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
Acenaphthylene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Acenaphthene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	04/03/2002 13:29	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	04/03/2002 13:29	
Dibenzofuran	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

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

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-9-Comp	Lab Sample ID: 2002-03-0527-052
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: <i>sdo,lrn</i> (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
Fluorene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	04/03/2002 13:29	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	04/03/2002 13:29	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	04/03/2002 13:29	
Phenanthrene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Anthracene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
Fluoranthene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Pyrene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	04/03/2002 13:29	
Chrysene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	04/03/2002 13:29	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	04/03/2002 13:29	
Benzoic acid	ND	3.3	mg/Kg	10.00	04/03/2002 13:29	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	10.00	04/03/2002 13:29	
2-Fluorobiphenyl	NA	30-115	%	10.00	04/03/2002 13:29	
p-Terphenyl-d14	NA	18-137	%	10.00	04/03/2002 13:29	
2-Fluorophenol	NA	25-121	%	10.00	04/03/2002 13:29	
Phenol-d6	NA	24-113	%	10.00	04/03/2002 13:29	
2,4,6-Tribromophenol	NA	19-122	%	10.00	04/03/2002 13:29	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

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

STL San Francisco
1220 Quarry Lane
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CA DHS ELAP#2496

Sample ID: MFC-8-Comp	Lab Sample ID: 2002-03-0527-053
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo.lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Bis(2-chloroethyl)ether	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2-Chlorophenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
1,3-Dichlorobenzene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
1,4-Dichlorobenzene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Benzyl alcohol	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
1,2-Dichlorobenzene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2-Methylphenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Bis(2-chloroisopropyl) ether	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
4-Methylphenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
N-Nitroso-di-n-propylamine	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Hexachloroethane	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Nitrobenzene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Isophorone	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2-Nitrophenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2,4-Dimethylphenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Bis(2-chloroethoxy) methane	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
2,4-Dichlorophenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
1,2,4-Trichlorobenzene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Naphthalene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
4-Chloroaniline	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Hexachlorobutadiene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
4-Chloro-3-methylphenol	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
2-Methylnaphthalene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Hexachlorocyclopentadiene	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
2,4,6-Trichlorophenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2,4,5-Trichlorophenol	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2-Chloronaphthalene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2-Nitroaniline	ND	6.6	mg/Kg	20.00	04/03/2002 17:17	
Dimethyl phthalate	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
Acenaphthylene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
3-Nitroaniline	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Acenaphthene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2,4-Dinitrophenol	ND	6.6	mg/Kg	20.00	04/03/2002 17:17	
4-Nitrophenol	ND	6.6	mg/Kg	20.00	04/03/2002 17:17	
Dibenzofuran	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

3510C/8270C

STL San Francisco

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CA DHS ELAP#2496

Sample ID: MFC-8-Comp	Lab Sample ID: 2002-03-0527-053
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 13:09
Sampled: 03/26/2002	QC-Batch: 2002/03/29-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,4-Dinitrotoluene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
2,6-Dinitrotoluene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Diethyl phthalate	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
4-Chlorophenyl phenyl ether	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
Fluorene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
4-Nitroaniline	ND	6.6	mg/Kg	20.00	04/03/2002 17:17	
2-Methyl-4,6-dinitrophenol	ND	6.6	mg/Kg	20.00	04/03/2002 17:17	
N-Nitrosodiphenylamine	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
4-Bromophenyl phenyl ether	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
Hexachlorobenzene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Pentachlorophenol	ND	6.6	mg/Kg	20.00	04/03/2002 17:17	
Phenanthrene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Anthracene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Di-n-butyl phthalate	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
Fluoranthene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Pyrene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Butyl benzyl phthalate	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
3,3-Dichlorobenzidine	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
Benzo(a)anthracene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
bis(2-Ethylhexyl) phthalate	ND	6.6	mg/Kg	20.00	04/03/2002 17:17	
Chrysene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Di-n-octyl phthalate	ND	3.4	mg/Kg	20.00	04/03/2002 17:17	
Benzo(b)fluoranthene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Benzo(k)fluoranthene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Benzo(a)pyrene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Indeno(1,2,3-c,d)pyrene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Dibenzo(a,h)anthracene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Benzo(g,h,i)perylene	ND	1.3	mg/Kg	20.00	04/03/2002 17:17	
Benzoic acid	ND	6.6	mg/Kg	20.00	04/03/2002 17:17	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	20.00	04/03/2002 17:17	
2-Fluorobiphenyl	NA	30-115	%	20.00	04/03/2002 17:17	
p-Terphenyl-d14	NA	18-137	%	20.00	04/03/2002 17:17	
2-Fluorophenol	NA	25-121	%	20.00	04/03/2002 17:17	
Phenol-d6	NA	24-113	%	20.00	04/03/2002 17:17	
2,4,6-Tribromophenol	NA	19-122	%	20.00	04/03/2002 17:17	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3510C/8270C

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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
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
 1220 Quarry Lane
 Pleasanton, CA 94566

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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 www.chromalab.com

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/8270
CSTL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/03/29-02.11

MB: 2002/03/29-02.11-001

Date Extracted: 03/29/2002 13:09

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	04/02/2002 12:03	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	04/02/2002 12:03	
2-Chlorophenol	ND	0.067	mg/Kg	04/02/2002 12:03	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	04/02/2002 12:03	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	04/02/2002 12:03	
Benzyl alcohol	ND	0.17	mg/Kg	04/02/2002 12:03	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	04/02/2002 12:03	
2-Methylphenol	ND	0.067	mg/Kg	04/02/2002 12:03	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	04/02/2002 12:03	
4-Methylphenol	ND	0.067	mg/Kg	04/02/2002 12:03	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	04/02/2002 12:03	
Hexachloroethane	ND	0.067	mg/Kg	04/02/2002 12:03	
Nitrobenzene	ND	0.067	mg/Kg	04/02/2002 12:03	
Isophorone	ND	0.067	mg/Kg	04/02/2002 12:03	
2-Nitrophenol	ND	0.067	mg/Kg	04/02/2002 12:03	
2,4-Dimethylphenol	ND	0.067	mg/Kg	04/02/2002 12:03	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	04/02/2002 12:03	
2,4-Dichlorophenol	ND	0.067	mg/Kg	04/02/2002 12:03	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	04/02/2002 12:03	
Naphthalene	ND	0.067	mg/Kg	04/02/2002 12:03	
4-Chloroaniline	ND	0.067	mg/Kg	04/02/2002 12:03	
Hexachlorobutadiene	ND	0.067	mg/Kg	04/02/2002 12:03	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	04/02/2002 12:03	
2-Methylnaphthalene	ND	0.067	mg/Kg	04/02/2002 12:03	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	04/02/2002 12:03	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	04/02/2002 12:03	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	04/02/2002 12:03	
2-Chloronaphthalene	ND	0.067	mg/Kg	04/02/2002 12:03	
2-Nitroaniline	ND	0.33	mg/Kg	04/02/2002 12:03	
Dimethyl phthalate	ND	0.17	mg/Kg	04/02/2002 12:03	
Acenaphthylene	ND	0.067	mg/Kg	04/02/2002 12:03	
3-Nitroaniline	ND	0.067	mg/Kg	04/02/2002 12:03	
Acenaphthene	ND	0.067	mg/Kg	04/02/2002 12:03	
2,4-Dinitrophenol	ND	0.33	mg/Kg	04/02/2002 12:03	
4-Nitrophenol	ND	0.33	mg/Kg	04/02/2002 12:03	
Dibenzofuran	ND	0.067	mg/Kg	04/02/2002 12:03	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	04/02/2002 12:03	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	04/02/2002 12:03	
Diethyl phthalate	ND	0.17	mg/Kg	04/02/2002 12:03	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	04/02/2002 12:03	

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 # 2002/03/29-02.11

MB: 2002/03/29-02.11-001

Date Extracted: 03/29/2002 13:09

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Fluorene	ND	0.067	mg/Kg	04/02/2002 12:03	
4-Nitroaniline	ND	0.33	mg/Kg	04/02/2002 12:03	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	04/02/2002 12:03	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	04/02/2002 12:03	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	04/02/2002 12:03	
Hexachlorobenzene	ND	0.067	mg/Kg	04/02/2002 12:03	
Pentachlorophenol	ND	0.33	mg/Kg	04/02/2002 12:03	
Phenanthrene	ND	0.067	mg/Kg	04/02/2002 12:03	
Anthracene	ND	0.067	mg/Kg	04/02/2002 12:03	
Di-n-butyl phthalate	ND	0.17	mg/Kg	04/02/2002 12:03	
Fluoranthene	ND	0.067	mg/Kg	04/02/2002 12:03	
Pyrene	ND	0.067	mg/Kg	04/02/2002 12:03	
Butyl benzyl phthalate	ND	0.17	mg/Kg	04/02/2002 12:03	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	04/02/2002 12:03	
Benzo(a)anthracene	ND	0.067	mg/Kg	04/02/2002 12:03	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	04/02/2002 12:03	
Chrysene	ND	0.067	mg/Kg	04/02/2002 12:03	
Di-n-octyl phthalate	ND	0.17	mg/Kg	04/02/2002 12:03	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	04/02/2002 12:03	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	04/02/2002 12:03	
Benzo(a)pyrene	ND	0.067	mg/Kg	04/02/2002 12:03	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	04/02/2002 12:03	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	04/02/2002 12:03	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	04/02/2002 12:03	
Benzoic acid	ND	0.33	mg/Kg	04/02/2002 12:03	
Surrogate(s)					
Nitrobenzene-d5	51.2	23-120	%	04/02/2002 12:03	
2-Fluorobiphenyl	55.1	30-115	%	04/02/2002 12:03	
p-Terphenyl-d14	53.8	18-137	%	04/02/2002 12:03	
2-Fluorophenol	58.5	25-121	%	04/02/2002 12:03	
Phenol-d6	64.9	24-113	%	04/02/2002 12:03	
2,4,6-Tribromophenol	61.0	19-122	%	04/02/2002 12:03	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3510C/8270C

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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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CA DHS ELAP#2496

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	64.2	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

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/29-02.11
 LCS: 2002/03/29-02.11-002 Extracted: 03/29/2002 13:09 Analyzed: 04/03/2002 12:32
 LCSD: 2002/03/29-02.11-003 Extracted: 03/29/2002 13:09 Analyzed: 04/03/2002 13:00

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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
Phenol	1.14	1.34	2.00	1.99	57.0	67.3	16.6	20-90	35		
2-Chlorophenol	1.24	1.44	2.00	1.99	62.0	72.4	15.5	27-123	35		
1,4-Dichlorobenzene	0.580	0.720	0.998	0.997	58.1	72.2	21.6	28-104	30		
N-Nitroso-di-n-propyla	0.760	0.830	0.998	0.997	76.2	83.2	8.8	25-114	39		
1,2,4-Trichlorobenzene	0.610	0.810	0.998	0.997	61.1	81.2	28.3	38-107	35		
4-Chloro-3-methylphen	1.40	1.62	2.00	1.99	70.0	81.4	15.1	26-103	33		
Acenaphthene	0.720	0.840	0.998	0.997	72.1	84.3	15.6	49-102	30		
4-Nitrophenol	1.94	1.90	2.00	1.99	97.0	95.5	1.6	17-109	35		
2,4-Dinitrotoluene	0.870	0.920	0.998	0.997	87.2	92.3	5.7	39-139	38		
Pentachlorophenol	1.71	1.88	2.00	1.99	85.5	94.5	10.0	11-114	35		
Pyrene	0.780	0.760	0.998	0.997	78.2	76.2	2.6	25-117	35		
Surrogate(s)											
Nitrobenzene-d5	12.9	14.8	25	25	51.8	59.2		23-120	0		
2-Fluorobiphenyl	17.8	19.6	25	25	71.2	78.5		30-115	0		
p-Terphenyl-d14	21.7	19.8	25	25	86.8	79.1		18-137	0		
2-Fluorophenol	25.6	28.7	50	50	51.1	57.3		25-121	0		
Phenol-d6	32.6	36.7	50	50	65.3	73.3		24-113	0		
2,4,6-Tribromophenol	42.1	45.5	50	50	84.1	91.0		19-122	0		

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 # 2002/03/29-02.11
Sample ID: MFC-32-1.5-2.0 >> MS		Lab ID: 2002-03-0527-021
MS: 2002/03/29-02.11-004	Extracted: 03/29/2002 13:09	Analyzed: 04/02/2002 16:54
		Dilution: 1
MSD: 2002/03/29-02.11-005	Extracted: 03/29/2002 13:09	Analyzed: 04/03/2002 17:22
		Dilution: 1

Compound	Conc. [mg/Kg]			Exp.Conc.		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		[%]	Recovery	RPD	MS
Phenol	1.41	1.33	ND	1.98	2.00	71.2	66.5	6.8	20-90	35		
2-Chlorophenol	1.55	1.39	ND	1.98	2.00	78.3	69.5	11.9	27-123	35		
1,4-Dichlorobenze	0.720	0.660	ND	0.992	0.998	72.6	66.1	9.4	28-104	30		
N-Nitroso-di-n-pro	0.900	0.820	ND	0.992	0.998	90.7	82.2	9.8	25-114	39		
1,2,4-Trichloroben	0.750	0.740	ND	0.992	0.998	75.6	74.1	2.0	38-107	35		
4-Chloro-3-methyl	1.66	1.57	ND	1.98	2.00	83.8	78.5	6.5	26-103	33		
Acenaphthene	0.820	0.710	ND	0.992	0.998	82.7	71.1	15.1	49-102	30		
4-Nitrophenol	2.27	2.03	ND	1.98	2.00	114.	101.5	12.1	17-109	35	mso	
2,4-Dinitrotoluene	0.930	0.890	ND	0.992	0.998	93.8	89.2	5.0	39-139	38		
Pentachloropheno	1.75	1.75	ND	1.98	2.00	88.4	87.5	1.0	11-114	35		
Pyrene	0.760	0.780	ND	0.992	0.998	76.6	78.2	2.1	25-117	35		
Surrogate(s)												
Nitrobenzene-d5	14.8	13.3		25	25	59.1	53.2		23-120	0		
2-Fluorobiphenyl	18.5	16.5		25	25	73.8	66.1		30-115	0		
p-Terphenyl-d14	19.1	18.0		25	25	76.5	72.0		18-137	0		
2-Fluorophenol	31.0	27.7		50	50	61.9	55.4		25-121	0		
Phenol-d6	39.5	36.7		50	50	79.0	73.4		24-113	0		
2,4,6-Tribromophe	44.1	38.4		50	50	88.1	76.7		19-122	0		

Submission #: 2002-03-0527



Semi-volatile analysis by GC/MS - EPA8270C

Legend & Notes

Test Method: 8270C

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

Analysis Flags

lrn

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

Hexavalent Chromium

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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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-39-1.5-2.0	Soil	03/26/2002	2
MFC-29-1.0-1.5	Soil	03/26/2002 15:18	3
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-34-1.5-2.0	Soil	03/26/2002 14:35	7
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-41-1.5-2.0	Soil	03/26/2002 10:00	10
MFC-41-4.0-4.5	Soil	03/26/2002 10:00	11
MFC-44-1.5-2.0	Soil	03/26/2002 11:30	12
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-40-1.5-2.0	Soil	03/26/2002 09:10	15
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-38-1.0-1.5	Soil	03/26/2002 08:20	18
MFC-38-5.0-5.5	Soil	03/26/2002 08:40	19
MFC-32-1.5-2.0	Soil	03/26/2002 15:50	21
MFC-7-8.5-9.0	Soil	03/26/2002 13:25	25
MFC-7-3.0-3.5	Soil	03/26/2002 13:11	26
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-5-5.0-5.5	Soil	03/26/2002 15:40	30
MFC-17-1.5-2.0	Soil	03/26/2002 10:40	31
MFC-17-4.5-5.0	Soil	03/26/2002 10:50	32
MFC-6-5.0-5.5	Soil	03/26/2002 15:00	33
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-9-2.0-2.5	Soil	03/26/2002 09:20	37
MFC-8-5.0-5.5	Soil	03/26/2002 08:35	38
MFC-8-2.0-2.5	Soil	03/26/2002 08:30	39

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

STL San Francisco
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CA DHS ELAP#1094

Sample ID: MFC-39-1.5-2.0	Lab Sample ID: 2002-03-0527-002
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/26/2002	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 #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-29-1.0-1.5	Lab Sample ID: 2002-03-0527-003
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/26/2002 15:18	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 #: 2002-03-0527



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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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: 03/29/2002 09:20
Sampled: 03/26/2002 15:20	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 #: 2002-03-0527

SEVERN
TRENT
SERVICES

Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

STL San Francisco
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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: 03/29/2002 09:20
Sampled: 03/26/2002 15:20	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 #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Test Method: 7196A

Attn: Chris Alger

Prep Method: 7196A soil

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CA DHS ELAP#1094

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: 03/29/2002 09:20
Sampled: 03/26/2002 14:50	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 #: 2002-03-0527

SEVERN
TRENT
SERVICES

Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-34-1.5-2.0	Lab Sample ID: 2002-03-0527-007
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/26/2002 14:35	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 #: 2002-03-0527

**SEVERN
TRENT
SERVICES**

Hexavalent Chromium

Iris Environmental

Test Method: 7196A

Attn: Chris Alger

Prep Method: 7196A soil

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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: 03/29/2002 09:20
Sampled: 03/26/2002 14:40	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 #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

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: 03/29/2002 09:20
Sampled: 03/26/2002 10:00	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 #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-41-1.5-2.0	Lab Sample ID: 2002-03-0527-010
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 09:20
Sampled: 03/26/2002 10:00	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 #: 2002-03-0527



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

STL San Francisco
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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: 04/04/2002 11:00
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-44-1.5-2.0	Lab Sample ID: 2002-03-0527-012
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:00
Sampled: 03/26/2002 11:30	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527

**SEVERN
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SERVICES**

Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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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: 04/04/2002 11:00
Sampled: 03/26/2002 11:40	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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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: 04/04/2002 11:00
Sampled: 03/26/2002 09:15	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527

**SEVERN
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Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-40-1.5-2.0	Lab Sample ID: 2002-03-0527-015
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:00
Sampled: 03/26/2002 09:10	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527

**SEVERN
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Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-40-3.0-3.5	Lab Sample ID: 2002-03-0527-016
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:00
Sampled: 03/26/2002 09:10	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527

**SEVERN
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SERVICES**

Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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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 11:00
Sampled: 03/26/2002 08:25	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527

SEVERN
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SERVICES

Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-38-1.0-1.5	Lab Sample ID: 2002-03-0527-018
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:00
Sampled: 03/26/2002 08:20	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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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 11:00
Sampled: 03/26/2002 08:40	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-32-1.5-2.0	Lab Sample ID: 2002-03-0527-021
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:00
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527

**SEVERN
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SERVICES**

Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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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 11:00
Sampled: 03/26/2002 13:25	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-7-3.0-3.5	Lab Sample ID: 2002-03-0527-026
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:00
Sampled: 03/26/2002 13:11	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527

**SEVERN
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SERVICES**

Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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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 11:00
Sampled: 03/26/2002 13:16	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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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 11:00
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

STL San Francisco
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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 11:00
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-5-5.0-5.5	Lab Sample ID: 2002-03-0527-030
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:00
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/04-01.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:05	

Submission #: 2002-03-0527

**SEVERN
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SERVICES**

Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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Sample ID: MFC-17-1.5-2.0	Lab Sample ID: 2002-03-0527-031
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:20
Sampled: 03/26/2002 10:40	QC-Batch: 2002/04/04-02.31
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	04/04/2002 11:25	

Submission #: 2002-03-0527

SEVERN

TRENT

SERVICES

Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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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: 04/04/2002 11:20
Sampled: 03/26/2002 10:50	QC-Batch: 2002/04/04-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:25	

Submission #: 2002-03-0527

**SEVERN
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Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-6-5.0-5.5	Lab Sample ID: 2002-03-0527-033
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:20
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/04-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:25	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Test Method: 7196A

Attn: Chris Alger

Prep Method: 7196A soil

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CA DHS ELAP#1094

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 11:20
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/04-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:25	

Submission #: 2002-03-0527

**SEVERN
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Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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CA DHS ELAP#1094

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: 04/04/2002 11:20
Sampled: 03/26/2002 09:35	QC-Batch: 2002/04/04-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:25	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-9-2.0-2.5	Lab Sample ID: 2002-03-0527-037
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:20
Sampled: 03/26/2002 09:20	QC-Batch: 2002/04/04-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:25	

Submission #: 2002-03-0527

**SEVERN
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SERVICES**

Hexavalent Chromium

Iris Environmental
Attn: Chris Alger

Test Method: 7196A
Prep Method: 7196A soil

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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 11:20
Sampled: 03/26/2002 08:35	QC-Batch: 2002/04/04-02.31
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	04/04/2002 11:25	

Submission #: 2002-03-0527



Hexavalent Chromium

Iris Environmental

Attn: Chris Alger

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Sample ID: MFC-8-2.0-2.5	Lab Sample ID: 2002-03-0527-039
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 11:20
Sampled: 03/26/2002 08:30	QC-Batch: 2002/04/04-02.31
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Chromium (Hexavalent)	ND	0.20	mg/Kg	1.00	04/04/2002 11:25	



Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

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

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

Submission #: 2002-03-0527



Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

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CA DHS ELAP#1094

Method Blank	Soil	QC Batch # 2002/04/04-01.31
MB: 2002/04/04-01.31-001		Date Extracted: 04/04/2002 11:00

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Chromium (Hexavalent)	ND	0.2	mg/Kg	04/04/2002 11:05	

Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

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Method Blank	Soil	QC Batch # 2002/04/04-02.31
MB: 2002/04/04-02.31-001		Date Extracted: 04/04/2002 11:20

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Chromium (Hexavalent)	ND	0.2	mg/Kg	04/04/2002 11:25	

Submission #: 2002-03-0527



Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

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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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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		

Submission #: 2002-03-0527



Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/04-01.31
LCS: 2002/04/04-01.31-002 Extracted: 04/04/2002 11:00 Analyzed: 04/04/2002 11:05
LCSD: 2002/04/04-01.31-003 Extracted: 04/04/2002 11:00 Analyzed: 04/04/2002 11:05

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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
Chromium (Hexavalent)	1.90	1.90	2.00	2.00	95.0	95.0	0.0	80-120	20		

Submission #: 2002-03-0527



Hexavalent Chromium

Batch QC report

Test Method: 7196A

Prep Method: 7196A soil

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/04-02.31
LCS: 2002/04/04-02.31-002 Extracted: 04/04/2002 11:20 Analyzed: 04/04/2002 11:25
LCSD: 2002/04/04-02.31-003 Extracted: 04/04/2002 11:20 Analyzed: 04/04/2002 11:25

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		[%]	Recover	RPD	LCS
Chromium (Hexavalent)	1.90	1.90	2.00	2.00	95.0	95.0	0.0	80-120	20		

Iris Environmental

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Attn: Chris Alger

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01-201-A

Project: Port of Oakland

SitePort of Oakland

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Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-39-1.5-2.0	Soil	03/26/2002	2
MFC-29-1.0-1.5	Soil	03/26/2002 15:18	3
MFC-34-1.5-2.0	Soil	03/26/2002 14:35	7
MFC-41-1.5-2.0	Soil	03/26/2002 10:00	10
MFC-44-1.5-2.0	Soil	03/26/2002 11:30	12
MFC-40-1.5-2.0	Soil	03/26/2002 09:10	15
MFC-38-1.0-1.5	Soil	03/26/2002 08:20	18
MFC-32-1.5-2.0	Soil	03/26/2002 15:50	21
MFC-7-3.0-3.5	Soil	03/26/2002 13:11	26
MFC-5-5.0-5.5	Soil	03/26/2002 15:40	30
MFC-17-1.5-2.0	Soil	03/26/2002 10:40	31
MFC-6-5.0-5.5	Soil	03/26/2002 15:00	33
MFC-9-2.0-2.5	Soil	03/26/2002 09:20	37
MFC-8-2.0-2.5	Soil	03/26/2002 08:30	39

Submission #: 2002-03-0527

Gas/BTEX by 8015M/8021

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Iris Environmental

Test Method: 8015M
8021B

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Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-39-1.5-2.0	Lab Sample ID: 2002-03-0527-002
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 01:41
Sampled: 03/26/2002	QC-Batch: 2002/04/03-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 01:41	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 01:41	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 01:41	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 01:41	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 01:41	
Surrogate(s)						
Trifluorotoluene	93.2	53-125	%	1.00	04/04/2002 01:41	
4-Bromofluorobenzene-FID	78.9	58-124	%	1.00	04/04/2002 01:41	

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-29-1.0-1.5	Lab Sample ID: 2002-03-0527-003
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 02:12
Sampled: 03/26/2002 15:18	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	04/04/2002 02:12	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 02:12	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 02:12	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 02:12	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 02:12	
Surrogate(s)						
Trifluorotoluene	68.7	53-125	%	1.00	04/04/2002 02:12	
4-Bromofluorobenzene-FID	59.7	58-124	%	1.00	04/04/2002 02:12	

Submission #: 2002-03-0527

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Gas/BTEX by 8015M/8021

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Test Method: 8015M
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CA DHS ELAP#1094

Sample ID: MFC-34-1.5-2.0	Lab Sample ID: 2002-03-0527-007
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 16:34
Sampled: 03/26/2002 14:35	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 16:34	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 16:34	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 16:34	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 16:34	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 16:34	
Surrogate(s)						
Trifluorotoluene	65.1	53-125	%	1.00	04/04/2002 16:34	
Trifluorotoluene-FID	62.9	53-125	%	1.00	04/04/2002 16:34	

Submission #: 2002-03-0527

Gas/BTEX by 8015M/8021

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Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-41-1.5-2.0	Lab Sample ID: 2002-03-0527-010
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 17:05
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 17:05	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 17:05	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 17:05	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 17:05	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 17:05	
Surrogate(s)						
Trifluorotoluene	67.7	53-125	%	1.00	04/04/2002 17:05	
4-Bromofluorobenzene-FID	58.9	58-124	%	1.00	04/04/2002 17:05	

Submission #: 2002-03-0527

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Gas/BTEX by 8015M/8021

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Test Method: 8015M
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Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-44-1.5-2.0	Lab Sample ID: 2002-03-0527-012
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 17:36
Sampled: 03/26/2002 11:30	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 17:36	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 17:36	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 17:36	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 17:36	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 17:36	
Surrogate(s)						
Trifluorotoluene	71.6	53-125	%	1.00	04/04/2002 17:36	
4-Bromofluorobenzene-FID	78.8	58-124	%	1.00	04/04/2002 17:36	

Submission #: 2002-03-0527



Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
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Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-40-1.5-2.0	Lab Sample ID: 2002-03-0527-015
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 18:37
Sampled: 03/26/2002 09:10	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 18:37	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 18:37	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 18:37	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 18:37	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 18:37	
Surrogate(s)						
Trifluorotoluene	66.1	53-125	%	1.00	04/04/2002 18:37	
4-Bromofluorobenzene-FID	58.5	58-124	%	1.00	04/04/2002 18:37	

Submission #: 2002-03-0527

Gas/BTEX by 8015M/8021

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Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-38-1.0-1.5	Lab Sample ID: 2002-03-0527-018
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 19:07
Sampled: 03/26/2002 08:20	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 19:07	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 19:07	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 19:07	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 19:07	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 19:07	
Surrogate(s)						
Trifluorotoluene	62.7	53-125	%	1.00	04/04/2002 19:07	
Trifluorotoluene-FID	55.6	53-125	%	1.00	04/04/2002 19:07	

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-32-1.5-2.0	Lab Sample ID: 2002-03-0527-021
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 20:08
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 20:08	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 20:08	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 20:08	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 20:08	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 20:08	
Surrogate(s)						
Trifluorotoluene	66.4	53-125	%	1.00	04/04/2002 20:08	
4-Bromofluorobenzene-FID	72.5	58-124	%	1.00	04/04/2002 20:08	

Submission #: 2002-03-0527

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Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-7-3.0-3.5	Lab Sample ID: 2002-03-0527-026
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 20:38
Sampled: 03/26/2002 13:11	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 20:38	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 20:38	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 20:38	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 20:38	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 20:38	
Surrogate(s)						
Trifluorotoluene	45.5	53-125	%	1.00	04/04/2002 20:38	sl
4-Bromofluorobenzene-FID	33.6	58-124	%	1.00	04/04/2002 20:38	sl

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-5-5.0-5.5	Lab Sample ID: 2002-03-0527-030
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 21:09
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 21:09	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 21:09	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 21:09	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 21:09	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 21:09	
Surrogate(s)						
Trifluorotoluene	39.2	53-125	%	1.00	04/04/2002 21:09	sl
4-Bromofluorobenzene-FID	30.9	58-124	%	1.00	04/04/2002 21:09	sl

Submission #: 2002-03-0527



Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
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Attn: Chris Alger

Prep Method: 5035

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CA DHS ELAP#1094

Sample ID: MFC-17-1.5-2.0	Lab Sample ID: 2002-03-0527-031
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 15:19
Sampled: 03/26/2002 10:40	QC-Batch: 2002/04/05-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 15:19	
Benzene	ND	0.0050	mg/Kg	1.00	04/05/2002 15:19	
Toluene	ND	0.0050	mg/Kg	1.00	04/05/2002 15:19	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/05/2002 15:19	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/05/2002 15:19	
Surrogate(s)						
Trifluorotoluene	84.0	53-125	%	1.00	04/05/2002 15:19	
4-Bromofluorobenzene-FID	74.2	58-124	%	1.00	04/05/2002 15:19	

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-6-5.0-5.5	Lab Sample ID: 2002-03-0527-033
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 22:10
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 22:10	
Benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 22:10	
Toluene	ND	0.0050	mg/Kg	1.00	04/04/2002 22:10	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/04/2002 22:10	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/04/2002 22:10	
Surrogate(s)						
Trifluorotoluene	75.0	53-125	%	1.00	04/04/2002 22:10	
Trifluorotoluene-FID	72.1	53-125	%	1.00	04/04/2002 22:10	

Submission #: 2002-03-0527

Gas/BTEX by 8015M/8021



Iris Environmental

Test Method: 8015M
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Attn: Chris Alger

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CA DHS ELAP#1094

Sample ID: MFC-9-2.0-2.5	Lab Sample ID: 2002-03-0527-037
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 00:43
Sampled: 03/26/2002 09:20	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 00:43	
Benzene	ND	0.0050	mg/Kg	1.00	04/05/2002 00:43	
Toluene	ND	0.0050	mg/Kg	1.00	04/05/2002 00:43	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/05/2002 00:43	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/05/2002 00:43	
Surrogate(s)						
Trifluorotoluene	70.6	53-125	%	1.00	04/05/2002 00:43	
Trifluorotoluene-FID	71.8	53-125	%	1.00	04/05/2002 00:43	

Gas/BTEX by 8015M/8021

Iris Environmental

Test Method: 8015M
8021B

Attn: Chris Alger

Prep Method: 5035

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Sample ID: MFC-8-2.0-2.5	Lab Sample ID: 2002-03-0527-039
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 01:44
Sampled: 03/26/2002 08:30	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 01:44	
Benzene	ND	0.0050	mg/Kg	1.00	04/05/2002 01:44	
Toluene	ND	0.0050	mg/Kg	1.00	04/05/2002 01:44	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/05/2002 01:44	
Xylene(s)	ND	0.0050	mg/Kg	1.00	04/05/2002 01:44	
Surrogate(s)						
Trifluorotoluene	80.0	53-125	%	1.00	04/05/2002 01:44	
Trifluorotoluene-FID	82.8	53-125	%	1.00	04/05/2002 01:44	

Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5035

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Method Blank **Soil** **QC Batch # 2002/04/04-01.03**
 MB: 2002/04/04-01.03-003 **Date Extracted: 04/04/2002 08:19**

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	04/04/2002 08:19	
Benzene	ND	0.0050	mg/Kg	04/04/2002 08:19	
Toluene	ND	0.0050	mg/Kg	04/04/2002 08:19	
Ethyl benzene	ND	0.0050	mg/Kg	04/04/2002 08:19	
Xylene(s)	ND	0.0050	mg/Kg	04/04/2002 08:19	
<i>Surrogate(s)</i>					
Trifluorotoluene	82.7	53-125	%	04/04/2002 08:19	
4-Bromofluorobenzene-FID	81.8	58-124	%	04/04/2002 08:19	

Submission #: 2002-03-0527

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Gas/BTEX by 8015M/8021

Batch QC report

Test Method: 8015M
8021B

Prep Method: 5035

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CA DHS ELAP#1094

Method Blank

Soil

QC Batch # 2002/04/05-01.03

MB: 2002/04/05-01.03-003

Date Extracted: 04/05/2002 08:44

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	04/05/2002 08:44	
Benzene	ND	0.0050	mg/Kg	04/05/2002 08:44	
Toluene	ND	0.0050	mg/Kg	04/05/2002 08:44	
Ethyl benzene	ND	0.0050	mg/Kg	04/05/2002 08:44	
Xylene(s)	ND	0.0050	mg/Kg	04/05/2002 08:44	
Surrogate(s)					
Trifluorotoluene	96.7	53-125	%	04/05/2002 08:44	
4-Bromofluorobenzene-FID	82.9	58-124	%	04/05/2002 08:44	

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			

Submission #: 2002-03-0527



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	Ctri. 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			

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 # 2002/04/04-01.03
 LCS: 2002/04/04-01.03-004 Extracted: 04/04/2002 08:49 Analyzed: 04/04/2002 08:49
 LCSD: 2002/04/04-01.03-005 Extracted: 04/04/2002 09:20 Analyzed: 04/04/2002 09:20

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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
Benzene	0.0893	0.0835	0.1000	0.1000	89.3	83.5	6.7	77-123	35		
Toluene	0.0872	0.0818	0.1000	0.1000	87.2	81.8	6.4	78-122	35		
Ethyl benzene	0.0854	0.0813	0.1000	0.1000	85.4	81.3	4.9	70-130	35		
Xylene(s)	0.254	0.244	0.300	0.300	84.7	81.3	4.1	75-125	35		
Surrogate(s)											
Trifluorotoluene	428	397	500	500	85.6	79.4		53-125			

Submission #: 2002-03-0527



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 # 2002/04/04-01.03
 LCS: 2002/04/04-01.03-006 Extracted: 04/04/2002 09:51 Analyzed: 04/04/2002 09:51
 LCSD: 2002/04/04-01.03-007 Extracted: 04/04/2002 10:21 Analyzed: 04/04/2002 10:21

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery			RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD	
Gasoline Surrogate(s)	0.444	0.442	0.500	0.500	88.8	88.4	0.5	75-125	35			
4-Bromofluorobenzene	394	396	500	500	78.8	79.2		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 # 2002/04/05-01.03
 LCS: 2002/04/05-01.03-004 Extracted: 04/05/2002 09:14 Analyzed: 04/05/2002 09:14
 LCSD: 2002/04/05-01.03-005 Extracted: 04/05/2002 09:45 Analyzed: 04/05/2002 09:45

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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	0.102	0.0998	0.1000	0.1000	102.0	99.8	2.2	77-123	35		
Toluene	0.0982	0.0964	0.1000	0.1000	98.2	96.4	1.8	78-122	35		
Ethyl benzene	0.0974	0.0965	0.1000	0.1000	97.4	96.5	0.9	70-130	35		
Xylene(s)	0.291	0.291	0.300	0.300	97.0	97.0	0.0	75-125	35		
Surrogate(s)											
Trifluorotoluene	484	465	500	500	96.8	93.0		53-125			

Submission #: 2002-03-0527



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 # 2002/04/05-01.03
 LCS: 2002/04/05-01.03-006 Extracted: 04/05/2002 10:16 Analyzed: 04/05/2002 10:16
 LCSD: 2002/04/05-01.03-007 Extracted: 04/05/2002 10:47 Analyzed: 04/05/2002 10:47

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	0.494	0.513	0.500	0.500	98.8	102.6	3.8	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	404	438	500	500	80.8	87.6		58-124			

Gas/BTEX by 8015M/8021

Legend & Notes

Test Method: 8021B
8015M

Prep Method: 5035

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CA DHS ELAP#1094

Analyte Flags

sl

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

CAM 17 Metals

Iris Environmental

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Attn: Chris Alger

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01-201-A

Project: Port of Oakland

SitePort of Oakland

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-39-1.5-2.0	Soil	03/26/2002	2
MFC-29-1.0-1.5	Soil	03/26/2002 15:18	3
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-34-1.5-2.0	Soil	03/26/2002 14:35	7
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-41-1.5-2.0	Soil	03/26/2002 10:00	10
MFC-41-4.0-4.5	Soil	03/26/2002 10:00	11
MFC-44-1.5-2.0	Soil	03/26/2002 11:30	12
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-40-1.5-2.0	Soil	03/26/2002 09:10	15
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-38-1.0-1.5	Soil	03/26/2002 08:20	18
MFC-38-5.0-5.5	Soil	03/26/2002 08:40	19
MFC-32-1.5-2.0	Soil	03/26/2002 15:50	21
MFC-7-8.5-9.0	Soil	03/26/2002 13:25	25
MFC-7-3.0-3.5	Soil	03/26/2002 13:11	26
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-5-5.0-5.5	Soil	03/26/2002 15:40	30
MFC-17-1.5-2.0	Soil	03/26/2002 10:40	31
MFC-17-4.5-5.0	Soil	03/26/2002 10:50	32
MFC-6-5.0-5.5	Soil	03/26/2002 15:00	33
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-9-2.0-2.5	Soil	03/26/2002 09:20	37
MFC-8-5.0-5.5	Soil	03/26/2002 08:35	38
MFC-8-2.0-2.5	Soil	03/26/2002 08:30	39



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-39-1.5-2.0	Lab Sample ID: 2002-03-0527-002
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 11:32
Sampled: 03/26/2002	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 15:15	
Arsenic	ND	1.0	mg/Kg	1.00	04/01/2002 15:15	
Barium	3.3	1.0	mg/Kg	1.00	04/01/2002 15:15	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 15:15	
Cadmium	0.79	0.50	mg/Kg	1.00	04/01/2002 15:15	
Chromium	18	1.0	mg/Kg	1.00	04/01/2002 15:15	
Cobalt	8.5	1.0	mg/Kg	1.00	04/01/2002 15:15	
Copper	37	1.0	mg/Kg	1.00	04/01/2002 15:15	
Lead	1.8	1.0	mg/Kg	1.00	04/01/2002 15:15	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 15:15	
Nickel	14	1.0	mg/Kg	1.00	04/01/2002 15:15	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 15:15	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 15:15	
Thallium	1.2	1.0	mg/Kg	1.00	04/01/2002 15:15	
Vanadium	11	1.0	mg/Kg	1.00	04/01/2002 15:15	
Zinc	7.1	1.0	mg/Kg	1.00	04/01/2002 15:15	
Mercury	0.10	0.050	mg/Kg	1.00	04/02/2002 10:19	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-29-1.0-1.5	Lab Sample ID: 2002-03-0527-003
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 11:32
Sampled: 03/26/2002 15:18	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 15:19	
Arsenic	5.9	1.0	mg/Kg	1.00	04/01/2002 15:19	
Barium	50	1.0	mg/Kg	1.00	04/01/2002 15:19	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 15:19	
Cadmium	3.4	0.50	mg/Kg	1.00	04/01/2002 15:19	
Chromium	7.7	1.0	mg/Kg	1.00	04/01/2002 15:19	
Cobalt	9.9	1.0	mg/Kg	1.00	04/01/2002 15:19	
Copper	32	1.0	mg/Kg	1.00	04/01/2002 15:19	
Lead	4.0	1.0	mg/Kg	1.00	04/01/2002 15:19	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 15:19	
Nickel	8.5	1.0	mg/Kg	1.00	04/01/2002 15:19	
Selenium	2.5	2.0	mg/Kg	1.00	04/01/2002 15:19	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 15:19	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 15:19	
Vanadium	66	1.0	mg/Kg	1.00	04/01/2002 15:19	
Zinc	45	1.0	mg/Kg	1.00	04/01/2002 15:19	
Mercury	0.48	0.050	mg/Kg	1.00	04/02/2002 10:20	



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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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: 03/29/2002 11:32
Sampled: 03/26/2002 15:20	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 15:22	
Arsenic	1.2	1.0	mg/Kg	1.00	04/01/2002 15:22	
Barium	38	1.0	mg/Kg	1.00	04/01/2002 15:22	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 15:22	
Cadmium	1.3	0.50	mg/Kg	1.00	04/01/2002 15:22	
Chromium	39	1.0	mg/Kg	1.00	04/01/2002 15:22	
Cobalt	5.6	1.0	mg/Kg	1.00	04/01/2002 15:22	
Copper	5.6	1.0	mg/Kg	1.00	04/01/2002 15:22	
Lead	3.0	1.0	mg/Kg	1.00	04/01/2002 15:22	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 15:22	
Nickel	32	1.0	mg/Kg	1.00	04/01/2002 15:22	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 15:22	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 15:22	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 15:22	
Vanadium	22	1.0	mg/Kg	1.00	04/01/2002 15:22	
Zinc	22	1.0	mg/Kg	1.00	04/01/2002 15:22	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 10:21	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
Prep Method: 3050B
7471A

Attn: Chris Alger

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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: 03/29/2002 11:32
Sampled: 03/26/2002 15:20	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 15:33	
Arsenic	1.8	1.0	mg/Kg	1.00	04/01/2002 15:33	
Barium	44	1.0	mg/Kg	1.00	04/01/2002 15:33	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 15:33	
Cadmium	1.2	0.50	mg/Kg	1.00	04/01/2002 15:33	
Chromium	35	1.0	mg/Kg	1.00	04/01/2002 15:33	
Cobalt	5.0	1.0	mg/Kg	1.00	04/01/2002 15:33	
Copper	6.7	1.0	mg/Kg	1.00	04/01/2002 15:33	
Lead	3.1	1.0	mg/Kg	1.00	04/01/2002 15:33	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 15:33	
Nickel	32	1.0	mg/Kg	1.00	04/01/2002 15:33	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 15:33	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 15:33	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 15:33	
Vanadium	22	1.0	mg/Kg	1.00	04/01/2002 15:33	
Zinc	21	1.0	mg/Kg	1.00	04/01/2002 15:33	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 10:25	



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

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: 03/29/2002 11:32
Sampled: 03/26/2002 14:50	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 15:37	
Arsenic	1.5	1.0	mg/Kg	1.00	04/01/2002 15:37	
Barium	34	1.0	mg/Kg	1.00	04/01/2002 15:37	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 15:37	
Cadmium	0.70	0.50	mg/Kg	1.00	04/01/2002 15:37	
Chromium	22	1.0	mg/Kg	1.00	04/01/2002 15:37	
Cobalt	2.6	1.0	mg/Kg	1.00	04/01/2002 15:37	
Copper	3.6	1.0	mg/Kg	1.00	04/01/2002 15:37	
Lead	1.8	1.0	mg/Kg	1.00	04/01/2002 15:37	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 15:37	
Nickel	14	1.0	mg/Kg	1.00	04/01/2002 15:37	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 15:37	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 15:37	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 15:37	
Vanadium	13	1.0	mg/Kg	1.00	04/01/2002 15:37	
Zinc	11	1.0	mg/Kg	1.00	04/01/2002 15:37	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 10:26	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
Prep Method: 3050B
7471A

Attn: Chris Alger

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CA DHS ELAP#1094

Sample ID: MFC-34-1.5-2.0	Lab Sample ID: 2002-03-0527-007
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 11:32
Sampled: 03/26/2002 14:35	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 16:00	
Arsenic	5.8	1.0	mg/Kg	1.00	04/01/2002 16:00	
Barium	61	1.0	mg/Kg	1.00	04/01/2002 16:00	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 16:00	
Cadmium	3.3	0.50	mg/Kg	1.00	04/01/2002 16:00	
Chromium	8.9	1.0	mg/Kg	1.00	04/01/2002 16:00	
Cobalt	9.7	1.0	mg/Kg	1.00	04/01/2002 16:00	
Copper	41	1.0	mg/Kg	1.00	04/01/2002 16:00	
Lead	4.3	1.0	mg/Kg	1.00	04/01/2002 16:00	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 16:00	
Nickel	8.4	1.0	mg/Kg	1.00	04/01/2002 16:00	
Selenium	2.0	2.0	mg/Kg	1.00	04/01/2002 16:00	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 16:00	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 16:00	
Vanadium	80	1.0	mg/Kg	1.00	04/01/2002 16:00	
Zinc	42	1.0	mg/Kg	1.00	04/01/2002 16:00	
Mercury	0.30	0.050	mg/Kg	1.00	04/02/2002 10:30	

Submission #: 2002-03-0527

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CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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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: 03/29/2002 11:32
Sampled: 03/26/2002 14:40	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	2.4	2.0	mg/Kg	1.00	04/01/2002 16:03	
Arsenic	19	1.0	mg/Kg	1.00	04/01/2002 16:03	
Barium	65	1.0	mg/Kg	1.00	04/01/2002 16:03	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 16:03	
Cadmium	1.6	0.50	mg/Kg	1.00	04/01/2002 16:03	
Chromium	22	1.0	mg/Kg	1.00	04/01/2002 16:03	
Cobalt	4.6	1.0	mg/Kg	1.00	04/01/2002 16:03	
Copper	170	1.0	mg/Kg	1.00	04/01/2002 16:03	
Lead	480	1.0	mg/Kg	1.00	04/01/2002 16:03	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 16:03	
Nickel	38	1.0	mg/Kg	1.00	04/01/2002 16:03	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 16:03	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 16:03	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 16:03	
Vanadium	84	1.0	mg/Kg	1.00	04/01/2002 16:03	
Zinc	79	1.0	mg/Kg	1.00	04/01/2002 16:03	
Mercury	0.20	0.050	mg/Kg	1.00	04/02/2002 10:31	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
Prep Method: 3050B
7471A

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CA DHS ELAP#1094

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: 03/29/2002 11:32
Sampled: 03/26/2002 10:00	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 16:07	
Arsenic	4.7	1.0	mg/Kg	1.00	04/01/2002 16:07	
Barium	25	1.0	mg/Kg	1.00	04/01/2002 16:07	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 16:07	
Cadmium	2.2	0.50	mg/Kg	1.00	04/01/2002 16:07	
Chromium	2.2	1.0	mg/Kg	1.00	04/01/2002 16:07	
Cobalt	5.2	1.0	mg/Kg	1.00	04/01/2002 16:07	
Copper	8.5	1.0	mg/Kg	1.00	04/01/2002 16:07	
Lead	17	1.0	mg/Kg	1.00	04/01/2002 16:07	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 16:07	
Nickel	1.9	1.0	mg/Kg	1.00	04/01/2002 16:07	
Selenium	2.2	2.0	mg/Kg	1.00	04/01/2002 16:07	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 16:07	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 16:07	
Vanadium	25	1.0	mg/Kg	1.00	04/01/2002 16:07	
Zinc	54	1.0	mg/Kg	1.00	04/01/2002 16:07	
Mercury	0.075	0.050	mg/Kg	1.00	04/02/2002 10:32	

Submission #: 2002-03-0527

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Test Method: 7471A
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Attn: Chris Alger

Prep Method: 3050B
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CA DHS ELAP#1094

Sample ID: MFC-41-1.5-2.0	Lab Sample ID: 2002-03-0527-010
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 11:32
Sampled: 03/26/2002 10:00	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 16:11	
Arsenic	4.7	1.0	mg/Kg	1.00	04/01/2002 16:11	
Barium	52	1.0	mg/Kg	1.00	04/01/2002 16:11	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 16:11	
Cadmium	2.8	0.50	mg/Kg	1.00	04/01/2002 16:11	
Chromium	6.5	1.0	mg/Kg	1.00	04/01/2002 16:11	
Cobalt	8.7	1.0	mg/Kg	1.00	04/01/2002 16:11	
Copper	36	1.0	mg/Kg	1.00	04/01/2002 16:11	
Lead	3.5	1.0	mg/Kg	1.00	04/01/2002 16:11	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 16:11	
Nickel	6.4	1.0	mg/Kg	1.00	04/01/2002 16:11	
Selenium	2.4	2.0	mg/Kg	1.00	04/01/2002 16:11	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 16:11	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 16:11	
Vanadium	68	1.0	mg/Kg	1.00	04/01/2002 16:11	
Zinc	36	1.0	mg/Kg	1.00	04/01/2002 16:11	
Mercury	0.34	0.050	mg/Kg	1.00	04/02/2002 10:33	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
Prep Method: 3050B
7471A

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CA DHS ELAP#1094

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: 03/29/2002 11:32
Sampled: 03/26/2002 10:00	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 16:14	
Arsenic	4.0	1.0	mg/Kg	1.00	04/01/2002 16:14	
Barium	27	1.0	mg/Kg	1.00	04/01/2002 16:14	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 16:14	
Cadmium	1.1	0.50	mg/Kg	1.00	04/01/2002 16:14	
Chromium	23	1.0	mg/Kg	1.00	04/01/2002 16:14	
Cobalt	4.5	1.0	mg/Kg	1.00	04/01/2002 16:14	
Copper	11	1.0	mg/Kg	1.00	04/01/2002 16:14	
Lead	6.8	1.0	mg/Kg	1.00	04/01/2002 16:14	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 16:14	
Nickel	20	1.0	mg/Kg	1.00	04/01/2002 16:14	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 16:14	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 16:14	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 16:14	
Vanadium	17	1.0	mg/Kg	1.00	04/01/2002 16:14	
Zinc	73	1.0	mg/Kg	1.00	04/01/2002 16:14	
Mercury	0.080	0.050	mg/Kg	1.00	04/02/2002 10:34	



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-44-1.5-2.0	Lab Sample ID: 2002-03-0527-012
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/29/2002 11:32
Sampled: 03/26/2002 11:30	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 16:18	
Arsenic	ND	1.0	mg/Kg	1.00	04/01/2002 16:18	
Barium	4.4	1.0	mg/Kg	1.00	04/01/2002 16:18	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 16:18	
Cadmium	1.0	0.50	mg/Kg	1.00	04/01/2002 16:18	
Chromium	32	1.0	mg/Kg	1.00	04/01/2002 16:18	
Cobalt	10	1.0	mg/Kg	1.00	04/01/2002 16:18	
Copper	38	1.0	mg/Kg	1.00	04/01/2002 16:18	
Lead	1.7	1.0	mg/Kg	1.00	04/01/2002 16:18	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 16:18	
Nickel	20	1.0	mg/Kg	1.00	04/01/2002 16:18	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 16:18	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 16:18	
Thallium	1.1	1.0	mg/Kg	1.00	04/01/2002 16:18	
Vanadium	15	1.0	mg/Kg	1.00	04/01/2002 16:18	
Zinc	9.2	1.0	mg/Kg	1.00	04/01/2002 16:18	
Mercury	0.068	0.050	mg/Kg	1.00	04/02/2002 10:36	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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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: 03/29/2002 11:32
Sampled: 03/26/2002 11:40	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 16:22	
Arsenic	5.9	1.0	mg/Kg	1.00	04/01/2002 16:22	
Barium	27	1.0	mg/Kg	1.00	04/01/2002 16:22	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 16:22	
Cadmium	3.0	0.50	mg/Kg	1.00	04/01/2002 16:22	
Chromium	2.6	1.0	mg/Kg	1.00	04/01/2002 16:22	
Cobalt	6.6	1.0	mg/Kg	1.00	04/01/2002 16:22	
Copper	20	1.0	mg/Kg	1.00	04/01/2002 16:22	
Lead	37	1.0	mg/Kg	1.00	04/01/2002 16:22	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 16:22	
Nickel	3.0	1.0	mg/Kg	1.00	04/01/2002 16:22	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 16:22	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 16:22	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 16:22	
Vanadium	46	1.0	mg/Kg	1.00	04/01/2002 16:22	
Zinc	110	1.0	mg/Kg	1.00	04/01/2002 16:22	
Mercury	0.090	0.050	mg/Kg	1.00	04/02/2002 10:37	

Submission #: 2002-03-0527



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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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: 03/29/2002 11:32
Sampled: 03/26/2002 09:15	QC-Batch: 2002/03/29-05.15 2002/03/29-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/01/2002 16:26	
Arsenic	1.3	1.0	mg/Kg	1.00	04/01/2002 16:26	
Barium	39	1.0	mg/Kg	1.00	04/01/2002 16:26	
Beryllium	ND	0.50	mg/Kg	1.00	04/01/2002 16:26	
Cadmium	0.65	0.50	mg/Kg	1.00	04/01/2002 16:26	
Chromium	21	1.0	mg/Kg	1.00	04/01/2002 16:26	
Cobalt	2.3	1.0	mg/Kg	1.00	04/01/2002 16:26	
Copper	3.8	1.0	mg/Kg	1.00	04/01/2002 16:26	
Lead	2.0	1.0	mg/Kg	1.00	04/01/2002 16:26	
Molybdenum	ND	1.0	mg/Kg	1.00	04/01/2002 16:26	
Nickel	14	1.0	mg/Kg	1.00	04/01/2002 16:26	
Selenium	ND	2.0	mg/Kg	1.00	04/01/2002 16:26	
Silver	ND	1.0	mg/Kg	1.00	04/01/2002 16:26	
Thallium	ND	1.0	mg/Kg	1.00	04/01/2002 16:26	
Vanadium	14	1.0	mg/Kg	1.00	04/01/2002 16:26	
Zinc	13	1.0	mg/Kg	1.00	04/01/2002 16:26	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 10:38	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-40-1.5-2.0	Lab Sample ID: 2002-03-0527-015
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 08:34
Sampled: 03/26/2002 09:10	QC-Batch: 2002/04/02-02.16 2002/04/02-04.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 12:28	
Arsenic	6.1	1.0	mg/Kg	1.00	04/02/2002 12:28	
Barium	40	1.0	mg/Kg	1.00	04/02/2002 12:28	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 12:28	
Cadmium	1.5	0.50	mg/Kg	1.00	04/02/2002 12:28	
Chromium	26	1.0	mg/Kg	1.00	04/02/2002 12:28	
Cobalt	5.3	1.0	mg/Kg	1.00	04/02/2002 12:28	
Copper	32	1.0	mg/Kg	1.00	04/02/2002 12:28	
Lead	51	1.0	mg/Kg	1.00	04/02/2002 12:28	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 12:28	
Nickel	27	1.0	mg/Kg	1.00	04/02/2002 12:28	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 12:28	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 12:28	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 12:28	
Vanadium	20	1.0	mg/Kg	1.00	04/02/2002 12:28	
Zinc	37	1.0	mg/Kg	1.00	04/02/2002 12:28	
Mercury	0.055	0.050	mg/Kg	1.00	04/02/2002 17:32	

Submission #: 2002-03-0527

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CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-40-3.0-3.5	Lab Sample ID: 2002-03-0527-016
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 08:34
Sampled: 03/26/2002 09:10	QC-Batch: 2002/04/02-02.16 2002/04/02-04.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 12:38	
Arsenic	4.1	1.0	mg/Kg	1.00	04/02/2002 12:38	
Barium	26	1.0	mg/Kg	1.00	04/02/2002 12:38	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 12:38	
Cadmium	1.8	0.50	mg/Kg	1.00	04/02/2002 12:38	
Chromium	33	1.0	mg/Kg	1.00	04/02/2002 12:38	
Cobalt	5.8	1.0	mg/Kg	1.00	04/02/2002 12:38	
Copper	12	1.0	mg/Kg	1.00	04/02/2002 12:38	
Lead	11	1.0	mg/Kg	1.00	04/02/2002 12:38	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 12:38	
Nickel	31	1.0	mg/Kg	1.00	04/02/2002 12:38	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 12:38	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 12:38	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 12:38	
Vanadium	23	1.0	mg/Kg	1.00	04/02/2002 12:38	
Zinc	31	1.0	mg/Kg	1.00	04/02/2002 12:38	
Mercury	0.088	0.050	mg/Kg	1.00	04/02/2002 17:36	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
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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: 04/02/2002 08:34
Sampled: 03/26/2002 08:25	QC-Batch: 2002/04/02-04.15 2002/04/02-02.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 12:42	
Arsenic	2.0	1.0	mg/Kg	1.00	04/02/2002 12:42	
Barium	22	1.0	mg/Kg	1.00	04/02/2002 12:42	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 12:42	
Cadmium	1.0	0.50	mg/Kg	1.00	04/02/2002 12:42	
Chromium	22	1.0	mg/Kg	1.00	04/02/2002 12:42	
Cobalt	3.2	1.0	mg/Kg	1.00	04/02/2002 12:42	
Copper	6.5	1.0	mg/Kg	1.00	04/02/2002 12:42	
Lead	12	1.0	mg/Kg	1.00	04/02/2002 12:42	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 12:42	
Nickel	17	1.0	mg/Kg	1.00	04/02/2002 12:42	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 12:42	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 12:42	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 12:42	
Vanadium	14	1.0	mg/Kg	1.00	04/02/2002 12:42	
Zinc	25	1.0	mg/Kg	1.00	04/02/2002 12:42	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 17:37	

Submission #: 2002-03-0527



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
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CA DHS ELAP#1094

Sample ID: MFC-38-1.0-1.5	Lab Sample ID: 2002-03-0527-018
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 08:34
Sampled: 03/26/2002 08:20	QC-Batch: 2002/04/02-04.15 2002/04/02-02.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 12:46	
Arsenic	5.0	1.0	mg/Kg	1.00	04/02/2002 12:46	
Barium	49	1.0	mg/Kg	1.00	04/02/2002 12:46	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 12:46	
Cadmium	3.2	0.50	mg/Kg	1.00	04/02/2002 12:46	
Chromium	9.1	1.0	mg/Kg	1.00	04/02/2002 12:46	
Cobalt	8.8	1.0	mg/Kg	1.00	04/02/2002 12:46	
Copper	30	1.0	mg/Kg	1.00	04/02/2002 12:46	
Lead	4.6	1.0	mg/Kg	1.00	04/02/2002 12:46	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 12:46	
Nickel	10	1.0	mg/Kg	1.00	04/02/2002 12:46	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 12:46	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 12:46	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 12:46	
Vanadium	52	1.0	mg/Kg	1.00	04/02/2002 12:46	
Zinc	36	1.0	mg/Kg	1.00	04/02/2002 12:46	
Mercury	0.58	0.050	mg/Kg	1.00	04/02/2002 17:38	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
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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: 04/02/2002 08:34
Sampled: 03/26/2002 08:40	QC-Batch: 2002/04/02-04.15 2002/04/02-02.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 13:10	
Arsenic	5.0	1.0	mg/Kg	1.00	04/02/2002 13:10	
Barium	30	1.0	mg/Kg	1.00	04/02/2002 13:10	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:10	
Cadmium	1.6	0.50	mg/Kg	1.00	04/02/2002 13:10	
Chromium	28	1.0	mg/Kg	1.00	04/02/2002 13:10	
Cobalt	5.7	1.0	mg/Kg	1.00	04/02/2002 13:10	
Copper	10	1.0	mg/Kg	1.00	04/02/2002 13:10	
Lead	3.7	1.0	mg/Kg	1.00	04/02/2002 13:10	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:10	
Nickel	28	1.0	mg/Kg	1.00	04/02/2002 13:10	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:10	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:10	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:10	
Vanadium	20	1.0	mg/Kg	1.00	04/02/2002 13:10	
Zinc	21	1.0	mg/Kg	1.00	04/02/2002 13:10	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 17:39	

Submission #: 2002-03-0527

SEVERN

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CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

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CA DHS ELAP#1094

Sample ID: MFC-32-1.5-2.0	Lab Sample ID: 2002-03-0527-021
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 08:34
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/02-04.15 2002/04/02-02.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 13:14	
Arsenic	2.0	1.0	mg/Kg	1.00	04/02/2002 13:14	
Barium	18	1.0	mg/Kg	1.00	04/02/2002 13:14	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:14	
Cadmium	1.4	0.50	mg/Kg	1.00	04/02/2002 13:14	
Chromium	24	1.0	mg/Kg	1.00	04/02/2002 13:14	
Cobalt	9.6	1.0	mg/Kg	1.00	04/02/2002 13:14	
Copper	35	1.0	mg/Kg	1.00	04/02/2002 13:14	
Lead	4.3	1.0	mg/Kg	1.00	04/02/2002 13:14	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:14	
Nickel	20	1.0	mg/Kg	1.00	04/02/2002 13:14	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:14	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:14	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:14	
Vanadium	17	1.0	mg/Kg	1.00	04/02/2002 13:14	
Zinc	14	1.0	mg/Kg	1.00	04/02/2002 13:14	
Mercury	0.053	0.050	mg/Kg	1.00	04/02/2002 17:43	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
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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: 04/02/2002 08:34
Sampled: 03/26/2002 13:25	QC-Batch: 2002/04/02-02.16 2002/04/02-04.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 13:17	
Arsenic	2.1	1.0	mg/Kg	1.00	04/02/2002 13:17	
Barium	36	1.0	mg/Kg	1.00	04/02/2002 13:17	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:17	
Cadmium	1.4	0.50	mg/Kg	1.00	04/02/2002 13:17	
Chromium	31	1.0	mg/Kg	1.00	04/02/2002 13:17	
Cobalt	5.3	1.0	mg/Kg	1.00	04/02/2002 13:17	
Copper	6.6	1.0	mg/Kg	1.00	04/02/2002 13:17	
Lead	2.6	1.0	mg/Kg	1.00	04/02/2002 13:17	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:17	
Nickel	34	1.0	mg/Kg	1.00	04/02/2002 13:17	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:17	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:17	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:17	
Vanadium	20	1.0	mg/Kg	1.00	04/02/2002 13:17	
Zinc	17	1.0	mg/Kg	1.00	04/02/2002 13:17	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 17:44	



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-7-3.0-3.5	Lab Sample ID: 2002-03-0527-026
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 08:34
Sampled: 03/26/2002 13:11	QC-Batch: 2002/04/02-04.15 2002/04/02-02.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	5.1	2.0	mg/Kg	1.00	04/02/2002 13:21	
Arsenic	140	1.0	mg/Kg	1.00	04/02/2002 13:21	
Barium	60	1.0	mg/Kg	1.00	04/02/2002 13:21	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:21	
Cadmium	2.6	0.50	mg/Kg	1.00	04/02/2002 13:21	
Chromium	24	1.0	mg/Kg	1.00	04/02/2002 13:21	
Cobalt	6.0	1.0	mg/Kg	1.00	04/02/2002 13:21	
Copper	79	1.0	mg/Kg	1.00	04/02/2002 13:21	
Lead	150	1.0	mg/Kg	1.00	04/02/2002 13:21	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:21	
Nickel	36	1.0	mg/Kg	1.00	04/02/2002 13:21	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:21	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:21	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:21	
Vanadium	22	1.0	mg/Kg	1.00	04/02/2002 13:21	
Zinc	89	1.0	mg/Kg	1.00	04/02/2002 13:21	
Mercury	0.091	0.050	mg/Kg	1.00	04/02/2002 17:45	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

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Prep Method: 3050B
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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: 04/02/2002 08:34
Sampled: 03/26/2002 13:16	QC-Batch: 2002/04/02-02.16 2002/04/02-04.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	4.7	2.0	mg/Kg	1.00	04/02/2002 13:25	
Arsenic	34	1.0	mg/Kg	1.00	04/02/2002 13:25	
Barium	80	1.0	mg/Kg	1.00	04/02/2002 13:25	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:25	
Cadmium	3.5	0.50	mg/Kg	1.00	04/02/2002 13:25	
Chromium	32	1.0	mg/Kg	1.00	04/02/2002 13:25	
Cobalt	8.3	1.0	mg/Kg	1.00	04/02/2002 13:25	
Copper	120	1.0	mg/Kg	1.00	04/02/2002 13:25	
Lead	200	1.0	mg/Kg	1.00	04/02/2002 13:25	
Molybdenum	2.0	1.0	mg/Kg	1.00	04/02/2002 13:25	
Nickel	43	1.0	mg/Kg	1.00	04/02/2002 13:25	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:25	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:25	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:25	
Vanadium	30	1.0	mg/Kg	1.00	04/02/2002 13:25	
Zinc	89	1.0	mg/Kg	1.00	04/02/2002 13:25	
Mercury	0.17	0.050	mg/Kg	1.00	04/02/2002 17:47	

Submission #: 2002-03-0527



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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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: 04/02/2002 08:34
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/02-02.16 2002/04/02-04.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 13:29	
Arsenic	4.4	1.0	mg/Kg	1.00	04/02/2002 13:29	
Barium	92	1.0	mg/Kg	1.00	04/02/2002 13:29	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:29	
Cadmium	1.7	0.50	mg/Kg	1.00	04/02/2002 13:29	
Chromium	33	1.0	mg/Kg	1.00	04/02/2002 13:29	
Cobalt	5.0	1.0	mg/Kg	1.00	04/02/2002 13:29	
Copper	9.5	1.0	mg/Kg	1.00	04/02/2002 13:29	
Lead	3.5	1.0	mg/Kg	1.00	04/02/2002 13:29	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:29	
Nickel	34	1.0	mg/Kg	1.00	04/02/2002 13:29	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:29	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:29	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:29	
Vanadium	24	1.0	mg/Kg	1.00	04/02/2002 13:29	
Zinc	21	1.0	mg/Kg	1.00	04/02/2002 13:29	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 17:48	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
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CA DHS ELAP#1094

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: 04/02/2002 08:34
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/02-02.16 2002/04/02-04.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 13:32	
Arsenic	4.3	1.0	mg/Kg	1.00	04/02/2002 13:32	
Barium	45	1.0	mg/Kg	1.00	04/02/2002 13:32	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:32	
Cadmium	1.6	0.50	mg/Kg	1.00	04/02/2002 13:32	
Chromium	33	1.0	mg/Kg	1.00	04/02/2002 13:32	
Cobalt	5.4	1.0	mg/Kg	1.00	04/02/2002 13:32	
Copper	12	1.0	mg/Kg	1.00	04/02/2002 13:32	
Lead	11	1.0	mg/Kg	1.00	04/02/2002 13:32	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:32	
Nickel	34	1.0	mg/Kg	1.00	04/02/2002 13:32	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:32	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:32	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:32	
Vanadium	24	1.0	mg/Kg	1.00	04/02/2002 13:32	
Zinc	25	1.0	mg/Kg	1.00	04/02/2002 13:32	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 17:49	

Submission #: 2002-03-0527



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-5-5.0-5.5	Lab Sample ID: 2002-03-0527-030
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 08:34
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/02-04.15 2002/04/02-02.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	12	2.0	mg/Kg	1.00	04/02/2002 13:36	
Arsenic	33	1.0	mg/Kg	1.00	04/02/2002 13:36	
Barium	58	1.0	mg/Kg	1.00	04/02/2002 13:36	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:36	
Cadmium	3.2	0.50	mg/Kg	1.00	04/02/2002 13:36	
Chromium	30	1.0	mg/Kg	1.00	04/02/2002 13:36	
Cobalt	6.9	1.0	mg/Kg	1.00	04/02/2002 13:36	
Copper	380	1.0	mg/Kg	1.00	04/02/2002 13:36	
Lead	410	1.0	mg/Kg	1.00	04/02/2002 13:36	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:36	
Nickel	38	1.0	mg/Kg	1.00	04/02/2002 13:36	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:36	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:36	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:36	
Vanadium	27	1.0	mg/Kg	1.00	04/02/2002 13:36	
Zinc	180	1.0	mg/Kg	1.00	04/02/2002 13:36	
Mercury	0.36	0.050	mg/Kg	1.00	04/02/2002 17:50	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-17-1.5-2.0	Lab Sample ID: 2002-03-0527-031
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 08:34
Sampled: 03/26/2002 10:40	QC-Batch: 2002/04/02-04.15 2002/04/02-02.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	2.1	2.0	mg/Kg	1.00	04/02/2002 13:40	
Arsenic	17	1.0	mg/Kg	1.00	04/02/2002 13:40	
Barium	92	1.0	mg/Kg	1.00	04/02/2002 13:40	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:40	
Cadmium	3.5	0.50	mg/Kg	1.00	04/02/2002 13:40	
Chromium	22	1.0	mg/Kg	1.00	04/02/2002 13:40	
Cobalt	5.6	1.0	mg/Kg	1.00	04/02/2002 13:40	
Copper	39	1.0	mg/Kg	1.00	04/02/2002 13:40	
Lead	66	1.0	mg/Kg	1.00	04/02/2002 13:40	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:40	
Nickel	22	1.0	mg/Kg	1.00	04/02/2002 13:40	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:40	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:40	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:40	
Vanadium	22	1.0	mg/Kg	1.00	04/02/2002 13:40	
Zinc	46	1.0	mg/Kg	1.00	04/02/2002 13:40	
Mercury	0.11	0.050	mg/Kg	1.00	04/02/2002 17:51	

Submission #: 2002-03-0527



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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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: 04/02/2002 08:34
Sampled: 03/26/2002 10:50	QC-Batch: 2002/04/02-02.16 2002/04/02-04.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	9.7	2.0	mg/Kg	1.00	04/02/2002 13:44	
Arsenic	510	1.0	mg/Kg	1.00	04/02/2002 13:44	
Barium	67	1.0	mg/Kg	1.00	04/02/2002 13:44	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 13:44	
Cadmium	7.2	0.50	mg/Kg	1.00	04/02/2002 13:44	
Chromium	37	1.0	mg/Kg	1.00	04/02/2002 13:44	
Cobalt	5.8	1.0	mg/Kg	1.00	04/02/2002 13:44	
Copper	180	1.0	mg/Kg	1.00	04/02/2002 13:44	
Lead	50	1.0	mg/Kg	1.00	04/02/2002 13:44	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 13:44	
Nickel	40	1.0	mg/Kg	1.00	04/02/2002 13:44	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 13:44	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 13:44	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 13:44	
Vanadium	19	1.0	mg/Kg	1.00	04/02/2002 13:44	
Zinc	390	1.0	mg/Kg	1.00	04/02/2002 13:44	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 17:53	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-6-5.0-5.5	Lab Sample ID: 2002-03-0527-033
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 08:34
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/02-04.15 2002/04/02-02.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	3.3	2.0	mg/Kg	1.00	04/02/2002 14:08	
Arsenic	68	1.0	mg/Kg	1.00	04/02/2002 14:08	
Barium	60	1.0	mg/Kg	1.00	04/02/2002 14:08	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 14:08	
Cadmium	3.1	0.50	mg/Kg	1.00	04/02/2002 14:08	
Chromium	39	1.0	mg/Kg	1.00	04/02/2002 14:08	
Cobalt	7.7	1.0	mg/Kg	1.00	04/02/2002 14:08	
Copper	71	1.0	mg/Kg	1.00	04/02/2002 14:08	
Lead	120	1.0	mg/Kg	1.00	04/02/2002 14:08	
Molybdenum	1.1	1.0	mg/Kg	1.00	04/02/2002 14:08	
Nickel	67	1.0	mg/Kg	1.00	04/02/2002 14:08	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 14:08	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 14:08	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 14:08	
Vanadium	30	1.0	mg/Kg	1.00	04/02/2002 14:08	
Zinc	79	1.0	mg/Kg	1.00	04/02/2002 14:08	
Mercury	0.091	0.050	mg/Kg	1.00	04/02/2002 17:54	

Submission #: 2002-03-0527



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
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CA DHS ELAP#1094

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: 04/02/2002 08:34
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/02-02.16 2002/04/02-04.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/02/2002 14:11	
Arsenic	2.6	1.0	mg/Kg	1.00	04/02/2002 14:11	
Barium	44	1.0	mg/Kg	1.00	04/02/2002 14:11	
Beryllium	ND	0.50	mg/Kg	1.00	04/02/2002 14:11	
Cadmium	1.5	0.50	mg/Kg	1.00	04/02/2002 14:11	
Chromium	36	1.0	mg/Kg	1.00	04/02/2002 14:11	
Cobalt	5.5	1.0	mg/Kg	1.00	04/02/2002 14:11	
Copper	7.4	1.0	mg/Kg	1.00	04/02/2002 14:11	
Lead	3.3	1.0	mg/Kg	1.00	04/02/2002 14:11	
Molybdenum	ND	1.0	mg/Kg	1.00	04/02/2002 14:11	
Nickel	42	1.0	mg/Kg	1.00	04/02/2002 14:11	
Selenium	ND	2.0	mg/Kg	1.00	04/02/2002 14:11	
Silver	ND	1.0	mg/Kg	1.00	04/02/2002 14:11	
Thallium	ND	1.0	mg/Kg	1.00	04/02/2002 14:11	
Vanadium	22	1.0	mg/Kg	1.00	04/02/2002 14:11	
Zinc	20	1.0	mg/Kg	1.00	04/02/2002 14:11	
Mercury	ND	0.050	mg/Kg	1.00	04/02/2002 17:57	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B
Prep Method: 3050B
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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: 04/02/2002 14:46
Sampled: 03/26/2002 09:35	QC-Batch: 2002/04/02-07.15 2002/04/02-06.16
Matrix: Soil	

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/03/2002 16:07	
Arsenic	3.9	1.0	mg/Kg	1.00	04/03/2002 16:07	
Barium	70	1.0	mg/Kg	1.00	04/03/2002 16:07	
Beryllium	ND	0.50	mg/Kg	1.00	04/03/2002 16:07	
Cadmium	1.8	0.50	mg/Kg	1.00	04/03/2002 16:07	
Chromium	34	1.0	mg/Kg	1.00	04/03/2002 16:07	
Cobalt	5.0	1.0	mg/Kg	1.00	04/03/2002 16:07	
Copper	7.9	1.0	mg/Kg	1.00	04/03/2002 16:07	
Lead	3.2	1.0	mg/Kg	1.00	04/03/2002 16:07	
Molybdenum	ND	1.0	mg/Kg	1.00	04/03/2002 16:07	
Nickel	36	1.0	mg/Kg	1.00	04/03/2002 16:07	
Selenium	ND	2.0	mg/Kg	1.00	04/03/2002 16:07	
Silver	ND	1.0	mg/Kg	1.00	04/03/2002 16:07	
Thallium	ND	1.0	mg/Kg	1.00	04/03/2002 16:07	
Vanadium	22	1.0	mg/Kg	1.00	04/03/2002 16:07	
Zinc	20	1.0	mg/Kg	1.00	04/03/2002 16:07	
Mercury	0.073	0.050	mg/Kg	1.00	04/03/2002 14:26	

Submission #: 2002-03-0527



CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
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CA DHS ELAP#1094

Sample ID: MFC-9-2.0-2.5	Lab Sample ID: 2002-03-0527-037
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:46
Sampled: 03/26/2002 09:20	QC-Batch: 2002/04/02-07.15 2002/04/02-06.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	7.9	2.0	mg/Kg	1.00	04/03/2002 16:17	
Arsenic	150	1.0	mg/Kg	1.00	04/03/2002 16:17	
Barium	110	1.0	mg/Kg	1.00	04/03/2002 16:17	
Beryllium	ND	0.50	mg/Kg	1.00	04/03/2002 16:17	
Cadmium	3.7	0.50	mg/Kg	1.00	04/03/2002 16:17	
Chromium	46	1.0	mg/Kg	1.00	04/03/2002 16:17	
Cobalt	14	1.0	mg/Kg	1.00	04/03/2002 16:17	
Copper	150	1.0	mg/Kg	1.00	04/03/2002 16:17	
Lead	120	1.0	mg/Kg	1.00	04/03/2002 16:17	
Molybdenum	ND	1.0	mg/Kg	1.00	04/03/2002 16:17	
Nickel	220	1.0	mg/Kg	1.00	04/03/2002 16:17	
Selenium	ND	2.0	mg/Kg	1.00	04/03/2002 16:17	
Silver	ND	1.0	mg/Kg	1.00	04/03/2002 16:17	
Thallium	ND	1.0	mg/Kg	1.00	04/03/2002 16:17	
Vanadium	26	1.0	mg/Kg	1.00	04/03/2002 16:17	
Zinc	57	1.0	mg/Kg	1.00	04/03/2002 16:17	
Mercury	0.50	0.050	mg/Kg	1.00	04/03/2002 14:29	

CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

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: 04/02/2002 14:46
Sampled: 03/26/2002 08:35	QC-Batch: 2002/04/02-06.16 2002/04/02-07.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	3.0	2.0	mg/Kg	1.00	04/03/2002 16:21	
Arsenic	24	1.0	mg/Kg	1.00	04/03/2002 16:21	
Barium	65	1.0	mg/Kg	1.00	04/03/2002 16:21	
Beryllium	ND	0.50	mg/Kg	1.00	04/03/2002 16:21	
Cadmium	2.3	0.50	mg/Kg	1.00	04/03/2002 16:21	
Chromium	20	1.0	mg/Kg	1.00	04/03/2002 16:21	
Cobalt	5.5	1.0	mg/Kg	1.00	04/03/2002 16:21	
Copper	50	1.0	mg/Kg	1.00	04/03/2002 16:21	
Lead	60	1.0	mg/Kg	1.00	04/03/2002 16:21	
Molybdenum	ND	1.0	mg/Kg	1.00	04/03/2002 16:21	
Nickel	58	1.0	mg/Kg	1.00	04/03/2002 16:21	
Selenium	ND	2.0	mg/Kg	1.00	04/03/2002 16:21	
Silver	ND	1.0	mg/Kg	1.00	04/03/2002 16:21	
Thallium	ND	1.0	mg/Kg	1.00	04/03/2002 16:21	
Vanadium	41	1.0	mg/Kg	1.00	04/03/2002 16:21	
Zinc	49	1.0	mg/Kg	1.00	04/03/2002 16:21	
Mercury	ND	0.050	mg/Kg	1.00	04/03/2002 14:31	

Submission #: 2002-03-0527

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CAM 17 Metals

Iris Environmental

Test Method: 7471A
6010B

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Attn: Chris Alger

Prep Method: 3050B
7471A

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CA DHS ELAP#1094

Sample ID: MFC-8-2.0-2.5	Lab Sample ID: 2002-03-0527-039
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:46
Sampled: 03/26/2002 08:30	QC-Batch: 2002/04/02-06.16 2002/04/02-07.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	11	2.0	mg/Kg	1.00	04/03/2002 16:25	
Arsenic	34	1.0	mg/Kg	1.00	04/03/2002 16:25	
Barium	68	1.0	mg/Kg	1.00	04/03/2002 16:25	
Beryllium	ND	0.50	mg/Kg	1.00	04/03/2002 16:25	
Cadmium	2.5	0.50	mg/Kg	1.00	04/03/2002 16:25	
Chromium	32	1.0	mg/Kg	1.00	04/03/2002 16:25	
Cobalt	6.5	1.0	mg/Kg	1.00	04/03/2002 16:25	
Copper	270	1.0	mg/Kg	1.00	04/03/2002 16:25	
Lead	680	1.0	mg/Kg	1.00	04/03/2002 16:25	
Molybdenum	ND	1.0	mg/Kg	1.00	04/03/2002 16:25	
Nickel	39	1.0	mg/Kg	1.00	04/03/2002 16:25	
Selenium	ND	2.0	mg/Kg	1.00	04/03/2002 16:25	
Silver	ND	1.0	mg/Kg	1.00	04/03/2002 16:25	
Thallium	ND	1.0	mg/Kg	1.00	04/03/2002 16:25	
Vanadium	27	1.0	mg/Kg	1.00	04/03/2002 16:25	
Zinc	110	1.0	mg/Kg	1.00	04/03/2002 16:25	
Mercury	0.052	0.050	mg/Kg	1.00	04/03/2002 14:32	

CAM 17 Metals

Batch QC report

Test Method: 6010B

Prep Method: 3050B

STL San Francisco
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Method Blank

Soil

QC Batch # 2002/03/29-05.15

MB: 2002/03/29-05.15-011

Date Extracted: 03/29/2002 11:32

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	04/01/2002 15:03	
Arsenic	ND	1.0	mg/Kg	04/01/2002 15:03	
Barium	ND	1.0	mg/Kg	04/01/2002 15:03	
Beryllium	ND	0.50	mg/Kg	04/01/2002 15:03	
Cadmium	ND	0.50	mg/Kg	04/01/2002 15:03	
Chromium	ND	1.0	mg/Kg	04/01/2002 15:03	
Cobalt	ND	1.0	mg/Kg	04/01/2002 15:03	
Copper	ND	1.0	mg/Kg	04/01/2002 15:03	
Lead	ND	1.0	mg/Kg	04/01/2002 15:03	
Molybdenum	ND	1.0	mg/Kg	04/01/2002 15:03	
Nickel	ND	1.0	mg/Kg	04/01/2002 15:03	
Selenium	ND	2.0	mg/Kg	04/01/2002 15:03	
Silver	ND	1.0	mg/Kg	04/01/2002 15:03	
Thallium	ND	1.0	mg/Kg	04/01/2002 15:03	
Vanadium	ND	1.0	mg/Kg	04/01/2002 15:03	
Zinc	ND	1.0	mg/Kg	04/01/2002 15:03	

Submission #: 2002-03-0527



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 # 2002/04/02-04.15
MB: 2002/04/02-04.15-023		Date Extracted: 04/02/2002 08:34

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	04/02/2002 12:16	
Arsenic	ND	1.0	mg/Kg	04/02/2002 12:16	
Barium	ND	1.0	mg/Kg	04/02/2002 12:16	
Beryllium	ND	0.50	mg/Kg	04/02/2002 12:16	
Cadmium	ND	0.50	mg/Kg	04/02/2002 12:16	
Chromium	ND	1.0	mg/Kg	04/02/2002 12:16	
Cobalt	ND	1.0	mg/Kg	04/02/2002 12:16	
Copper	ND	1.0	mg/Kg	04/02/2002 12:16	
Lead	ND	1.0	mg/Kg	04/02/2002 12:16	
Molybdenum	ND	1.0	mg/Kg	04/02/2002 12:16	
Nickel	ND	1.0	mg/Kg	04/02/2002 12:16	
Selenium	ND	2.0	mg/Kg	04/02/2002 12:16	
Silver	ND	1.0	mg/Kg	04/02/2002 12:16	
Thallium	ND	1.0	mg/Kg	04/02/2002 12:16	
Vanadium	ND	1.0	mg/Kg	04/02/2002 12:16	
Zinc	ND	1.0	mg/Kg	04/02/2002 12:16	

Submission #: 2002-03-0527

**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 # 2002/04/02-02.16
MB: 2002/04/02-02.16-052		Date Extracted: 04/02/2002 08:35

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	04/02/2002 17:28	

Submission #: 2002-03-0527



**CAM 17 Metals
Batch QC report**

Test Method: 7471A

Prep Method: 7471A

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CA DHS ELAP#1094

Method Blank	Soil	QC Batch # 2002/03/29-06.16
MB: 2002/03/29-06.16-011		Date Extracted: 03/29/2002 11:33

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	04/02/2002 10:15	

CAM 17 Metals

Batch QC report

Test Method: 7471A

Prep Method: 7471A

Method Blank	Soil	QC Batch # 2002/04/02-06.16
MB: 2002/04/02-06.16-080		Date Extracted: 04/02/2002 14:47

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	04/03/2002 14:22	

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 # 2002/04/02-07.15
MB: 2002/04/02-07.15-096		Date Extracted: 04/02/2002 14:46

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	04/03/2002 15:55	
Arsenic	ND	1.0	mg/Kg	04/03/2002 15:55	
Barium	ND	1.0	mg/Kg	04/03/2002 15:55	
Beryllium	ND	0.50	mg/Kg	04/03/2002 15:55	
Cadmium	ND	0.50	mg/Kg	04/03/2002 15:55	
Chromium	ND	1.0	mg/Kg	04/03/2002 15:55	
Cobalt	ND	1.0	mg/Kg	04/03/2002 15:55	
Copper	ND	1.0	mg/Kg	04/03/2002 15:55	
Lead	ND	1.0	mg/Kg	04/03/2002 15:55	
Molybdenum	ND	1.0	mg/Kg	04/03/2002 15:55	
Nickel	ND	1.0	mg/Kg	04/03/2002 15:55	
Selenium	ND	2.0	mg/Kg	04/03/2002 15:55	
Silver	ND	1.0	mg/Kg	04/03/2002 15:55	
Thallium	ND	1.0	mg/Kg	04/03/2002 15:55	
Vanadium	ND	1.0	mg/Kg	04/03/2002 15:55	
Zinc	ND	1.0	mg/Kg	04/03/2002 15:55	

CAM 17 Metals

Batch QC report

Test Method: 6010B

Prep Method: 3050B

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/29-05.15
 LCS: 2002/03/29-05.15-012 Extracted: 03/29/2002 11:32 Analyzed: 04/01/2002 15:07
 LCSD: 2002/03/29-05.15-013 Extracted: 03/29/2002 11:32 Analyzed: 04/01/2002 15:11

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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	96.0	93.7	100.0	100.0	96.0	93.7	2.4	80-120	20		
Arsenic	95.8	93.5	100.0	100.0	95.8	93.5	2.4	80-120	20		
Barium	94.2	91.9	100.0	100.0	94.2	91.9	2.5	80-120	20		
Beryllium	95.7	93.1	100.0	100.0	95.7	93.1	2.8	80-120	20		
Cadmium	93.9	91.9	100.0	100.0	93.9	91.9	2.2	80-120	20		
Chromium	95.0	92.6	100.0	100.0	95.0	92.6	2.6	80-120	20		
Cobalt	94.3	92.0	100.0	100.0	94.3	92.0	2.5	80-120	20		
Copper	96.0	93.5	100.0	100.0	96.0	93.5	2.6	80-120	20		
Lead	94.8	92.6	100.0	100.0	94.8	92.6	2.3	80-120	20		
Molybdenum	95.5	93.2	100.0	100.0	95.5	93.2	2.4	80-120	20		
Nickel	93.3	90.9	100.0	100.0	93.3	90.9	2.6	80-120	20		
Selenium	92.7	90.0	100.0	100.0	92.7	90.0	3.0	80-120	20		
Silver	95.7	94.4	100.0	100.0	95.7	94.4	1.4	80-120	20		
Thallium	92.6	91.0	100.0	100.0	92.6	91.0	1.7	80-120	20		
Vanadium	94.5	92.2	100.0	100.0	94.5	92.2	2.5	80-120	20		
Zinc	93.4	90.9	100.0	100.0	93.4	90.9	2.7	80-120	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 # 2002/04/02-04.15
 LCS: 2002/04/02-04.15-024 Extracted: 04/02/2002 08:34 Analyzed: 04/02/2002 12:21
 LCSD: 2002/04/02-04.15-025 Extracted: 04/02/2002 08:34 Analyzed: 04/02/2002 12:25

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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	94.3	96.0	100.0	100.0	94.3	96.0	1.8	80-120	20		
Arsenic	94.4	95.0	100.0	100.0	94.4	95.0	0.6	80-120	20		
Barium	92.3	94.0	100.0	100.0	92.3	94.0	1.8	80-120	20		
Beryllium	91.1	94.6	100.0	100.0	91.1	94.6	3.8	80-120	20		
Cadmium	92.3	93.6	100.0	100.0	92.3	93.6	1.4	80-120	20		
Chromium	93.4	95.3	100.0	100.0	93.4	95.3	2.0	80-120	20		
Cobalt	92.5	94.3	100.0	100.0	92.5	94.3	1.9	80-120	20		
Copper	94.5	96.7	100.0	100.0	94.5	96.7	2.3	80-120	20		
Lead	93.7	95.1	100.0	100.0	93.7	95.1	1.5	80-120	20		
Molybdenum	94.5	96.9	100.0	100.0	94.5	96.9	2.5	80-120	20		
Nickel	91.5	93.1	100.0	100.0	91.5	93.1	1.7	80-120	20		
Selenium	92.3	91.6	100.0	100.0	92.3	91.6	0.8	80-120	20		
Silver	94.2	95.5	100.0	100.0	94.2	95.5	1.4	80-120	20		
Thallium	90.6	91.2	100.0	100.0	90.6	91.2	0.7	80-120	20		
Vanadium	93.1	95.2	100.0	100.0	93.1	95.2	2.2	80-120	20		
Zinc	91.4	92.4	100.0	100.0	91.4	92.4	1.1	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 # 2002/04/02-02.16
 LCS: 2002/04/02-02.16-053 Extracted: 04/02/2002 08:35 Analyzed: 04/02/2002 17:30
 LCSD: 2002/04/02-02.16-054 Extracted: 04/02/2002 08:35 Analyzed: 04/02/2002 17:31

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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	0.473	0.496	0.500	0.500	94.6	99.2	4.7	85-115	20		

Submission #: 2002-03-0527



CAM 17 Metals
Batch QC report

Test Method: 7471A

Prep Method: 7471A

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Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/03/29-06.16
LCS: 2002/03/29-06.16-012 Extracted: 03/29/2002 11:33 Analyzed: 04/02/2002 10:16
LCSD: 2002/03/29-06.16-013 Extracted: 03/29/2002 11:33 Analyzed: 04/02/2002 10:17

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		[%]	Recover	RPD	LCS
Mercury	0.547	0.564	0.500	0.500	109.4	112.8	3.1	85-115	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 # 2002/04/02-06.16
 LCS: 2002/04/02-06.16-081 Extracted: 04/02/2002 14:47 Analyzed: 04/03/2002 14:24
 LCSD: 2002/04/02-06.16-082 Extracted: 04/02/2002 14:47 Analyzed: 04/03/2002 14:25

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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	0.500	0.493	0.500	0.500	100.0	98.6	1.4	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 # 2002/04/02-07.15
 LCS: 2002/04/02-07.15-097 Extracted: 04/02/2002 14:46 Analyzed: 04/03/2002 16:00
 LCSD: 2002/04/02-07.15-098 Extracted: 04/02/2002 14:46 Analyzed: 04/03/2002 16:03

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Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrf.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		[%]	Recover	RPD	LCS
Antimony	91.0	88.5	100.0	100.0	91.0	88.5	2.8	80-120	20		
Arsenic	90.3	87.5	100.0	100.0	90.3	87.5	3.1	80-120	20		
Barium	92.2	88.7	100.0	100.0	92.2	88.7	3.9	80-120	20		
Beryllium	89.9	87.1	100.0	100.0	89.9	87.1	3.2	80-120	20		
Cadmium	92.5	89.0	100.0	100.0	92.5	89.0	3.9	80-120	20		
Chromium	93.6	90.0	100.0	100.0	93.6	90.0	3.9	80-120	20		
Cobalt	90.7	87.3	100.0	100.0	90.7	87.3	3.8	80-120	20		
Copper	91.9	88.5	100.0	100.0	91.9	88.5	3.8	80-120	20		
Lead	92.8	89.9	100.0	100.0	92.8	89.9	3.2	80-120	20		
Molybdenum	93.6	90.2	100.0	100.0	93.6	90.2	3.7	80-120	20		
Nickel	90.3	87.1	100.0	100.0	90.3	87.1	3.6	80-120	20		
Selenium	88.6	85.3	100.0	100.0	88.6	85.3	3.8	80-120	20		
Silver	92.6	80.6	100.0	100.0	92.6	80.6	13.9	80-120	20		
Thallium	89.2	86.3	100.0	100.0	89.2	86.3	3.3	80-120	20		
Vanadium	92.8	89.2	100.0	100.0	92.8	89.2	4.0	80-120	20		
Zinc	92.4	89.1	100.0	100.0	92.4	89.1	3.6	80-120	20		

TEPH w/ Silica Gel Clean-up



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01-201-A SitePort of Oakland	Project: Port of Oakland

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-39-1.5-2.0	Soil	03/26/2002	2
MFC-29-1.0-1.5	Soil	03/26/2002 15:18	3
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-34-1.5-2.0	Soil	03/26/2002 14:35	7
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-44-1.5-2.0	Soil	03/26/2002 11:30	12
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-40-1.5-2.0	Soil	03/26/2002 09:10	15
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-38-1.0-1.5	Soil	03/26/2002 08:20	18
MFC-38-5.0-5.5	Soil	03/26/2002 08:40	19
MFC-32-1.5-2.0	Soil	03/26/2002 15:50	21
MFC-40-GW	Water	03/26/2002	22
MFC-44-GW	Water	03/26/2002 14:30	23
MFC-41-GW	Water	03/26/2002 12:00	24
MFC-7-8.5-9.0	Soil	03/26/2002 13:25	25
MFC-7-3.0-3.5	Soil	03/26/2002 13:11	26
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-5-5.0-5.5	Soil	03/26/2002 15:40	30
MFC-17-1.5-2.0	Soil	03/26/2002 10:40	31
MFC-17-4.5-5.0	Soil	03/26/2002 10:50	32
MFC-6-5.0-5.5	Soil	03/26/2002 15:00	33
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-9-2.0-2.5	Soil	03/26/2002 09:20	37
MFC-8-5.0-5.5	Soil	03/26/2002 08:35	38
MFC-8-2.0-2.5	Soil	03/26/2002 08:30	39
MFC-15-GW	Water	03/26/2002	40

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-39-1.5-2.0	Lab Sample ID: 2002-03-0527-002
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:35
Sampled: 03/26/2002	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	4.7	1.0	mg/Kg	1.00	04/04/2002 14:49	ndp
Motor Oil	87	50	mg/Kg	1.00	04/04/2002 14:49	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 14:49	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 14:49	
Surrogate(s)						
o-Terphenyl	93.8	60-130	%	1.00	04/04/2002 14:49	

TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-29-1.0-1.5	Lab Sample ID: 2002-03-0527-003
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:35
Sampled: 03/26/2002 15:18	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	7.4	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	88.5	60-130	%	1.00	04/04/2002 10:09	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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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 14:35
Sampled: 03/26/2002 15:20	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/03/2002 10:23	
Motor Oil	ND	50	mg/Kg	1.00	04/03/2002 10:23	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 10:23	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 10:23	
Surrogate(s)						
o-Terphenyl	73.2	60-130	%	1.00	04/03/2002 10:23	

TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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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 14:35
Sampled: 03/26/2002 15:20	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/03/2002 09:43	
Motor Oil	ND	50	mg/Kg	1.00	04/03/2002 09:43	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 09:43	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 09:43	
Surrogate(s)						
o-Terphenyl	77.6	60-130	%	1.00	04/03/2002 09:43	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

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 14:35
Sampled: 03/26/2002 14:50	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/04/2002 12:49	
Motor Oil	ND	50	mg/Kg	1.00	04/04/2002 12:49	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 12:49	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 12:49	
Surrogate(s)						
o-Terphenyl	77.8	60-130	%	1.00	04/04/2002 12:49	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-34-1.5-2.0	Lab Sample ID: 2002-03-0527-007
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:35
Sampled: 03/26/2002 14:35	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	13	1.0	mg/Kg	1.00	04/04/2002 00:21	ndp
Motor Oil	150	50	mg/Kg	1.00	04/04/2002 00:21	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 00:21	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 00:21	
Surrogate(s)						
o-Terphenyl	98.8	60-130	%	1.00	04/04/2002 00:21	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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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 14:35
Sampled: 03/26/2002 14:40	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	36	1.0	mg/Kg	1.00	04/04/2002 12:09	ndp
Motor Oil	85	50	mg/Kg	1.00	04/04/2002 12:09	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 12:09	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 12:09	
Surrogate(s)						
o-Terphenyl	78.6	60-130	%	1.00	04/04/2002 12:09	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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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 14:35
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/03/2002 12:22	
Motor Oil	ND	50	mg/Kg	1.00	04/03/2002 12:22	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 12:22	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 12:22	
Surrogate(s)						
o-Terphenyl	79.7	60-130	%	1.00	04/03/2002 12:22	

Submission #: 2002-03-0527



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Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

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 14:35
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1.9	1.0	mg/Kg	1.00	04/03/2002 13:02	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/03/2002 13:02	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 13:02	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 13:02	
Surrogate(s)						
o-Terphenyl	80.0	60-130	%	1.00	04/03/2002 13:02	

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Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-44-1.5-2.0	Lab Sample ID: 2002-03-0527-012
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/04/2002 12:41
Sampled: 03/26/2002 11:30	QC-Batch: 2002/04/04-05.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2.0	1.0	mg/Kg	1.00	04/05/2002 08:14	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/05/2002 08:14	
Kerosene	ND	1.0	mg/Kg	1.00	04/05/2002 08:14	
Jet A	ND	1.0	mg/Kg	1.00	04/05/2002 08:14	
Surrogate(s)						
o-Terphenyl	72.1	60-130	%	1.00	04/05/2002 08:14	

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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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 14:35
Sampled: 03/26/2002 11:40	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	54	10	mg/Kg	10.00	04/04/2002 13:29	ndp
Motor Oil	650	500	mg/Kg	10.00	04/04/2002 13:29	
Kerosene	ND	10	mg/Kg	10.00	04/04/2002 13:29	
Jet A	ND	10	mg/Kg	10.00	04/04/2002 13:29	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	10.00	04/04/2002 13:29	sd

Submission #: 2002-03-0527

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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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: 04/02/2002 14:35
Sampled: 03/26/2002 09:15	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/03/2002 11:43	
Motor Oil	ND	50	mg/Kg	1.00	04/03/2002 11:43	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 11:43	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 11:43	
Surrogate(s)						
o-Terphenyl	69.6	60-130	%	1.00	04/03/2002 11:43	

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TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-40-1.5-2.0	Lab Sample ID: 2002-03-0527-015
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:35
Sampled: 03/26/2002 09:10	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	7.3	1.0	mg/Kg	1.00	04/03/2002 23:01	ndp
Motor Oil	71	50	mg/Kg	1.00	04/03/2002 23:01	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 23:01	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 23:01	
Surrogate(s)						
o-Terphenyl	74.5	60-130	%	1.00	04/03/2002 23:01	

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Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-40-3.0-3.5	Lab Sample ID: 2002-03-0527-016
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:35
Sampled: 03/26/2002 09:10	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	5.3	1.0	mg/Kg	1.00	04/03/2002 22:21	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/03/2002 22:21	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 22:21	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 22:21	
Surrogate(s)						
o-Terphenyl	77.2	60-130	%	1.00	04/03/2002 22:21	

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
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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: 04/02/2002 14:35
Sampled: 03/26/2002 08:25	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	7.8	1.0	mg/Kg	1.00	04/03/2002 23:41	ndp
Motor Oil	72	50	mg/Kg	1.00	04/03/2002 23:41	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 23:41	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 23:41	
Surrogate(s)						
o-Terphenyl	86.1	60-130	%	1.00	04/03/2002 23:41	

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Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-38-1.0-1.5	Lab Sample ID: 2002-03-0527-018
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:35
Sampled: 03/26/2002 08:20	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	14	1.0	mg/Kg	1.00	04/05/2002 07:34	ndp
Motor Oil	150	50	mg/Kg	1.00	04/05/2002 07:34	
Kerosene	ND	1.0	mg/Kg	1.00	04/05/2002 07:34	
Jet A	ND	1.0	mg/Kg	1.00	04/05/2002 07:34	
Surrogate(s)						
o-Terphenyl	84.5	60-130	%	1.00	04/05/2002 07:34	

Submission #: 2002-03-0527



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Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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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: 04/02/2002 14:35
Sampled: 03/26/2002 08:40	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	18	1.0	mg/Kg	1.00	04/03/2002 21:01	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/03/2002 21:01	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 21:01	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 21:01	
Surrogate(s)						
o-Terphenyl	82.7	60-130	%	1.00	04/03/2002 21:01	

Submission #: 2002-03-0527



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Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-32-1.5-2.0	Lab Sample ID: 2002-03-0527-021
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/02/2002 14:35
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	3.4	1.0	mg/Kg	1.00	04/04/2002 08:50	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/04/2002 08:50	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 08:50	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 08:50	
Surrogate(s)						
o-Terphenyl	91.1	60-130	%	1.00	04/04/2002 08:50	

Submission #: 2002-03-0527



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Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-40-GW	Lab Sample ID: 2002-03-0527-022
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/01/2002 05:52
Sampled: 03/26/2002	QC-Batch: 2002/04/01-01.10
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	04/03/2002 07:19	
Motor Oil	ND	500	ug/L	1.00	04/03/2002 07:19	
Kerosene	ND	50	ug/L	1.00	04/03/2002 07:19	
Jet A	ND	50	ug/L	1.00	04/03/2002 07:19	
Surrogate(s)						
o-Terphenyl	79.7	60-130	%	1.00	04/03/2002 07:19	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-44-GW	Lab Sample ID: 2002-03-0527-023
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/01/2002 05:52
Sampled: 03/26/2002 14:30	QC-Batch: 2002/04/01-01.10
Matrix: Water	
Sample/Analysis Flag: rl (See Legend & Note section)	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	70	59	ug/L	1.18	04/02/2002 19:36	ndp
Motor Oil	ND	590	ug/L	1.18	04/02/2002 19:36	
Kerosene	ND	59	ug/L	1.18	04/02/2002 19:36	
Jet A	ND	59	ug/L	1.18	04/02/2002 19:36	
Surrogate(s)						
o-Terphenyl	90.0	60-130	%	1.18	04/02/2002 19:36	

Submission #: 2002-03-0527



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-41-GW	Lab Sample ID: 2002-03-0527-024
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/01/2002 05:52
Sampled: 03/26/2002 12:00	QC-Batch: 2002/04/01-01.10
Matrix: Water	
Sample/Analysis Flag: rl (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	59	ug/L	1.18	04/02/2002 20:16	
Motor Oil	ND	590	ug/L	1.18	04/02/2002 20:16	
Kerosene	ND	59	ug/L	1.18	04/02/2002 20:16	
Jet A	ND	59	ug/L	1.18	04/02/2002 20:16	
Surrogate(s)						
o-Terphenyl	89.8	60-130	%	1.18	04/02/2002 20:16	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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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: 04/02/2002 14:35
Sampled: 03/26/2002 13:25	QC-Batch: 2002/04/02-04.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/03/2002 11:03	
Motor Oil	ND	50	mg/Kg	1.00	04/03/2002 11:03	
Kerosene	ND	1.0	mg/Kg	1.00	04/03/2002 11:03	
Jet A	ND	1.0	mg/Kg	1.00	04/03/2002 11:03	
Surrogate(s)						
o-Terphenyl	77.8	60-130	%	1.00	04/03/2002 11:03	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-7-3.0-3.5	Lab Sample ID: 2002-03-0527-026
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 10:01
Sampled: 03/26/2002 13:11	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	92	1.0	mg/Kg	1.00	04/04/2002 14:09	ndp
Motor Oil	390	50	mg/Kg	1.00	04/04/2002 14:09	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 14:09	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 14:09	
Surrogate(s)						
o-Terphenyl	97.8	60-130	%	1.00	04/04/2002 14:09	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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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: 04/03/2002 10:01
Sampled: 03/26/2002 13:16	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	240	5.0	mg/Kg	5.00	04/05/2002 01:27	ndp
Motor Oil	510	250	mg/Kg	5.00	04/05/2002 01:27	
Kerosene	ND	5.0	mg/Kg	5.00	04/05/2002 01:27	
Jet A	ND	5.0	mg/Kg	5.00	04/05/2002 01:27	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	04/05/2002 01:27	sd

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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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: 04/03/2002 10:01
Sampled: 03/26/2002 15:50	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/04/2002 08:10	
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	79.3	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: 3550/8015M
3510/8015M

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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: 04/03/2002 10:01
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	9.0	1.0	mg/Kg	1.00	04/05/2002 07:34	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/05/2002 07:34	
Kerosene	ND	1.0	mg/Kg	1.00	04/05/2002 07:34	
Jet A	ND	1.0	mg/Kg	1.00	04/05/2002 07:34	
Surrogate(s)						
o-Terphenyl	93.2	60-130	%	1.00	04/05/2002 07:34	

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TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-5-5.0-5.5	Lab Sample ID: 2002-03-0527-030
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 10:01
Sampled: 03/26/2002 15:40	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	290	5.0	mg/Kg	5.00	04/05/2002 00:07	ndp
Motor Oil	840	250	mg/Kg	5.00	04/05/2002 00:07	
Kerosene	ND	5.0	mg/Kg	5.00	04/05/2002 00:07	
Jet A	ND	5.0	mg/Kg	5.00	04/05/2002 00:07	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	04/05/2002 00:07	sd

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-17-1.5-2.0	Lab Sample ID: 2002-03-0527-031
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 10:01
Sampled: 03/26/2002 10:40	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	55	1.0	mg/Kg	1.00	04/04/2002 12:49	ndp
Motor Oil	170	50	mg/Kg	1.00	04/04/2002 12:49	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 12:49	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 12:49	
Surrogate(s)						
o-Terphenyl	92.6	60-130	%	1.00	04/04/2002 12:49	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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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: 04/03/2002 10:01
Sampled: 03/26/2002 10:50	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	2.8	1.0	mg/Kg	1.00	04/04/2002 10:49	ndp
Motor Oil	ND	50	mg/Kg	1.00	04/04/2002 10:49	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 10:49	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 10:49	
Surrogate(s)						
o-Terphenyl	66.7	60-130	%	1.00	04/04/2002 10:49	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-6-5.0-5.5	Lab Sample ID: 2002-03-0527-033
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 10:01
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	220	1.0	mg/Kg	1.00	04/04/2002 13:29	ndp
Motor Oil	470	50	mg/Kg	1.00	04/04/2002 13:29	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 13:29	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 13:29	
Surrogate(s)						
o-Terphenyl	102.2	60-130	%	1.00	04/04/2002 13:29	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

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: 04/03/2002 10:01
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/04/2002 08:50	
Motor Oil	ND	50	mg/Kg	1.00	04/04/2002 08:50	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 08:50	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 08:50	
Surrogate(s)						
o-Terphenyl	81.7	60-130	%	1.00	04/04/2002 08:50	

TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

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: 04/03/2002 10:01
Sampled: 03/26/2002 09:35	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	1.0	mg/Kg	1.00	04/04/2002 09:29	
Motor Oil	ND	50	mg/Kg	1.00	04/04/2002 09:29	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 09:29	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 09:29	
Surrogate(s)						
o-Terphenyl	74.1	60-130	%	1.00	04/04/2002 09:29	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-9-2.0-2.5	Lab Sample ID: 2002-03-0527-037
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 10:01
Sampled: 03/26/2002 09:20	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	15	1.0	mg/Kg	1.00	04/04/2002 11:29	ndp
Motor Oil	95	50	mg/Kg	1.00	04/04/2002 11:29	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 11:29	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 11:29	
Surrogate(s)						
o-Terphenyl	91.3	60-130	%	1.00	04/04/2002 11:29	

Submission #: 2002-03-0527

**SEVERN
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TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

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: 04/03/2002 10:01
Sampled: 03/26/2002 08:35	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	14	1.0	mg/Kg	1.00	04/04/2002 12:09	ndp
Motor Oil	51	50	mg/Kg	1.00	04/04/2002 12:09	
Kerosene	ND	1.0	mg/Kg	1.00	04/04/2002 12:09	
Jet A	ND	1.0	mg/Kg	1.00	04/04/2002 12:09	
Surrogate(s)						
o-Terphenyl	77.0	60-130	%	1.00	04/04/2002 12:09	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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CA DHS ELAP#1094

Sample ID: MFC-8-2.0-2.5	Lab Sample ID: 2002-03-0527-039
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 10:01
Sampled: 03/26/2002 08:30	QC-Batch: 2002/04/03-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	160	5.0	mg/Kg	5.00	04/05/2002 01:27	ndp
Motor Oil	490	250	mg/Kg	5.00	04/05/2002 01:27	
Kerosene	ND	5.0	mg/Kg	5.00	04/05/2002 01:27	
Jet A	ND	5.0	mg/Kg	5.00	04/05/2002 01:27	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	5.00	04/05/2002 01:27	sd

Submission #: 2002-03-0527

**SEVERN
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TEPH w/ Silica Gel Clean-up

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Attn: Chris Alger

Test Method: 8015M
Prep Method: 3550/8015M
3510/8015M

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Sample ID: MFC-15-GW	Lab Sample ID: 2002-03-0527-040
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/01/2002 05:52
Sampled: 03/26/2002	QC-Batch: 2002/04/01-01.10
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	160	50	ug/L	1.00	04/02/2002 22:16	ndp
Motor Oil	ND	500	ug/L	1.00	04/02/2002 22:16	
Kerosene	ND	50	ug/L	1.00	04/02/2002 22:16	
Jet A	ND	50	ug/L	1.00	04/02/2002 22:16	
Surrogate(s)						
o-Terphenyl	86.1	60-130	%	1.00	04/02/2002 22:16	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3510/8015
M

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CA DHS ELAP#1094

Method Blank	Water	QC Batch # 2002/04/01-01.10
MB: 2002/04/01-01.10-001		Date Extracted: 04/01/2002 05:52

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	04/02/2002 17:15	
Motor Oil	ND	500	ug/L	04/02/2002 17:15	
Kerosene	ND	50	ug/L	04/02/2002 17:15	
Jet A	ND	50	ug/L	04/02/2002 17:15	
Surrogate(s)					
o-Terphenyl	78.5	60-130	%	04/02/2002 17:15	

Submission #: 2002-03-0527

**SEVERN
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TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3550/8015
M

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Method Blank

Soil

QC Batch # 2002/04/02-04.10

MB: 2002/04/02-04.10-001

Date Extracted: 04/02/2002 14:35

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	04/03/2002 11:03	
Motor Oil	ND	50	mg/Kg	04/03/2002 11:03	
Kerosene	ND	1	mg/Kg	04/03/2002 11:03	
Jet A	ND	1	mg/Kg	04/03/2002 11:03	
Surrogate(s) o-Terphenyl	65.2	60-130	%	04/03/2002 11:03	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3550/8015
M

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CA DHS ELAP#1094

Method Blank

Soil

QC Batch # 2002/04/03-02.10

MB: 2002/04/03-02.10-001

Date Extracted: 04/03/2002 10:01

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	04/04/2002 17:18	
Motor Oil	ND	50	mg/Kg	04/04/2002 17:18	
Kerosene	ND	1	mg/Kg	04/04/2002 17:18	
Jet A	ND	1	mg/Kg	04/04/2002 17:18	
<i>Surrogate(s)</i> o-Terphenyl	75.0	60-130	%	04/04/2002 17:18	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3550/8015
M

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CA DHS ELAP#1094

Method Blank	Soil	QC Batch # 2002/04/04-05.10
MB: 2002/04/04-05.10-001		Date Extracted: 04/04/2002 12:41

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	04/05/2002 06:50	
Motor Oil	ND	50	mg/Kg	04/05/2002 06:50	
Kerosene	ND	1	mg/Kg	04/05/2002 06:50	
Jet A	ND	1	mg/Kg	04/05/2002 06:50	
Surrogate(s)					
o-Terphenyl	85.5	60-130	%	04/05/2002 06:50	

Submission #: 2002-03-0527



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 # 2002/04/02-04.10
LCS: 2002/04/02-04.10-002 Extracted: 04/02/2002 14:35 Analyzed: 04/03/2002 09:43
LCSD: 2002/04/02-04.10-003 Extracted: 04/02/2002 14:35 Analyzed: 04/03/2002 10:23

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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
Diesel	28.2	30.0	41.7	41.7	67.6	71.9	6.2	60-130	25		
Surrogate(s)											
o-Terphenyl	16.3	17.1	20.0	20.0	81.3	85.5		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 # 2002/04/01-01.10
 LCS: 2002/04/01-01.10-002 Extracted: 04/01/2002 05:52 Analyzed: 04/03/2002 07:44
 LCSD: 2002/04/01-01.10-003 Extracted: 04/01/2002 05:52 Analyzed: 04/03/2002 08:24

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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	905	839	1250	1250	72.4	67.1	7.6	60-130	25		
Surrogate(s)											
o-Terphenyl	18.5	17.8	20.0	20.0	92.5	89.2		60-130	0		

Submission #: 2002-03-0527



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 # 2002/04/03-02.10
 LCS: 2002/04/03-02.10-002 Extracted: 04/03/2002 10:01 Analyzed: 04/04/2002 16:03
 LCSD: 2002/04/03-02.10-003 Extracted: 04/03/2002 10:01 Analyzed: 04/04/2002 16:40

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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	32.4	32.2	41.7	41.7	77.7	77.2	0.6	60-130	25		
Surrogate(s)											
o-Terphenyl	17.2	16.9	20.0	20.0	86.2	84.7		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 # 2002/04/04-05.10
 LCS: 2002/04/04-05.10-002 Extracted: 04/04/2002 12:41 Analyzed: 04/05/2002 07:27
 LCSD: 2002/04/04-05.10-003 Extracted: 04/04/2002 12:41 Analyzed: 04/05/2002 08:04

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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
Diesel	29.3	28.7	41.7	41.7	70.3	68.8	2.2	60-130	25		
Surrogate(s)											
o-Terphenyl	17.7	16.9	20.0	20.0	88.6	84.4		60-130	0		

Submission #: 2002-03-0527



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

Analysis Flags

ri

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.

Gasoline

Iris Environmental	✉ 1615 Broadway, Suite 1003 Oakland, CA 94612
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01-201-A SitePort of Oakland	Project: Port of Oakland

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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
TB-032602A	Water	03/26/2002 15:45	20
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
TB-032602B	Water	03/26/2002 16:40	35
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
MFC-15-GW	Water	03/26/2002	40

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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: 04/03/2002 12:44
Sampled: 03/26/2002 15:20	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 12:44	
Surrogate(s)						
4-Bromofluorobenzene-FID	85.6	58-124	%	1.00	04/03/2002 12:44	

Submission #: 2002-03-0527

**SEVERN
TRENT
SERVICES**

Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035

5030

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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: 04/03/2002 13:14
Sampled: 03/26/2002 15:20	QC-Batch: 2002/04/03-01.01
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 13:14	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	85.8	58-124	%	1.00	04/03/2002 13:14	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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CA DHS ELAP#1094

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: 04/03/2002 13:44
Sampled: 03/26/2002 14:50	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 13:44	
Surrogate(s)						
4-Bromofluorobenzene-FID	81.8	58-124	%	1.00	04/03/2002 13:44	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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: 04/03/2002 14:14
Sampled: 03/26/2002 14:40	QC-Batch: 2002/04/03-01.01
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 14:14	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	87.3	58-124	%	1.00	04/03/2002 14:14	

Submission #: 2002-03-0527

Gasoline



Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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CA DHS ELAP#1094

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: 04/03/2002 15:35
Sampled: 03/26/2002 10:00	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 15:35	
Surrogate(s)						
Trifluorotoluene-FID	58.8	53-125	%	1.00	04/03/2002 15:35	

Submission #: 2002-03-0527

**SEVERN
TRENT
SERVICES**

Gasoline

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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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: 04/03/2002 16:05
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/03-01.01
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 16:05	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	61.9	58-124	%	1.00	04/03/2002 16:05	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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: 04/04/2002 18:06
Sampled: 03/26/2002 11:40	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 18:06	
<i>Surrogate(s)</i>						
Trifluorotoluene-FID	55.3	53-125	%	1.00	04/04/2002 18:06	

Submission #: 2002-03-0527

**SEVERN
TRENT
SERVICES**

Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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: 04/03/2002 17:05
Sampled: 03/26/2002 09:15	QC-Batch: 2002/04/03-01.01
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 17:05	
Surrogate(s)						
4-Bromofluorobenzene-FID	76.8	58-124	%	1.00	04/03/2002 17:05	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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CA DHS ELAP#1094

Sample ID: MFC-40-3.0-3.5	Lab Sample ID: 2002-03-0527-016
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/03/2002 17:35
Sampled: 03/26/2002 09:10	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 17:35	
Surrogate(s)						
Trifluorotoluene-FID	62.4	53-125	%	1.00	04/03/2002 17:35	

Submission #: 2002-03-0527

Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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SERVICES**

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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: 04/03/2002 18:05
Sampled: 03/26/2002 08:25	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 18:05	
Surrogate(s)						
4-Bromofluorobenzene-FID	81.3	58-124	%	1.00	04/03/2002 18:05	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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 19:38
Sampled: 03/26/2002 08:40	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 19:38	
Surrogate(s)						
Trifluorotoluene-FID	80.7	53-125	%	1.00	04/04/2002 19:38	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035

5030

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Sample ID: TB-032602A	Lab Sample ID: 2002-03-0527-020
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/27/2002 22:26
Sampled: 03/26/2002 15:45	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 22:26	
Surrogate(s)						
4-Bromofluorobenzene-FID	78.9	50-150	%	1.00	03/27/2002 22:26	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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: 04/03/2002 20:05
Sampled: 03/26/2002 13:25	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 20:05	
Surrogate(s)						
4-Bromofluorobenzene-FID	74.8	58-124	%	1.00	04/03/2002 20:05	

Submission #: 2002-03-0527

SEVERN
TRENT
SERVICES

Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

STL San Francisco
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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: 04/03/2002 20:35
Sampled: 03/26/2002 13:16	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 20:35	
<i>Surrogate(s)</i> 4-Bromofluorobenzene-FID	58.9	58-124	%	1.00	04/03/2002 20:35	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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: 04/03/2002 21:05
Sampled: 03/26/2002 15:50	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 21:05	
Surrogate(s)						
4-Bromofluorobenzene-FID	78.6	58-124	%	1.00	04/03/2002 21:05	

Submission #: 2002-03-0527

**SEVERN
TRENT
SERVICES**

Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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CA DHS ELAP#1094

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: 04/03/2002 21:35
Sampled: 03/26/2002 15:40	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 21:35	
<i>Surrogate(s)</i>						
Trifluorotoluene-FID	57.9	53-125	%	1.00	04/03/2002 21:35	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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: 04/03/2002 22:05
Sampled: 03/26/2002 10:50	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 22:05	
Surrogate(s)						
4-Bromofluorobenzene-FID	78.9	58-124	%	1.00	04/03/2002 22:05	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

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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 22:40
Sampled: 03/26/2002 15:00	QC-Batch: 2002/04/04-01.03
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	04/04/2002 22:40	
Surrogate(s)						
4-Bromofluorobenzene-FID	74.2	58-124	%	1.00	04/04/2002 22:40	

Submission #: 2002-03-0527



Gasoline

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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CA DHS ELAP#1094

Sample ID: TB-032602B	Lab Sample ID: 2002-03-0527-035
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/28/2002 17:37
Sampled: 03/26/2002 16:40	QC-Batch: 2002/03/28-01.05
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	03/28/2002 17:37	
Surrogate(s)						
4-Bromofluorobenzene-FID	82.5	50-150	%	1.00	03/28/2002 17:37	

Submission #: 2002-03-0527

Gasoline

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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CA DHS ELAP#1094

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: 04/04/2002 23:11
Sampled: 03/26/2002 09:35	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/04/2002 23:11	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	65.2	58-124	%	1.00	04/04/2002 23:11	

Submission #: 2002-03-0527



Gasoline

Iris Environmental
Attn: Chris Alger

Test Method: 8015M
Prep Method: 5035
5030

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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: 04/05/2002 01:14
Sampled: 03/26/2002 08:35	QC-Batch: 2002/04/04-01.03
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 01:14	
<i>Surrogate(s)</i>						
Trifluorotoluene-FID	59.5	53-125	%	1.00	04/05/2002 01:14	

Submission #: 2002-03-0527



Gasoline

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 5035
5030

STL San Francisco
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Sample ID: MFC-15-GW	Lab Sample ID: 2002-03-0527-040
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 03/28/2002 18:10
Sampled: 03/26/2002	QC-Batch: 2002/03/28-01.05
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	540	50	ug/L	1.00	03/28/2002 18:10	g
Surrogate(s)						
4-Bromofluorobenzene-FID	85.4	50-150	%	1.00	03/28/2002 18:10	

Submission #: 2002-03-0527

**SEVERN
TRENT
SERVICES**

Gasoline

Batch QC report

Test Method: 8015M

Prep Method: 5030

STL San Francisco
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Method Blank	Water	QC Batch # 2002/03/28-01.05
MB: 2002/03/28-01.05-004		Date Extracted: 03/28/2002 08:29

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	03/28/2002 08:29	
<i>Surrogate(s)</i> 4-Bromofluorobenzene-FID	80.5	50-150	%	03/28/2002 08:29	

Submission #: 2002-03-0527



Gasoline
Batch QC report

Test Method: 8015M

Prep Method: 5035

STL San Francisco
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Method Blank **Soil** **QC Batch # 2002/04/03-01.01**
MB: 2002/04/03-01.01-003 Date Extracted: 04/03/2002 08:33

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	04/03/2002 08:33	
<i>Surrogate(s)</i>					
4-Bromofluorobenzene-FID	108.4	58-124	%	04/03/2002 08:33	

Submission #: 2002-03-0527



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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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	
Gasoline Surrogate(s)	464	456	500	500	92.8	91.2	1.7	75-125	20			
4-Bromofluorobenzene	490	501	500	500	98.0	100.2		50-150				

Submission #: 2002-03-0527



Gasoline

Batch QC report

Test Method: 8015M

Prep Method: 5030

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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

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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
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			

Submission #: 2002-03-0527



Gasoline
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 # 2002/04/03-01.01
 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

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctr.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			

Gasoline
Batch QC report

Test Method: 8015M

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/04-01.03
 LCS: 2002/04/04-01.03-006 Extracted: 04/04/2002 09:51 Analyzed: 04/04/2002 09:51
 LCSD: 2002/04/04-01.03-007 Extracted: 04/04/2002 10:21 Analyzed: 04/04/2002 10:21

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

CA DHS ELAP#1094

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctr.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Gasoline	0.444	0.442	0.500	0.500	88.8	88.4	0.5	75-125	35		
Surrogate(s)											
4-Bromofluorobenzene	394	396	500	500	78.8	79.2		58-124			

Submission #: 2002-03-0527



Gasoline
Batch QC Report

Test Method: 8015M

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

Matrix Spike (MS / MSD)	Soil	QC Batch # 2002/04/03-01.01
Sample ID: MFC-41-4.0-4.5 >> MS		Lab ID: 2002-03-0527-011
MS: 2002/04/03-01.01-021	Extracted: 04/03/2002 18:35	Analyzed: 04/03/2002 18:35
		Dilution: 1
MSD: 2002/04/03-01.01-022	Extracted: 04/03/2002 19:05	Analyzed: 04/03/2002 19:05
		Dilution: 1

Compound	Conc. [mg/Kg]			Exp.Conc.		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		Recovery	RPD	MS	MSD
Gasoline	0.342	0.305	ND	0.498	0.493	68.7	61.9	10.4	65-135	35		mso
Surrogate(s)												
Trifluorotoluene-F1	274	387		500	500	54.8	77.4		53-125			

Submission #: 2002-03-0527



Gasoline

Legend & Notes

Test Method: 8015M

Prep Method: 5030
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

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.

Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard

Submission #: 2002-03-0527

TEPH w/ Silica Gel Clean-up



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

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
SitePort of Oakland	

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-41-1.5-2.0	Soil	03/26/2002 10:00	10

Submission #: 2002-03-0527

SEVERN

TRENT

SERVICES

TEPH w/ Silica Gel Clean-up

Iris Environmental

Attn: Chris Alger

Test Method: 8015M

Prep Method: 3550/8015M

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-41-1.5-2.0	Lab Sample ID: 2002-03-0527-010
Project: 01-201-A Port of Oakland	Received: 03/26/2002 18:15
Site: Port of Oakland	Extracted: 04/05/2002 10:02
Sampled: 03/26/2002 10:00	QC-Batch: 2002/04/05-02.10
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	18	1.0	mg/Kg	1.00	04/08/2002 08:21	ndp
Motor Oil	140	50	mg/Kg	1.00	04/08/2002 08:21	
Kerosene	ND	1.0	mg/Kg	1.00	04/08/2002 08:21	
Jet A	ND	1.0	mg/Kg	1.00	04/08/2002 08:21	
Surrogate(s)						
o-Terphenyl	88.2	60-130	%	1.00	04/08/2002 08:21	

Submission #: 2002-03-0527

**SEVERN
TRENT
SERVICES**

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 # 2002/04/05-02.10
MB: 2002/04/05-02.10-001		Date Extracted: 04/05/2002 10:02

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

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	04/08/2002 07:26	
Motor Oil	ND	50	mg/Kg	04/08/2002 07:26	
Kerosene	ND	1	mg/Kg	04/08/2002 07:26	
Jet A	ND	1	mg/Kg	04/08/2002 07:26	
Surrogate(s)					
o-Terphenyl	72.5	60-130	%	04/08/2002 07:26	

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Batch QC report

Test Method: 8015M

Prep Method: 3550/8015M

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Tel 925 484 1919
Fax 925 484 1096
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www.chromalab.com

CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/05-02.10
 LCS: 2002/04/05-02.10-002 Extracted: 04/05/2002 10:02 Analyzed: 04/08/2002 06:11
 LCSD: 2002/04/05-02.10-003 Extracted: 04/05/2002 10:02 Analyzed: 04/08/2002 06:48

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		[%]	Recover	RPD	LCS
Diesel	26.7	32.5	41.7	41.7	64.0	77.9	19.6	60-130	25		
Surrogate(s)											
o-Terphenyl	17.1	17.2	20.0	20.0	85.4	86.1		60-130	0		

Submission #: 2002-03-0527



TEPH w/ Silica Gel Clean-up

Legend & Notes

Test Method: 8015M

Prep Method: 3550/8015M

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

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

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

CERTIFICATE OF ANALYSIS

Report # N087-35

Date: 4/04/02

STL San Francisco
1220 Quarry Lane
Pleasanton

CA 94566-4756

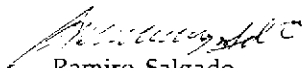
Project: 2002-03-0527

PO#

Date Rec'd: 3/28/02
Date Started: 4/04/02
Date Completed: 4/04/02

Date Sampled: 3/26/02
Time:
Sampler:

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
MFC-7-8.5-9.0	N200812	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-6-8.5-9.0	N200813	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-9-5.0-5.5	N200814	0.5	LUFT	Organic Lead	ND	mg/Kg
MFC-8-5.0-5.5	N200815	0.5	LUFT	Organic Lead	ND	mg/Kg


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

CERTIFICATE OF ANALYSIS

Report # N087-35

Date: 4/04/02

STL San Francisco
1220 Quarry Lane
Pleasanton

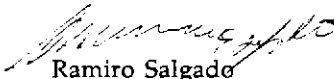
Project: 2002-03-0527

Date Rec'd: 3/28/02
Date Started: 4/04/02
Date Completed: 4/04/02

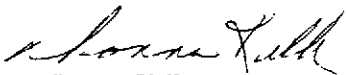
CA 94566-4756 PO#

Date Sampled: 3/26/02
Time:
Sampler:

Sample ID	Lab ID	RL	Method	Analyte	Results	Units
MFC-37-GW	N303302	0.1	LUFT	Organic Lead	ND	mg/L
MFC-15-GW	N303303	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# N087-35

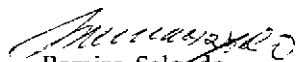
QC REPORT

STL San Francisco
1220 Quarry Lane
Pleasanton

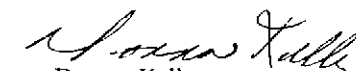
CA 94566-4756

Analyte	Method	Batch #	Dates Analyzed	Orig.	Dupl.	MS %Rec	MSD %Rec	LCS RPD %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

GeoAnalytical Laboratories, Inc.

1405 Kansas Avenue Modesto, CA 95351 Phone (209) 572-0900 Fax (209) 572-0916

Report# N087-35

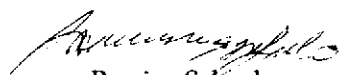
QC REPORT

STL San Francisco
1220 Quarry Lane
Pleasanton

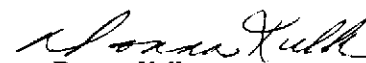
CA 94566-4756

Analyte	Method	Batch #	Dates Analyzed	Orig.	Dupl.	MS %Rec	MSD %Rec	RPD	LCS %Rec	Blank	Comments
Organic Lead	LUFT	102489	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

From:	STL San Francisco (CL)		To:	GeoAnalytical Labs - SUB CONTRACT ONLY	
	1220 Quarry Lane			1405 Kansas Avenue	
	Pleasanton, CA 94566-4756			Modesto, CA 95351	
Project Manager:	Tod Granicher	Phone:	(209) 572-0900	Ext:	
Phone:	(925) 484-1919	Fax:	(209) 572-0916	Contact:	Karen Cole
Fax:	(925) 484-1096	Phone:	(209) 572-0900		
Email:	tgranicher@chromalab.com				

CL Submission #: 2002-03-0527 Project #: 01-201-A
 CL PO #: Project Name: Port of Oakland

Client Sample ID	CL#	Sampled	Matrix	Due
Analysis			Method	
MFC-37-GW	001	03/26/2002 08:00	Water	N303302
Subcontract - Organic Lead			LUFT	04/05/2002 17:00
MFC-7-8.5-9.0	025	03/26/2002 13:25	Soil	N200812
Subcontract - Organic Lead			LUFT	04/05/2002 17:00
MFC-6-8.5-9.0	034	03/26/2002 15:00	Soil	N200813
Subcontract - Organic Lead			LUFT	04/05/2002 17:00
MFC-9-5.0-5.5	036	03/26/2002 09:35	Soil	N200814
Subcontract - Organic Lead			LUFT	04/05/2002 17:00
MFC-8-5.0-5.5	038	03/26/2002 08:35	Soil	N200815
Subcontract - Organic Lead			LUFT	04/05/2002 17:00
MFC-15-GW	040	03/26/2002	Water	N303303
Subcontract - Organic Lead			LUFT	04/05/2002 17:00

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

Standard 5-day

RELINQUISHED BY: 1. <i>D. Harrington</i> Signature Time D. Harrington 1315 Printed Name Date STL-SF 3/28/02 Company	RELINQUISHED BY: 2. <i>R. Rueda</i> Signature Time R. Rueda 1430 Printed Name Date GEO Company	RELINQUISHED BY: 3. Signature Time Printed Name Date Company
RECEIVED BY: 1. <i>R. Rueda</i> Signature Time R. Rueda 1315 Printed Name Date GEO Company	RECEIVED BY: 2. <i>Lidia Padilla</i> Signature Time Lidia Padilla 1430 Printed Name Date GEO Company	RECEIVED BY: 3. Signature Time Printed Name Date Company

IRIS ENVIRONMENTAL **CHAIN-OF-CUSTODY** Date: 03/26/03 Page 1 of 5

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

2002-03-0527

Samplers (signature): *SG*

Sample ID	Date	Time	Matrix	Preserv.	Analyses Required								Number of Containers			
					VOL-8260	TPH _g	SVOCs	CHLORINATED	TOTAL METALS	Cr 6	TEPH* 8015					
1 MFC-37-GW	03/26	8 ⁰⁰	AW.	—			X	X								1
2 MFC-39-1.5-2.0	03/26	—	SOIL	—	X	X	X	X	X	X	X	X	X	X	X	1
3 MFC-29-1.0-1.5		15 ¹⁸			X	X	X	X	X	X	X	X	X	X	X	1
4 MFC-29-4.5-5.0-DUP		15 ²⁰			X	X	X	X	X	X	X	X	X	X	X	1
5 MFC-29-4.5-5.0		15 ²⁰			X	X	X	X	X	X	X	X	X	X	X	1
6 MFC-34-5.5-6.0		14 ⁵⁰			X	X	X	X	X	X	X	X	X	X	X	1
7 MFC-34-1.5-2.0		14 ³⁵			X	X	X	X	X	X	X	X	X	X	X	1
8 MFC-34-3.0-3.5		14 ⁴⁰			X	X	X	X	X	X	X	X	X	X	X	1
9 MFC-41-2.5-3.0		10 ⁰⁰			X	X	X	X	X	X	X	X	X	X	X	1
10 MFC-41-1.5-2.0		10 ⁰⁰			X	X	X	X	X	X	X	X	X	X	X	1

Project Information	Sample Receipt
Project Name: <u>7th St. Port & Parking</u>	# of Containers
Project Number: <u>01-201-A</u>	Head space
Contact: <u>Emily Corwin</u>	Temperature: <u>3.8°C</u>
E-mail: <u>ecorwin@irisenv.com</u>	Conforms to Record

Relinquished By: <i>SG</i>	Received By: <i>Douglas Kolberg</i>
(Signature): <u>Emily Corwin</u>	(Signature): <u>Douglas Kolberg</u>
(Name): <u>IRIS ENVIRONMENTAL</u>	(Name): <u>Emily Corwin</u>
(Company):	(Company):

Report: Routine Level 2 Level 3 Level 4 Electronic

TAT: 5-Day 24 48 72 Other: 7-DAY

Relinquished By: <i>Douglas Kolberg</i>	Received By: <i>Dennis Harrington</i>
(Signature): <u>Douglas Kolberg</u>	(Signature): <u>Dennis Harrington</u>
(Name): <u>Douglas Kolberg</u>	(Name): <u>STL-SF 3/26/02</u>
(Company):	(Company): <u>1815</u>

Special Instructions/Comments:

* TEPH = D, mo, jet-A, k w/ Si gel clean up.

PLEASE composite all: MFC 41-2.5-3.0 / MFC-41-1.5-2.0 / MFC 41-4.0/4.5. (LISTED ON PG. 2)

IRIS ENVIRONMENTAL

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

CHAIN-OF-CUSTODY

Date: 6/26/02 Page 2 of 5

2002-03-0527

Samplers (signature):

SL

Sample ID Date Time Matrix Preserv.

					Analyses Required										Number of Containers	
VOCs B210	TPHs	SNOCS	Organic lead	TOTAL METALS CAM17	Cr 6 7190A	TEPH*BOIS										
11	MFC-41-4.0-4.5	03/26	10 ⁰⁰	SOIL	—	X	X	X	X	X	X	X	X	X	X	1
12	MFC-44-1.5-2.0		11 ³⁰			X	X	X	X	X	X	X	X	X	X	1
13	MFC-44-4.5-5.0		11 ⁴⁰			X	X	X	X	X	X	X	X	X	X	1
14	MFC-40-4.5-5.0		9 ¹⁵			X	X	X	X	X	X	X	X	X	X	1
15	MFC-40-1.5-2.0		9 ¹⁰			X	X	X	X	X	X	X	X	X	X	1
16	MFC-40-3.0-3.5		9 ¹⁰			X	X	X	X	X	X	X	X	X	X	1
17	MFC-38-2.5-3.0		8 ²⁵			X	X	X	X	X	X	X	X	X	X	1
18	MFC-38-1.0-1.5		8 ²⁰			X	X	X	X	X	X	X	X	X	X	1
19	MFC-38-5.0-5.5		8 ⁴⁰			X	X	X	X	X	X	X	X	X	X	1
20	TB-032602A		15 ⁴⁵	AQ	HCE	X	X									3

Project Information

Project Name: 7th St.
 Project Number: 01-201-A
 Contact: EMILY COEWIN
 E-mail: ecowin@irisenv.com

Sample Receipt

of Containers: _____
 Head space: _____
 Temperature: _____
 Conforms to Record: _____

Relinquished By:

SL
 (Signature): _____
 (Name): EMILY COEWIN
 (Company): IRIS ENVIRONMENTAL

Received By:

D Douglas Kolberg
 (Signature): _____
 (Name): Douglas Kolberg
 (Company): STL CHROMALAB

Report: Routine Level 2 Level 3 Level 4 Electronic

TAT: 5-Day 24 48 72 Other: 7-DAY

Special Instructions/Comments:



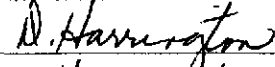
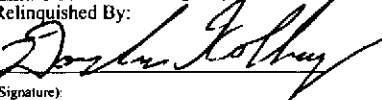
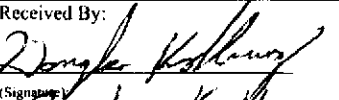
*TEPH = D, mo, jet-A, k w/ sigel cleanup.

Relinquished By:

D Douglas Kolberg
 (Signature): _____
 (Name): Douglas Kolberg
 (Company): _____

Received By:

D Harrington
 (Signature): _____
 (Name): D Harrington
 (Company): STL-SF 3/26/02
 1815

IRIS ENVIRONMENTAL 1615 Broadway, Suite 1003 Oakland, CA 94612 (510) 834-4747 (510) 834-4199 (fax)					CHAIN-OF-CUSTODY										Date <u>3/26/02</u> Page <u>3</u> of <u>5</u>						
					2002-03-0527					Analyses Required											
Samplers (signature): 					VOCS	SVOCs	TOTAL METALS Cadmium	Cr ⁶ / Hg / Pb	TPH BTEX GOD	TEPH * GOD	organic LEAD										Number of Containers
Sample ID	Date	Time	Matrix	Preserv.																	
21	MFC-32-1.5-2.0	03/26	15 ⁵⁰	SOIL	—	X	X	X	X	X										1	
22	MFC-40-6W		14³⁰	AQ.	—				X											1	
23	MFC-44-6W		14 ³⁰	AQ	—				X											1	
24	MFC-41-6W		12 ⁰⁰	AQ.	—				X											1	
25	MFC-7-8.5-9.0		13 ²⁵	SOIL	↓	X	X	X	X	X	X									1	
26	MFC-7-3.0-3.5		13 ¹¹	SOIL	↓	X	X	X	X	X										1	
27	MFC-7-5.0-5.5		13 ¹⁶	SOIL	↓	X	X	X	X	X										1	
28	MFC-5-11.0-11.5		15 ⁵⁰	SOIL	↓	X	X	X	X	X										1	
29	MFC-5-8.0-8.5		15 ⁴⁰	SOIL	↓	X	X	X	X	X										1	
30	MFC-5-5.0-5.5		15 ⁴⁰	SOIL	↓	X	X	X	X	X										1	
Project Information					Sample Receipt					Relinquished By:					Received By:						
Project Name: <u>7m SF. Port of Oakland.</u>					# of Containers																
Project Number <u>01-201-A</u>					Head space					(Signature):					(Signature):						
Contact: <u>Emily Corwin</u>					Temperature					EMILY Corwin					D. Harrington						
E-mail: <u>ecorwin</u> @irisenv.com					Conforms to Record					(Name):					(Name):						
Report: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> Electronic										IRIS ENVIRONMENTAL					STL-CF 3/26/02						
TAT					5-Day 24 48 72 Other: <u>7-DAY</u>					(Company):					(Company):						
Special Instructions/Comments:										Relinquished By:					Received By:						
* FDR MFC-40-6W, MFC-41-6W, MFC-44-6W TEPH = MO, jet-A, and K w/ Si gel clean-up. FDR ALL OTHERS TEPH = d, mo, jet-A and K w/ Si gel clean-up.																					
										(Signature):					(Signature):						
										(Name):					(Name):						
										Douglas Kolberg					Gironde Lab Services						
										(Company):					(Company):						

IRIS ENVIRONMENTAL

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

2002-03-0527

CHAIN-OF-CUSTODY

Date: 03/26/02 Page 4 of 5

Samplers (signature): *SL*

Sample ID Date Time Matrix Preserv.

					Analyses Required										Number of Containers			
VOCs	SVOCs	SEMI METALS Cd, Hg, Pb, Cr, Ni, Mn, Cu, Zn, Al	As	Fluoride	PAHs 16	PCBs 12	DDTs 6	OCs 6	Organic Lead									
																		1
X					X	X	X	X	X									1
X					X	X	X	X	X									1
X					X	X	X	X	X	X								1
X					X	X	X	X	X	X								3
X					X	X	X	X	X	X								1
X					X	X	X	X	X	X								1
X					X	X	X	X	X	X								1
X					X	X	X	X	X	X								9

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

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

Report: Routing Level 2 Level 3 Level 4 Electronic

FAT: 5-Day 24 48 72 Other: 7-DAY

Special Instructions/Comments:
* TEPA = d, mo, jet-A, k w/ Si gel - cleanup.

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

Received By: *Douglas Kolberg*
(Signature): _____
(Name): Douglas Kolberg
(Company): CHROMALAB

Relinquished By: *Douglas Kolberg*
(Signature): _____
(Name): Douglas Kolberg
(Company): CHROMALAB

Received By: *D. Harrington*
(Signature): _____
(Name): D. Harrington
(Company): STL-SE 3/26/02

STL CHEMICALS 65496 1444

IRIS ENVIRONMENTAL

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

CHAIN-OF-CUSTODY

Date 03/26/02 Page 5 of 5

2002-03-0527

Samplers (signature): *SLI*

Sample ID Date Time Matrix Preserv.

Sample ID	Date	Time	Matrix	Preserv.	Analyses Required										Number of Containers								
					VOCs	SOLs	TOTAL METALS CML7	Cr 7196-A	PAT BIB PBYX EOLC	TEPH BUS	ORGANIC SOLV.												
MFC-37-6W	03/26	8:00	AQ.	—		X								X								2	

Project Information

Project Name: 7th St.
Project Number: 01-201-A
Contact: EMILY COLEMAN
E-mail: ecoleman@irisenv.com

Sample Receipt

of Containers: _____
Head space: _____
Temperature: _____
Conforms to Record: _____

Relinquished By:

SLI
(Signature): _____
(Name): EMILY COLEMAN
(Company): IRIS ENVIRONMENTAL

Received By:

Joseph Kolberg
(Signature): _____
(Name): Joseph Kolberg
(Company): STL-SF

Report: (Routine) Level 2 Level 3 Level 4 Electronic

TAT 5-Day 24 48 72 Other: 7 DAY

Special Instructions/Comments:

* TEPH = D, mo, jet-A, k w/ Sigel clean-up.

Relinquished By:

Joseph Kolberg
(Signature): _____
(Name): Joseph Kolberg
(Company): _____

Received By:

Debbie Harrington
(Signature): _____
(Name): D. Harrington
(Company): STL-SF 3/26/02 @ 1815



Sample Receipt Checklist

STL San Francisco

Client Name: Iris Env. Date/Time Received: 3/26/02 @ 1815
Reference/Subm #: 2002-03-0527 Received by: Denise Harrington

Checklist completed by: Denise Harrington 3/26/02 Reviewed By: _____
Signature Date Initial/Date

Matrix: Soil Water Other _____

Carrier name: Client - STL SF - World

Shipping container/cooler in good condition? Yes ___ No ___ Present ___
Not Present ___

Custody seals intact on shipping container/cooler? Yes ___ No ___ Present ___
Not Present ___

Custody seals intact on sample bottles? Yes ___ No ___ Present ___
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: ___ °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: Water Sample MFC - 37 - GW listed twice on COCs (1st + last).

Corrective Action: _____

Submission #: 2002-03-0553

Date: April 11, 2002

SEVERN

TRENT

SERVICES

Iris Environmental

1615 Broadway, Suite 1003
Oakland, CA 94612

Attn: Chris Alger

Project: 01-201-A
Port of Oakland 7th 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 Wednesday March 27, 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 11, 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	Project: Port of Oakland 7th 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

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-5-4.0	Air	03/27/2002 16:50	42
MFC-7-4.0	Air	03/27/2002 16:40	43
MFC-10-4.0	Air	03/27/2002 16:15	44
MFC-3-4.0	Air	03/27/2002 15:58	45
MFC-1-4.0	Air	03/27/2002 15:43	46
MFC-13-4.0	Air	03/27/2002 15:30	47
MFC-15-4.0	Air	03/27/2002 15:08	48
MFC-14-4.0	Air	03/27/2002 15:17	49

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 94566Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID: MFC-5-4.0	Lab Sample ID: 2002-03-0553-042
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 16:06
Sampled: 03/27/2002 16:50	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/28/2002 16:06	
Acetone	ND	50	ug/L	1.00	03/28/2002 16:06	
Benzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Bromobenzene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
Bromochloromethane	ND	1.0	ug/L	1.00	03/28/2002 16:06	
Bromoform	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Bromomethane	ND	1.0	ug/L	1.00	03/28/2002 16:06	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/28/2002 16:06	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
Carbon disulfide	ND	5.0	ug/L	1.00	03/28/2002 16:06	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Chlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Chloroethane	ND	1.0	ug/L	1.00	03/28/2002 16:06	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/28/2002 16:06	
Chloroform	ND	1.0	ug/L	1.00	03/28/2002 16:06	
Chloromethane	ND	1.0	ug/L	1.00	03/28/2002 16:06	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/28/2002 16:06	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,1-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/28/2002 16:06	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Dibromomethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 16:06	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID: MFC-5-4.0	Lab Sample ID: 2002-03-0553-042
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 16:06
Sampled: 03/27/2002 16:50	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Ethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
2-Hexanone	ND	50	ug/L	1.00	03/28/2002 16:06	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
Methylene chloride	ND	5.0	ug/L	1.00	03/28/2002 16:06	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/28/2002 16:06	
Naphthalene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
Styrene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Toluene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 16:06	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Trichloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Trichlorofluoromethane	1.4	1.0	ug/L	1.00	03/28/2002 16:06	
Trichlorotrifluoroethane	2.1	1.0	ug/L	1.00	03/28/2002 16:06	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Vinyl acetate	ND	25	ug/L	1.00	03/28/2002 16:06	
Vinyl chloride	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Total xylenes	ND	0.50	ug/L	1.00	03/28/2002 16:06	
Surrogate(s)						
4-Bromofluorobenzene	102.3	86-115	%	1.00	03/28/2002 16:06	
1,2-Dichloroethane-d4	105.2	76-114	%	1.00	03/28/2002 16:06	
Toluene-d8	98.9	88-110	%	1.00	03/28/2002 16:06	

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

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

CA DHS ELAP#1094

Sample ID: MFC-7-4.0	Lab Sample ID: 2002-03-0553-043
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 16:43
Sampled: 03/27/2002 16:40	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/28/2002 16:43	
Acetone	ND	50	ug/L	1.00	03/28/2002 16:43	
Benzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Bromobenzene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
Bromochloromethane	ND	1.0	ug/L	1.00	03/28/2002 16:43	
Bromoform	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Bromomethane	ND	1.0	ug/L	1.00	03/28/2002 16:43	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/28/2002 16:43	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
Carbon disulfide	ND	5.0	ug/L	1.00	03/28/2002 16:43	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Chlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Chloroethane	ND	1.0	ug/L	1.00	03/28/2002 16:43	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/28/2002 16:43	
Chloroform	ND	1.0	ug/L	1.00	03/28/2002 16:43	
Chloromethane	ND	1.0	ug/L	1.00	03/28/2002 16:43	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/28/2002 16:43	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/28/2002 16:43	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Dibromomethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 16:43	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

Sample ID: MFC-7-4.0	Lab Sample ID: 2002-03-0553-043
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 16:43
Sampled: 03/27/2002 16:40	QC-Batch: 2002/03/28-01.06
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
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Ethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
2-Hexanone	ND	50	ug/L	1.00	03/28/2002 16:43	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
Methylene chloride	ND	5.0	ug/L	1.00	03/28/2002 16:43	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/28/2002 16:43	
Naphthalene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
Styrene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Toluene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 16:43	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Trichloroethene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/28/2002 16:43	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/28/2002 16:43	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Vinyl acetate	ND	25	ug/L	1.00	03/28/2002 16:43	
Vinyl chloride	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Total xylenes	ND	0.50	ug/L	1.00	03/28/2002 16:43	
Surrogate(s)						
4-Bromofluorobenzene	102.9	86-115	%	1.00	03/28/2002 16:43	
1,2-Dichloroethane-d4	102.8	76-114	%	1.00	03/28/2002 16:43	
Toluene-d8	98.8	88-110	%	1.00	03/28/2002 16:43	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566Tel 925 484 1919
Fax 925 484 1096
www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Sample ID: MFC-10-4.0	Lab Sample ID: 2002-03-0553-044
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 17:19
Sampled: 03/27/2002 16:15	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/28/2002 17:19	
Acetone	ND	50	ug/L	1.00	03/28/2002 17:19	
Benzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Bromobenzene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
Bromochloromethane	ND	1.0	ug/L	1.00	03/28/2002 17:19	
Bromoform	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Bromomethane	ND	1.0	ug/L	1.00	03/28/2002 17:19	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/28/2002 17:19	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
Carbon disulfide	ND	5.0	ug/L	1.00	03/28/2002 17:19	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Chlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Chloroethane	ND	1.0	ug/L	1.00	03/28/2002 17:19	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/28/2002 17:19	
Chloroform	ND	1.0	ug/L	1.00	03/28/2002 17:19	
Chloromethane	ND	1.0	ug/L	1.00	03/28/2002 17:19	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/28/2002 17:19	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/28/2002 17:19	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Dibromomethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 17:19	

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-10-4.0	Lab Sample ID: 2002-03-0553-044
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 17:19
Sampled: 03/27/2002 16:15	QC-Batch: 2002/03/28-01.06
Matrix: Air	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Ethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
2-Hexanone	ND	50	ug/L	1.00	03/28/2002 17:19	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
Methylene chloride	ND	5.0	ug/L	1.00	03/28/2002 17:19	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/28/2002 17:19	
Naphthalene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
Styrene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Toluene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 17:19	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Trichloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/28/2002 17:19	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/28/2002 17:19	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Vinyl acetate	ND	25	ug/L	1.00	03/28/2002 17:19	
Vinyl chloride	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Total xylenes	ND	0.50	ug/L	1.00	03/28/2002 17:19	
Surrogate(s)						
4-Bromofluorobenzene	102.4	86-115	%	1.00	03/28/2002 17:19	
1,2-Dichloroethane-d4	102.5	76-114	%	1.00	03/28/2002 17:19	
Toluene-d8	99.2	88-110	%	1.00	03/28/2002 17:19	

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-3-4.0	Lab Sample ID: 2002-03-0553-045
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 17:56
Sampled: 03/27/2002 15:58	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/28/2002 17:56	
Acetone	ND	50	ug/L	1.00	03/28/2002 17:56	
Benzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Bromobenzene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
Bromochloromethane	ND	1.0	ug/L	1.00	03/28/2002 17:56	
Bromoform	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Bromomethane	ND	1.0	ug/L	1.00	03/28/2002 17:56	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/28/2002 17:56	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
Carbon disulfide	ND	5.0	ug/L	1.00	03/28/2002 17:56	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Chlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Chloroethane	ND	1.0	ug/L	1.00	03/28/2002 17:56	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/28/2002 17:56	
Chloroform	ND	1.0	ug/L	1.00	03/28/2002 17:56	
Chloromethane	ND	1.0	ug/L	1.00	03/28/2002 17:56	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/28/2002 17:56	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/28/2002 17:56	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Dibromomethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 17:56	

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-3-4.0	Lab Sample ID: 2002-03-0553-045
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 17:56
Sampled: 03/27/2002 15:58	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Ethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
2-Hexanone	ND	50	ug/L	1.00	03/28/2002 17:56	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
Methylene chloride	ND	5.0	ug/L	1.00	03/28/2002 17:56	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/28/2002 17:56	
Naphthalene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
Styrene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Toluene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 17:56	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Trichloroethene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/28/2002 17:56	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/28/2002 17:56	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Vinyl acetate	ND	25	ug/L	1.00	03/28/2002 17:56	
Vinyl chloride	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Total xylenes	ND	0.50	ug/L	1.00	03/28/2002 17:56	
Surrogate(s)						
4-Bromofluorobenzene	102.0	86-115	%	1.00	03/28/2002 17:56	
1,2-Dichloroethane-d4	101.1	76-114	%	1.00	03/28/2002 17:56	
Toluene-d8	100.4	88-110	%	1.00	03/28/2002 17:56	

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-1-4.0	Lab Sample ID: 2002-03-0553-046
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 18:32
Sampled: 03/27/2002 15:43	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/28/2002 18:32	
Acetone	ND	50	ug/L	1.00	03/28/2002 18:32	
Benzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Bromobenzene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
Bromochloromethane	ND	1.0	ug/L	1.00	03/28/2002 18:32	
Bromoform	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Bromomethane	ND	1.0	ug/L	1.00	03/28/2002 18:32	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/28/2002 18:32	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
Carbon disulfide	ND	5.0	ug/L	1.00	03/28/2002 18:32	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Chlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Chloroethane	ND	1.0	ug/L	1.00	03/28/2002 18:32	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/28/2002 18:32	
Chloroform	ND	1.0	ug/L	1.00	03/28/2002 18:32	
Chloromethane	ND	1.0	ug/L	1.00	03/28/2002 18:32	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/28/2002 18:32	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/28/2002 18:32	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Dibromomethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
cis-1,2-Dichloroethene	1.4	0.50	ug/L	1.00	03/28/2002 18:32	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 18:32	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-1-4.0	Lab Sample ID: 2002-03-0553-046
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 18:32
Sampled: 03/27/2002 15:43	QC-Batch: 2002/03/28-01.06
Matrix: Air	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Ethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
2-Hexanone	ND	50	ug/L	1.00	03/28/2002 18:32	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
Methylene chloride	ND	5.0	ug/L	1.00	03/28/2002 18:32	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/28/2002 18:32	
Naphthalene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
Styrene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Toluene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 18:32	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Trichloroethene	1.6	0.50	ug/L	1.00	03/28/2002 18:32	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/28/2002 18:32	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/28/2002 18:32	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Vinyl acetate	ND	25	ug/L	1.00	03/28/2002 18:32	
Vinyl chloride	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Total xylenes	ND	0.50	ug/L	1.00	03/28/2002 18:32	
Surrogate(s)						
4-Bromofluorobenzene	104.6	86-115	%	1.00	03/28/2002 18:32	
1,2-Dichloroethane-d4	99.2	76-114	%	1.00	03/28/2002 18:32	
Toluene-d8	100.8	88-110	%	1.00	03/28/2002 18:32	

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-13-4.0	Lab Sample ID: 2002-03-0553-047
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 19:09
Sampled: 03/27/2002 15:30	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/28/2002 19:09	
Acetone	ND	50	ug/L	1.00	03/28/2002 19:09	
Benzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Bromobenzene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
Bromochloromethane	ND	1.0	ug/L	1.00	03/28/2002 19:09	
Bromoform	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Bromomethane	ND	1.0	ug/L	1.00	03/28/2002 19:09	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/28/2002 19:09	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
Carbon disulfide	ND	5.0	ug/L	1.00	03/28/2002 19:09	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Chlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Chloroethane	ND	1.0	ug/L	1.00	03/28/2002 19:09	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/28/2002 19:09	
Chloroform	ND	1.0	ug/L	1.00	03/28/2002 19:09	
Chloromethane	ND	1.0	ug/L	1.00	03/28/2002 19:09	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/28/2002 19:09	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/28/2002 19:09	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Dibromomethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 19:09	

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-13-4.0	Lab Sample ID: 2002-03-0553-047
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 19:09
Sampled: 03/27/2002 15:30	QC-Batch: 2002/03/28-01.06
Matrix: Air	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Ethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
2-Hexanone	ND	50	ug/L	1.00	03/28/2002 19:09	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
Methylene chloride	ND	5.0	ug/L	1.00	03/28/2002 19:09	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/28/2002 19:09	
Naphthalene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
Styrene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Toluene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 19:09	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Trichloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/28/2002 19:09	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/28/2002 19:09	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Vinyl acetate	ND	25	ug/L	1.00	03/28/2002 19:09	
Vinyl chloride	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Total xylenes	ND	0.50	ug/L	1.00	03/28/2002 19:09	
Surrogate(s)						
4-Bromofluorobenzene	103.0	86-115	%	1.00	03/28/2002 19:09	
1,2-Dichloroethane-d4	99.7	76-114	%	1.00	03/28/2002 19:09	
Toluene-d8	100.3	88-110	%	1.00	03/28/2002 19:09	

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-15-4.0	Lab Sample ID: 2002-03-0553-048
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 19:45
Sampled: 03/27/2002 15:08	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/28/2002 19:45	
Acetone	ND	50	ug/L	1.00	03/28/2002 19:45	
Benzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Bromobenzene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
Bromochloromethane	ND	1.0	ug/L	1.00	03/28/2002 19:45	
Bromoform	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Bromomethane	ND	1.0	ug/L	1.00	03/28/2002 19:45	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/28/2002 19:45	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
Carbon disulfide	ND	5.0	ug/L	1.00	03/28/2002 19:45	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Chlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Chloroethane	ND	1.0	ug/L	1.00	03/28/2002 19:45	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/28/2002 19:45	
Chloroform	ND	1.0	ug/L	1.00	03/28/2002 19:45	
Chloromethane	ND	1.0	ug/L	1.00	03/28/2002 19:45	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/28/2002 19:45	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/28/2002 19:45	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Dibromomethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
cis-1,2-Dichloroethene	0.99	0.50	ug/L	1.00	03/28/2002 19:45	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 19:45	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: MFC-15-4.0	Lab Sample ID: 2002-03-0553-048
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 19:45
Sampled: 03/27/2002 15:08	QC-Batch: 2002/03/28-01.06
Matrix: Air	

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Ethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
2-Hexanone	ND	50	ug/L	1.00	03/28/2002 19:45	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
p-isopropyltoluene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
Methylene chloride	ND	5.0	ug/L	1.00	03/28/2002 19:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/28/2002 19:45	
Naphthalene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
Styrene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Toluene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 19:45	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Trichloroethene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/28/2002 19:45	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/28/2002 19:45	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Vinyl acetate	ND	25	ug/L	1.00	03/28/2002 19:45	
Vinyl chloride	1.0	0.50	ug/L	1.00	03/28/2002 19:45	
Total xylenes	ND	0.50	ug/L	1.00	03/28/2002 19:45	
Surrogate(s)						
4-Bromofluorobenzene	104.4	86-115	%	1.00	03/28/2002 19:45	
1,2-Dichloroethane-d4	105.6	76-114	%	1.00	03/28/2002 19:45	
Toluene-d8	100.0	88-110	%	1.00	03/28/2002 19:45	

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-14-4.0	Lab Sample ID: 2002-03-0553-049
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 20:21
Sampled: 03/27/2002 15:17	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	03/28/2002 20:21	
Acetone	ND	50	ug/L	1.00	03/28/2002 20:21	
Benzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Bromobenzene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
Bromochloromethane	ND	1.0	ug/L	1.00	03/28/2002 20:21	
Bromoform	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Bromomethane	ND	1.0	ug/L	1.00	03/28/2002 20:21	
2-Butanone(MEK)	ND	50	ug/L	1.00	03/28/2002 20:21	
n-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
sec-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
tert-Butylbenzene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
Carbon disulfide	ND	5.0	ug/L	1.00	03/28/2002 20:21	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Chlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Chloroethane	ND	1.0	ug/L	1.00	03/28/2002 20:21	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	03/28/2002 20:21	
Chloroform	ND	1.0	ug/L	1.00	03/28/2002 20:21	
Chloromethane	ND	1.0	ug/L	1.00	03/28/2002 20:21	
2-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
4-Chlorotoluene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	03/28/2002 20:21	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	03/28/2002 20:21	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Dibromomethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/28/2002 20:21	

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-14-4.0	Lab Sample ID: 2002-03-0553-049
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/28/2002 20:21
Sampled: 03/27/2002 15:17	QC-Batch: 2002/03/28-01.06
Matrix: Air	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Ethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
2-Hexanone	ND	50	ug/L	1.00	03/28/2002 20:21	
Isopropylbenzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
Methylene chloride	ND	5.0	ug/L	1.00	03/28/2002 20:21	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	03/28/2002 20:21	
Naphthalene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
n-Propylbenzene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
Styrene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Toluene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	03/28/2002 20:21	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Trichloroethene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	03/28/2002 20:21	
Trichlorotrifluoroethane	ND	1.0	ug/L	1.00	03/28/2002 20:21	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Vinyl acetate	ND	25	ug/L	1.00	03/28/2002 20:21	
Vinyl chloride	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Total xylenes	ND	0.50	ug/L	1.00	03/28/2002 20:21	
Surrogate(s)						
4-Bromofluorobenzene	102.6	86-115	%	1.00	03/28/2002 20:21	
1,2-Dichloroethane-d4	102.9	76-114	%	1.00	03/28/2002 20:21	
Toluene-d8	101.6	88-110	%	1.00	03/28/2002 20:21	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

STL San Francisco
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CA DHS ELAP#1094

Method Blank	Water	QC Batch # 2002/03/28-01.06
MB: 2002/03/28-01.06-004		Date Extracted: 03/28/2002 11:06

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	03/28/2002 11:06	
Acetone	ND	50	ug/L	03/28/2002 11:06	
Benzene	ND	0.5	ug/L	03/28/2002 11:06	
Bromodichloromethane	ND	0.5	ug/L	03/28/2002 11:06	
Bromobenzene	ND	1.0	ug/L	03/28/2002 11:06	
Bromochloromethane	ND	1.0	ug/L	03/28/2002 11:06	
Bromoform	ND	0.5	ug/L	03/28/2002 11:06	
Bromomethane	ND	1.0	ug/L	03/28/2002 11:06	
2-Butanone(MEK)	ND	50	ug/L	03/28/2002 11:06	
n-Butylbenzene	ND	1.0	ug/L	03/28/2002 11:06	
sec-Butylbenzene	ND	1.0	ug/L	03/28/2002 11:06	
tert-Butylbenzene	ND	1.0	ug/L	03/28/2002 11:06	
Carbon disulfide	ND	5.0	ug/L	03/28/2002 11:06	
Carbon tetrachloride	ND	0.5	ug/L	03/28/2002 11:06	
Chlorobenzene	ND	0.5	ug/L	03/28/2002 11:06	
Chloroethane	ND	1.0	ug/L	03/28/2002 11:06	
2-Chloroethylvinyl ether	ND	5.0	ug/L	03/28/2002 11:06	
Chloroform	ND	1.0	ug/L	03/28/2002 11:06	
Chloromethane	ND	1.0	ug/L	03/28/2002 11:06	
2-Chlorotoluene	ND	0.5	ug/L	03/28/2002 11:06	
4-Chlorotoluene	ND	0.5	ug/L	03/28/2002 11:06	
Dibromochloromethane	ND	0.5	ug/L	03/28/2002 11:06	
1,2-Dichlorobenzene	ND	0.5	ug/L	03/28/2002 11:06	
1,3-Dichlorobenzene	ND	0.5	ug/L	03/28/2002 11:06	
1,4-Dichlorobenzene	ND	0.5	ug/L	03/28/2002 11:06	
1,3-Dichloropropane	ND	1.0	ug/L	03/28/2002 11:06	
2,2-Dichloropropane	ND	0.5	ug/L	03/28/2002 11:06	
1,1-Dichloropropene	ND	0.5	ug/L	03/28/2002 11:06	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	03/28/2002 11:06	
1,2-Dibromoethane	ND	0.5	ug/L	03/28/2002 11:06	
Dibromomethane	ND	0.5	ug/L	03/28/2002 11:06	
Dichlorodifluoromethane	ND	0.5	ug/L	03/28/2002 11:06	
1,1-Dichloroethane	ND	0.5	ug/L	03/28/2002 11:06	
1,2-Dichloroethane	ND	0.5	ug/L	03/28/2002 11:06	
1,1-Dichloroethene	ND	0.5	ug/L	03/28/2002 11:06	
cis-1,2-Dichloroethene	ND	0.5	ug/L	03/28/2002 11:06	
trans-1,2-Dichloroethene	ND	0.5	ug/L	03/28/2002 11:06	
1,2-Dichloropropane	ND	0.5	ug/L	03/28/2002 11:06	
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/28/2002 11:06	
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/28/2002 11:06	
Ethylbenzene	ND	0.5	ug/L	03/28/2002 11:06	

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 # 2002/03/28-01.06

MB: 2002/03/28-01.06-004

Date Extracted: 03/28/2002 11:06

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	03/28/2002 11:06	
2-Hexanone	ND	50	ug/L	03/28/2002 11:06	
Isopropylbenzene	ND	0.5	ug/L	03/28/2002 11:06	
p-Isopropyltoluene	ND	1.0	ug/L	03/28/2002 11:06	
Methylene chloride	ND	5.0	ug/L	03/28/2002 11:06	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	03/28/2002 11:06	
Naphthalene	ND	1.0	ug/L	03/28/2002 11:06	
n-Propylbenzene	ND	1.0	ug/L	03/28/2002 11:06	
Styrene	ND	0.5	ug/L	03/28/2002 11:06	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	03/28/2002 11:06	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/28/2002 11:06	
Tetrachloroethene	ND	0.5	ug/L	03/28/2002 11:06	
Toluene	ND	0.5	ug/L	03/28/2002 11:06	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	03/28/2002 11:06	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	03/28/2002 11:06	
1,1,1-Trichloroethane	ND	0.5	ug/L	03/28/2002 11:06	
1,1,2-Trichloroethane	ND	0.5	ug/L	03/28/2002 11:06	
Trichloroethene	ND	0.5	ug/L	03/28/2002 11:06	
Trichlorofluoromethane	ND	1.0	ug/L	03/28/2002 11:06	
Trichlorotrifluoroethane	ND	0.5	ug/L	03/28/2002 11:06	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	03/28/2002 11:06	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	03/28/2002 11:06	
Vinyl acetate	ND	25	ug/L	03/28/2002 11:06	
Vinyl chloride	ND	0.5	ug/L	03/28/2002 11:06	
Total xylenes	ND	1.0	ug/L	03/28/2002 11:06	
Surrogate(s)					
4-Bromofluorobenzene	108.8	86-115	%	03/28/2002 11:06	
1,2-Dichloroethane-d4	105.0	76-114	%	03/28/2002 11:06	
Toluene-d8	105.9	88-110	%	03/28/2002 11:06	

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 # 2002/03/28-01.06
 LCS: 2002/03/28-01.06-002 Extracted: 03/28/2002 10:07 Analyzed: 03/28/2002 10:07
 LCSD: 2002/03/28-01.06-003 Extracted: 03/28/2002 10:36 Analyzed: 03/28/2002 10:36

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	21.4	21.7	20.0	20.0	107.0	108.5	1.4	69-129	20		
Chlorobenzene	19.5	19.6	20.0	20.0	97.5	98.0	0.5	61-121	20		
1,1-Dichloroethene	21.7	21.5	20.0	20.0	108.5	107.5	0.9	65-125	20		
Toluene	21.1	21.3	20.0	20.0	105.5	106.5	0.9	70-130	20		
Trichloroethene	20.7	20.9	20.0	20.0	103.5	104.5	1.0	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	528	523	500	500	105.6	104.6		86-115			
1,2-Dichloroethane-d4	523	530	500	500	104.6	106.0		76-114			
Toluene-d8	519	533	500	500	103.8	106.6		88-110			

Volatile Organic Compounds by 8260B (Low Level)

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01-201-A SitePort of Oakland	Project: Port of Oakland 7th St.

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-26-5.0-5.5	Soil	03/27/2002 15:25	6
MFC-26-7.5-8.0	Soil	03/27/2002 15:25	7
MFC-46-7.0-7.5	Soil	03/27/2002 11:45	8
MFC-46-4.0-4.5	Soil	03/27/2002 11:30	9
MFC-24-4.0-4.5	Soil	03/27/2002 08:20	10
MFC-27-4.5-5.0	Soil	03/27/2002 08:50	14
MFC-28-5.0-5.5	Soil	03/27/2002 09:25	15
MFC-20-4.0-4.5	Soil	03/27/2002 13:25	17
MFC-20-7.0-7.5	Soil	03/27/2002 14:10	18
MFC-3-4.5-5.0	Soil	03/27/2002 13:35	20
MFC-3-7.5-8.0	Soil	03/27/2002 13:40	21
MFC-10-5.0-5.5	Soil	03/27/2002 14:25	23
MFC-2-4.5-5.0	Soil	03/27/2002	25
MFC-2-5.5-6.0	Soil	03/27/2002 13:00	27
MFC-11-4.0-4.5	Soil	03/27/2002 10:13	28
MFC-1-2.0-2.5	Soil	03/27/2002 10:42	31
MFC-1-4.0-4.5	Soil	03/27/2002 10:46	32
MFC-4-8.5-9.0	Soil	03/26/2002 17:08	35
MFC-4-11.0-11.5	Soil	03/26/2002 17:20	36
MFC-12-4.0-4.5	Soil	03/26/2002 09:13	38
MFC-13-3.0-3.5	Soil	03/27/2002 08:17	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-26-5.0-5.5	Lab Sample ID: 2002-03-0553-006
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 15:36
Sampled: 03/27/2002 15:25	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 15:36	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 15:36	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 15:36	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 15:36	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 15:36	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 15:36	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 15:36	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 15:36	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 15:36	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 15:36	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 15:36	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 15:36	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	

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-26-5.0-5.5	Lab Sample ID: 2002-03-0553-006
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 15:36
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/05-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 15:36	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 15:36	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 15:36	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 15:36	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 15:36	
Surrogate(s)						
4-Bromofluorobenzene	106.4	74-121	%	1.00	04/05/2002 15:36	
1,2-Dichloroethane-d4	103.0	70-121	%	1.00	04/05/2002 15:36	
Toluene-d8	113.5	81-117	%	1.00	04/05/2002 15:36	

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-26-7.5-8.0	Lab Sample ID: 2002-03-0553-007
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 16:05
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Acetone	ND	50	ug/Kg	1.00	04/08/2002 16:05	
Benzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Bromochloromethane	ND	20	ug/Kg	1.00	04/08/2002 16:05	
Bromoform	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Bromomethane	ND	10	ug/Kg	1.00	04/08/2002 16:05	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/08/2002 16:05	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Chloroethane	ND	10	ug/Kg	1.00	04/08/2002 16:05	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/08/2002 16:05	
Chloroform	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Chloromethane	ND	10	ug/Kg	1.00	04/08/2002 16:05	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/08/2002 16:05	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/08/2002 16:05	
Dibromomethane	ND	10	ug/Kg	1.00	04/08/2002 16:05	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/08/2002 16:05	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	

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-26-7.5-8.0	Lab Sample ID: 2002-03-0553-007
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 16:05
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
2-Hexanone	ND	50	ug/Kg	1.00	04/08/2002 16:05	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/08/2002 16:05	
Naphthalene	ND	10	ug/Kg	1.00	04/08/2002 16:05	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Styrene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Toluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Vinyl acetate	ND	50	ug/Kg	1.00	04/08/2002 16:05	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Total xylenes	ND	5.0	ug/Kg	1.00	04/08/2002 16:05	
Surrogate(s)						
4-Bromofluorobenzene	110.4	74-121	%	1.00	04/08/2002 16:05	
1,2-Dichloroethane-d4	112.0	70-121	%	1.00	04/08/2002 16:05	
Toluene-d8	111.2	81-117	%	1.00	04/08/2002 16:05	

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-46-7.0-7.5	Lab Sample ID: 2002-03-0553-008
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 16:31
Sampled: 03/27/2002 11:45	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Acetone	ND	50	ug/Kg	1.00	04/08/2002 16:31	
Benzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Bromochloromethane	ND	20	ug/Kg	1.00	04/08/2002 16:31	
Bromoform	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Bromomethane	ND	10	ug/Kg	1.00	04/08/2002 16:31	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/08/2002 16:31	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Chloroethane	ND	10	ug/Kg	1.00	04/08/2002 16:31	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/08/2002 16:31	
Chloroform	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Chloromethane	ND	10	ug/Kg	1.00	04/08/2002 16:31	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/08/2002 16:31	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/08/2002 16:31	
Dibromomethane	ND	10	ug/Kg	1.00	04/08/2002 16:31	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/08/2002 16:31	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	

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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Sample ID: MFC-46-7.0-7.5	Lab Sample ID: 2002-03-0553-008
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 16:20
Site: Port of Oakland	Extracted: 04/08/2002 16:31
Sampled: 03/27/2002 11:45	QC-Batch: 2002/04/08-01.09
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	04/08/2002 16:31	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
2-Hexanone	ND	50	ug/Kg	1.00	04/08/2002 16:31	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/08/2002 16:31	
Naphthalene	ND	10	ug/Kg	1.00	04/08/2002 16:31	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Styrene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Tetrachloroethene	6.6	5.0	ug/Kg	1.00	04/08/2002 16:31	
Toluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Vinyl acetate	ND	50	ug/Kg	1.00	04/08/2002 16:31	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Total xylenes	ND	5.0	ug/Kg	1.00	04/08/2002 16:31	
Surrogate(s)						
4-Bromofluorobenzene	105.7	74-121	%	1.00	04/08/2002 16:31	
1,2-Dichloroethane-d4	120.6	70-121	%	1.00	04/08/2002 16:31	
Toluene-d8	110.3	81-117	%	1.00	04/08/2002 16:31	

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-46-4.0-4.5	Lab Sample ID: 2002-03-0553-009
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 17:45
Sampled: 03/27/2002 11:30	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 17:45	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 17:45	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 17:45	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 17:45	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 17:45	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 17:45	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 17:45	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 17:45	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 17:45	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 17:45	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 17:45	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 17:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	

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-46-4.0-4.5	Lab Sample ID: 2002-03-0553-009
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 17:45
Sampled: 03/27/2002 11:30	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 17:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 17:45	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 17:45	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 17:45	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 17:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 17:45	
Surrogate(s)						
4-Bromofluorobenzene	102.1	74-121	%	1.00	04/05/2002 17:45	
1,2-Dichloroethane-d4	110.7	70-121	%	1.00	04/05/2002 17:45	
Toluene-d8	111.8	81-117	%	1.00	04/05/2002 17:45	

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-24-4.0-4.5	Lab Sample ID: 2002-03-0553-010
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 18:11
Sampled: 03/27/2002 08:20	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 18:11	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 18:11	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 18:11	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 18:11	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 18:11	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 18:11	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 18:11	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 18:11	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 18:11	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 18:11	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 18:11	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 18:11	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	

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-24-4.0-4.5	Lab Sample ID: 2002-03-0553-010
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 18:11
Sampled: 03/27/2002 08:20	QC-Batch: 2002/04/05-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 18:11	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 18:11	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 18:11	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 18:11	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 18:11	
Total xylenes	5.0	5.0	ug/Kg	1.00	04/05/2002 18:11	
Surrogate(s)						
4-Bromofluorobenzene	102.8	74-121	%	1.00	04/05/2002 18:11	
1,2-Dichloroethane-d4	113.5	70-121	%	1.00	04/05/2002 18:11	
Toluene-d8	112.5	81-117	%	1.00	04/05/2002 18:11	

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-27-4.5-5.0	Lab Sample ID: 2002-03-0553-014
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 18:37
Sampled: 03/27/2002 08:50	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 18:37	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 18:37	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 18:37	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 18:37	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 18:37	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 18:37	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 18:37	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 18:37	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 18:37	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 18:37	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 18:37	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 18:37	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	

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-27-4.5-5.0	Lab Sample ID: 2002-03-0553-014
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 18:37
Sampled: 03/27/2002 08:50	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 18:37	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 18:37	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 18:37	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 18:37	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 18:37	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 18:37	
Surrogate(s)						
4-Bromofluorobenzene	105.7	74-121	%	1.00	04/05/2002 18:37	
1,2-Dichloroethane-d4	109.8	70-121	%	1.00	04/05/2002 18:37	
Toluene-d8	113.6	81-117	%	1.00	04/05/2002 18:37	

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-28-5.0-5.5	Lab Sample ID: 2002-03-0553-015
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 19:03
Sampled: 03/27/2002 09:25	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 19:03	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 19:03	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 19:03	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 19:03	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 19:03	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 19:03	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 19:03	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 19:03	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 19:03	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 19:03	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 19:03	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 19:03	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	

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-28-5.0-5.5	Lab Sample ID: 2002-03-0553-015
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 19:03
Sampled: 03/27/2002 09:25	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 19:03	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 19:03	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 19:03	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 19:03	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 19:03	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 19:03	
Surrogate(s)						
4-Bromofluorobenzene	109.6	74-121	%	1.00	04/05/2002 19:03	
1,2-Dichloroethane-d4	115.6	70-121	%	1.00	04/05/2002 19:03	
Toluene-d8	115.7	81-117	%	1.00	04/05/2002 19:03	

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-20-4.0-4.5	Lab Sample ID: 2002-03-0553-017
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 19:28
Sampled: 03/27/2002 13:25	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 19:28	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 19:28	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 19:28	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 19:28	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 19:28	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 19:28	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 19:28	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 19:28	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 19:28	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 19:28	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 19:28	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 19:28	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 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-20-4.0-4.5	Lab Sample ID: 2002-03-0553-017
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 19:28
Sampled: 03/27/2002 13:25	QC-Batch: 2002/04/05-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 19:28	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 19:28	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 19:28	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 19:28	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 19:28	
Surrogate(s)						
4-Bromofluorobenzene	104.0	74-121	%	1.00	04/05/2002 19:28	
1,2-Dichloroethane-d4	108.8	70-121	%	1.00	04/05/2002 19:28	
Toluene-d8	114.0	81-117	%	1.00	04/05/2002 19:28	

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-20-7.0-7.5	Lab Sample ID: 2002-03-0553-018
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 19:54
Sampled: 03/27/2002 14:10	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 19:54	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 19:54	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 19:54	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 19:54	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 19:54	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 19:54	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 19:54	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 19:54	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 19:54	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 19:54	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 19:54	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 19:54	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	

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-20-7.0-7.5	Lab Sample ID: 2002-03-0553-018
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 19:54
Sampled: 03/27/2002 14:10	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 19:54	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 19:54	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 19:54	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 19:54	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 19:54	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 19:54	
Surrogate(s)						
4-Bromofluorobenzene	99.1	74-121	%	1.00	04/05/2002 19:54	
1,2-Dichloroethane-d4	119.2	70-121	%	1.00	04/05/2002 19:54	
Toluene-d8	114.5	81-117	%	1.00	04/05/2002 19:54	

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-3-4.5-5.0	Lab Sample ID: 2002-03-0553-020
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 20:20
Sampled: 03/27/2002 13:35	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 20:20	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 20:20	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 20:20	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 20:20	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 20:20	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 20:20	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 20:20	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 20:20	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 20:20	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 20:20	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 20:20	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 20:20	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	

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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Sample ID: MFC-3-4.6-5.0	Lab Sample ID: 2002-03-0553-020
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 20:20
Sampled: 03/27/2002 13:35	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 20:20	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 20:20	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 20:20	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 20:20	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 20:20	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 20:20	
Surrogate(s)						
4-Bromofluorobenzene	105.8	74-121	%	1.00	04/05/2002 20:20	
1,2-Dichloroethane-d4	112.0	70-121	%	1.00	04/05/2002 20:20	
Toluene-d8	116.3	81-117	%	1.00	04/05/2002 20:20	

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-3-7.5-8.0	Lab Sample ID: 2002-03-0553-021
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 20:45
Sampled: 03/27/2002 13:40	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 20:45	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 20:45	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 20:45	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 20:45	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 20:45	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 20:45	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 20:45	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 20:45	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 20:45	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 20:45	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 20:45	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 20:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	

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-3-7.5-8.0	Lab Sample ID: 2002-03-0553-021
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 20:45
Sampled: 03/27/2002 13:40	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 20:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 20:45	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 20:45	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 20:45	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 20:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 20:45	
Surrogate(s)						
4-Bromofluorobenzene	115.6	74-121	%	1.00	04/05/2002 20:45	
1,2-Dichloroethane-d4	112.3	70-121	%	1.00	04/05/2002 20:45	
Toluene-d8	115.2	81-117	%	1.00	04/05/2002 20:45	

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-10-5.0-5.5	Lab Sample ID: 2002-03-0553-023
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 21:11
Sampled: 03/27/2002 14:25	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 21:11	
Acetone	ND	50	ug/Kg	1.00	04/05/2002 21:11	
Benzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Bromochloromethane	ND	20	ug/Kg	1.00	04/05/2002 21:11	
Bromoform	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Bromomethane	ND	10	ug/Kg	1.00	04/05/2002 21:11	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/05/2002 21:11	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Chloroethane	ND	10	ug/Kg	1.00	04/05/2002 21:11	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/05/2002 21:11	
Chloroform	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Chloromethane	ND	10	ug/Kg	1.00	04/05/2002 21:11	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/05/2002 21:11	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/05/2002 21:11	
Dibromomethane	ND	10	ug/Kg	1.00	04/05/2002 21:11	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/05/2002 21:11	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	

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-10-5.0-5.5	Lab Sample ID: 2002-03-0553-023
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 21:11
Sampled: 03/27/2002 14:25	QC-Batch: 2002/04/05-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
2-Hexanone	ND	50	ug/Kg	1.00	04/05/2002 21:11	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/05/2002 21:11	
Naphthalene	ND	10	ug/Kg	1.00	04/05/2002 21:11	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Styrene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Toluene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Vinyl acetate	ND	50	ug/Kg	1.00	04/05/2002 21:11	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Total xylenes	ND	5.0	ug/Kg	1.00	04/05/2002 21:11	
Surrogate(s)						
4-Bromofluorobenzene	107.6	74-121	%	1.00	04/05/2002 21:11	
1,2-Dichloroethane-d4	108.3	70-121	%	1.00	04/05/2002 21:11	
Toluene-d8	113.1	81-117	%	1.00	04/05/2002 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-2-4.5-5.0	Lab Sample ID: 2002-03-0553-025
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 16:57
Sampled: 03/27/2002	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Acetone	ND	50	ug/Kg	1.00	04/08/2002 16:57	
Benzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Bromochloromethane	ND	20	ug/Kg	1.00	04/08/2002 16:57	
Bromoform	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Bromomethane	ND	10	ug/Kg	1.00	04/08/2002 16:57	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/08/2002 16:57	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Chloroethane	ND	10	ug/Kg	1.00	04/08/2002 16:57	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/08/2002 16:57	
Chloroform	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Chloromethane	ND	10	ug/Kg	1.00	04/08/2002 16:57	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/08/2002 16:57	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/08/2002 16:57	
Dibromomethane	ND	10	ug/Kg	1.00	04/08/2002 16:57	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/08/2002 16:57	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	

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-2-4.5-5.0	Lab Sample ID: 2002-03-0553-025
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 16:57
Sampled: 03/27/2002	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
2-Hexanone	ND	50	ug/Kg	1.00	04/08/2002 16:57	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/08/2002 16:57	
Naphthalene	ND	10	ug/Kg	1.00	04/08/2002 16:57	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Styrene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Toluene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Vinyl acetate	ND	50	ug/Kg	1.00	04/08/2002 16:57	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Total xylenes	ND	5.0	ug/Kg	1.00	04/08/2002 16:57	
Surrogate(s)						
4-Bromofluorobenzene	108.2	74-121	%	1.00	04/08/2002 16:57	
1,2-Dichloroethane-d4	116.1	70-121	%	1.00	04/08/2002 16:57	
Toluene-d8	115.2	81-117	%	1.00	04/08/2002 16:57	

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-2-5.5-6.0	Lab Sample ID: 2002-03-0553-027
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 11:17
Sampled: 03/27/2002 13:00	QC-Batch: 2002/04/09-01.09
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Acetone	ND	50	ug/Kg	1.00	04/09/2002 11:17	
Benzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Bromochloromethane	ND	20	ug/Kg	1.00	04/09/2002 11:17	
Bromoform	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Bromomethane	ND	10	ug/Kg	1.00	04/09/2002 11:17	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/09/2002 11:17	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Chloroethane	ND	10	ug/Kg	1.00	04/09/2002 11:17	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/09/2002 11:17	
Chloroform	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Chloromethane	ND	10	ug/Kg	1.00	04/09/2002 11:17	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/09/2002 11:17	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/09/2002 11:17	
Dibromomethane	ND	10	ug/Kg	1.00	04/09/2002 11:17	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/09/2002 11:17	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	

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-2-5.5-6.0	Lab Sample ID: 2002-03-0553-027
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 11:17
Sampled: 03/27/2002 13:00	QC-Batch: 2002/04/09-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
2-Hexanone	ND	50	ug/Kg	1.00	04/09/2002 11:17	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/09/2002 11:17	
Naphthalene	ND	10	ug/Kg	1.00	04/09/2002 11:17	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Styrene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Toluene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Vinyl acetate	ND	50	ug/Kg	1.00	04/09/2002 11:17	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Total xylenes	ND	5.0	ug/Kg	1.00	04/09/2002 11:17	
Surrogate(s)						
4-Bromofluorobenzene	110.7	74-121	%	1.00	04/09/2002 11:17	
1,2-Dichloroethane-d4	113.1	70-121	%	1.00	04/09/2002 11:17	
Toluene-d8	114.2	81-117	%	1.00	04/09/2002 11:17	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

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CA DHS ELAP#1094

Sample ID: MFC-11-4.0-4.5	Lab Sample ID: 2002-03-0553-028
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 11:53
Sampled: 03/27/2002 10:13	QC-Batch: 2002/04/09-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Acetone	ND	50	ug/Kg	1.00	04/09/2002 11:53	
Benzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Bromochloromethane	ND	20	ug/Kg	1.00	04/09/2002 11:53	
Bromoform	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Bromomethane	ND	10	ug/Kg	1.00	04/09/2002 11:53	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/09/2002 11:53	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Chloroethane	ND	10	ug/Kg	1.00	04/09/2002 11:53	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/09/2002 11:53	
Chloroform	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Chloromethane	ND	10	ug/Kg	1.00	04/09/2002 11:53	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/09/2002 11:53	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/09/2002 11:53	
Dibromomethane	ND	10	ug/Kg	1.00	04/09/2002 11:53	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/09/2002 11:53	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

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CA DHS ELAP#1094

Sample ID: MFC-11-4.0-4.5	Lab Sample ID: 2002-03-0553-028
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 11:53
Sampled: 03/27/2002 10:13	QC-Batch: 2002/04/09-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
2-Hexanone	ND	50	ug/Kg	1.00	04/09/2002 11:53	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
p-isopropyltoluene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/09/2002 11:53	
Naphthalene	ND	10	ug/Kg	1.00	04/09/2002 11:53	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Styrene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Toluene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Vinyl acetate	ND	50	ug/Kg	1.00	04/09/2002 11:53	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Total xylenes	ND	5.0	ug/Kg	1.00	04/09/2002 11:53	
Surrogate(s)						
4-Bromofluorobenzene	105.3	74-121	%	1.00	04/09/2002 11:53	
1,2-Dichloroethane-d4	109.6	70-121	%	1.00	04/09/2002 11:53	
Toluene-d8	108.8	81-117	%	1.00	04/09/2002 11:53	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

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Test Method: 8260B

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CA DHS ELAP#1094

Sample ID: MFC-1-2.0-2.5	Lab Sample ID: 2002-03-0553-031
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 18:16
Sampled: 03/27/2002 10:42	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Acetone	ND	50	ug/Kg	1.00	04/08/2002 18:16	
Benzene	7.6	5.0	ug/Kg	1.00	04/08/2002 18:16	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Bromochloromethane	ND	20	ug/Kg	1.00	04/08/2002 18:16	
Bromoform	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Bromomethane	ND	10	ug/Kg	1.00	04/08/2002 18:16	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/08/2002 18:16	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Chlorobenzene	7.8	5.0	ug/Kg	1.00	04/08/2002 18:16	
Chloroethane	ND	10	ug/Kg	1.00	04/08/2002 18:16	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/08/2002 18:16	
Chloroform	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Chloromethane	ND	10	ug/Kg	1.00	04/08/2002 18:16	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/08/2002 18:16	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/08/2002 18:16	
Dibromomethane	ND	10	ug/Kg	1.00	04/08/2002 18:16	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/08/2002 18:16	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,1-Dichloroethene	8.1	5.0	ug/Kg	1.00	04/08/2002 18:16	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental
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Test Method: 8260B
Prep Method: 5035

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Sample ID: MFC-1-2.0-2.5	Lab Sample ID: 2002-03-0553-031
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 18:16
Sampled: 03/27/2002 10:42	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
2-Hexanone	ND	50	ug/Kg	1.00	04/08/2002 18:16	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/08/2002 18:16	
Naphthalene	ND	10	ug/Kg	1.00	04/08/2002 18:16	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Styrene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Toluene	8.2	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Trichloroethene	7.9	5.0	ug/Kg	1.00	04/08/2002 18:16	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Vinyl acetate	ND	50	ug/Kg	1.00	04/08/2002 18:16	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Total xylenes	ND	5.0	ug/Kg	1.00	04/08/2002 18:16	
Surrogate(s)						
4-Bromofluorobenzene	109.3	74-121	%	1.00	04/08/2002 18:16	
1,2-Dichloroethane-d4	115.5	70-121	%	1.00	04/08/2002 18:16	
Toluene-d8	109.1	81-117	%	1.00	04/08/2002 18:16	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

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Test Method: 8260B

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CA DHS ELAP#1094

Sample ID: MFC-1-4.0-4.5	Lab Sample ID: 2002-03-0553-032
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 12:19
Sampled: 03/27/2002 10:46	QC-Batch: 2002/04/09-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Acetone	210	50	ug/Kg	1.00	04/09/2002 12:19	
Benzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Bromochloromethane	ND	20	ug/Kg	1.00	04/09/2002 12:19	
Bromoform	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Bromomethane	ND	10	ug/Kg	1.00	04/09/2002 12:19	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/09/2002 12:19	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Chloroethane	ND	10	ug/Kg	1.00	04/09/2002 12:19	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/09/2002 12:19	
Chloroform	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Chloromethane	ND	10	ug/Kg	1.00	04/09/2002 12:19	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/09/2002 12:19	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/09/2002 12:19	
Dibromomethane	ND	10	ug/Kg	1.00	04/09/2002 12:19	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/09/2002 12:19	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	

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-1-4.0-4.5	Lab Sample ID: 2002-03-0553-032
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 12:19
Sampled: 03/27/2002 10:46	QC-Batch: 2002/04/09-01.09
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	04/09/2002 12:19	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
2-Hexanone	ND	50	ug/Kg	1.00	04/09/2002 12:19	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/09/2002 12:19	
Naphthalene	ND	10	ug/Kg	1.00	04/09/2002 12:19	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Styrene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Toluene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Vinyl acetate	ND	50	ug/Kg	1.00	04/09/2002 12:19	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Total xylenes	ND	5.0	ug/Kg	1.00	04/09/2002 12:19	
Surrogate(s)						
4-Bromofluorobenzene	104.8	74-121	%	1.00	04/09/2002 12:19	
1,2-Dichloroethane-d4	118.3	70-121	%	1.00	04/09/2002 12:19	
Toluene-d8	109.6	81-117	%	1.00	04/09/2002 12:19	

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-4-8.5-9.0	Lab Sample ID: 2002-03-0553-035
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 12:44
Sampled: 03/26/2002 17:08	QC-Batch: 2002/04/09-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Acetone	ND	50	ug/Kg	1.00	04/09/2002 12:44	
Benzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Bromochloromethane	ND	20	ug/Kg	1.00	04/09/2002 12:44	
Bromoform	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Bromomethane	ND	10	ug/Kg	1.00	04/09/2002 12:44	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/09/2002 12:44	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Chloroethane	ND	10	ug/Kg	1.00	04/09/2002 12:44	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/09/2002 12:44	
Chloroform	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Chloromethane	ND	10	ug/Kg	1.00	04/09/2002 12:44	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/09/2002 12:44	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/09/2002 12:44	
Dibromomethane	ND	10	ug/Kg	1.00	04/09/2002 12:44	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/09/2002 12:44	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	

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-4-8.5-9.0	Lab Sample ID: 2002-03-0553-035
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 12:44
Sampled: 03/26/2002 17:08	QC-Batch: 2002/04/09-01.09
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	04/09/2002 12:44	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
2-Hexanone	ND	50	ug/Kg	1.00	04/09/2002 12:44	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/09/2002 12:44	
Naphthalene	ND	10	ug/Kg	1.00	04/09/2002 12:44	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Styrene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Toluene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Vinyl acetate	ND	50	ug/Kg	1.00	04/09/2002 12:44	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Total xylenes	ND	5.0	ug/Kg	1.00	04/09/2002 12:44	
Surrogate(s)						
4-Bromofluorobenzene	112.8	74-121	%	1.00	04/09/2002 12:44	
1,2-Dichloroethane-d4	117.9	70-121	%	1.00	04/09/2002 12:44	
Toluene-d8	115.5	81-117	%	1.00	04/09/2002 12:44	

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-4-11.0-11.5	Lab Sample ID: 2002-03-0553-036
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 19:34
Sampled: 03/26/2002 17:20	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Acetone	ND	50	ug/Kg	1.00	04/08/2002 19:34	
Benzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Bromochloromethane	ND	20	ug/Kg	1.00	04/08/2002 19:34	
Bromoform	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Bromomethane	ND	10	ug/Kg	1.00	04/08/2002 19:34	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/08/2002 19:34	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Chloroethane	ND	10	ug/Kg	1.00	04/08/2002 19:34	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/08/2002 19:34	
Chloroform	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Chloromethane	ND	10	ug/Kg	1.00	04/08/2002 19:34	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/08/2002 19:34	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/08/2002 19:34	
Dibromomethane	ND	10	ug/Kg	1.00	04/08/2002 19:34	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/08/2002 19:34	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	

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-4-11.0-11.5**
Project: 01-201-A
Port of Oakland 7th St.
Site: Port of Oakland
Sampled: 03/26/2002 17:20
Matrix: SoilLab Sample ID: 2002-03-0553-036
Received: 03/27/2002 18:20
Extracted: 04/08/2002 19:34
QC-Batch: 2002/04/08-01.09Tel 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	04/08/2002 19:34	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
2-Hexanone	ND	50	ug/Kg	1.00	04/08/2002 19:34	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/08/2002 19:34	
Naphthalene	ND	10	ug/Kg	1.00	04/08/2002 19:34	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Styrene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Toluene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Vinyl acetate	ND	50	ug/Kg	1.00	04/08/2002 19:34	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Total xylenes	ND	5.0	ug/Kg	1.00	04/08/2002 19:34	
Surrogate(s)						
4-Bromofluorobenzene	112.9	74-121	%	1.00	04/08/2002 19:34	
1,2-Dichloroethane-d4	131.6	70-121	%	1.00	04/08/2002 19:34	sh
Toluene-d8	111.9	81-117	%	1.00	04/08/2002 19:34	

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-12-4.0-4.5	Lab Sample ID: 2002-03-0553-038
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 20:25
Sampled: 03/26/2002 09:13	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Acetone	ND	50	ug/Kg	1.00	04/08/2002 20:25	
Benzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Bromochloromethane	ND	20	ug/Kg	1.00	04/08/2002 20:25	
Bromoform	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Bromomethane	ND	10	ug/Kg	1.00	04/08/2002 20:25	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/08/2002 20:25	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Chloroethane	ND	10	ug/Kg	1.00	04/08/2002 20:25	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/08/2002 20:25	
Chloroform	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Chloromethane	ND	10	ug/Kg	1.00	04/08/2002 20:25	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/08/2002 20:25	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/08/2002 20:25	
Dibromomethane	ND	10	ug/Kg	1.00	04/08/2002 20:25	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/08/2002 20:25	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	

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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Sample ID: MFC-12-4.0-4.5	Lab Sample ID: 2002-03-0553-038
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 20:25
Sampled: 03/26/2002 09:13	QC-Batch: 2002/04/08-01.09
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	04/08/2002 20:25	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
2-Hexanone	ND	50	ug/Kg	1.00	04/08/2002 20:25	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/08/2002 20:25	
Naphthalene	15	10	ug/Kg	1.00	04/08/2002 20:25	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Styrene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Toluene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Vinyl acetate	ND	50	ug/Kg	1.00	04/08/2002 20:25	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Total xylenes	ND	5.0	ug/Kg	1.00	04/08/2002 20:25	
Surrogate(s)						
4-Bromofluorobenzene	105.3	74-121	%	1.00	04/08/2002 20:25	
1,2-Dichloroethane-d4	126.2	70-121	%	1.00	04/08/2002 20:25	sh
Toluene-d8	113.0	81-117	%	1.00	04/08/2002 20:25	

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-13-3.0-3.5	Lab Sample ID: 2002-03-0553-040
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 20:51
Sampled: 03/27/2002 08:17	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Acetone	ND	50	ug/Kg	1.00	04/08/2002 20:51	
Benzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Bromochloromethane	ND	20	ug/Kg	1.00	04/08/2002 20:51	
Bromoform	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Bromomethane	ND	10	ug/Kg	1.00	04/08/2002 20:51	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/08/2002 20:51	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Chloroethane	ND	10	ug/Kg	1.00	04/08/2002 20:51	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/08/2002 20:51	
Chloroform	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Chloromethane	ND	10	ug/Kg	1.00	04/08/2002 20:51	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/08/2002 20:51	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/08/2002 20:51	
Dibromomethane	ND	10	ug/Kg	1.00	04/08/2002 20:51	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/08/2002 20:51	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	

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-13-3.0-3.5	Lab Sample ID: 2002-03-0553-040
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 20:51
Sampled: 03/27/2002 08:17	QC-Batch: 2002/04/08-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
2-Hexanone	ND	50	ug/Kg	1.00	04/08/2002 20:51	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/08/2002 20:51	
Naphthalene	ND	10	ug/Kg	1.00	04/08/2002 20:51	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Styrene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Toluene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Vinyl acetate	ND	50	ug/Kg	1.00	04/08/2002 20:51	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Total xylenes	ND	5.0	ug/Kg	1.00	04/08/2002 20:51	
Surrogate(s)						
4-Bromofluorobenzene	103.8	74-121	%	1.00	04/08/2002 20:51	
1,2-Dichloroethane-d4	115.1	70-121	%	1.00	04/08/2002 20:51	
Toluene-d8	114.3	81-117	%	1.00	04/08/2002 20:51	

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 # 2002/04/05-01.09

MB: 2002/04/05-01.09-005

Date Extracted: 04/05/2002 11:34

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/05/2002 11:34	
Acetone	ND	50	ug/Kg	04/05/2002 11:34	
Benzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Bromodichloromethane	ND	5.0	ug/Kg	04/05/2002 11:34	
Bromobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Bromochloromethane	ND	20	ug/Kg	04/05/2002 11:34	
Bromoform	ND	5.0	ug/Kg	04/05/2002 11:34	
Bromomethane	ND	10	ug/Kg	04/05/2002 11:34	
2-Butanone(MEK)	ND	50	ug/Kg	04/05/2002 11:34	
n-Butylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
sec-Butylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
tert-Butylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Carbon disulfide	ND	5.0	ug/Kg	04/05/2002 11:34	
Carbon tetrachloride	ND	5.0	ug/Kg	04/05/2002 11:34	
Chlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Chloroethane	ND	10	ug/Kg	04/05/2002 11:34	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/05/2002 11:34	
Chloroform	ND	5.0	ug/Kg	04/05/2002 11:34	
Chloromethane	ND	10	ug/Kg	04/05/2002 11:34	
2-Chlorotoluene	ND	5.0	ug/Kg	04/05/2002 11:34	
4-Chlorotoluene	ND	5.0	ug/Kg	04/05/2002 11:34	
Dibromochloromethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/05/2002 11:34	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1-Dichloropropene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/05/2002 11:34	
1,2-Dibromoethane	ND	10	ug/Kg	04/05/2002 11:34	
Dibromomethane	ND	10	ug/Kg	04/05/2002 11:34	
Dichlorodifluoromethane	ND	10	ug/Kg	04/05/2002 11:34	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/05/2002 11:34	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/05/2002 11:34	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/05/2002 11:34	
Ethylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	

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 # 2002/04/05-01.09

MB: 2002/04/05-01.09-005

Date Extracted: 04/05/2002 11:34

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/05/2002 11:34	
2-Hexanone	ND	50	ug/Kg	04/05/2002 11:34	
Isopropylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/05/2002 11:34	
Methylene chloride	ND	5.0	ug/Kg	04/05/2002 11:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/05/2002 11:34	
Naphthalene	ND	10	ug/Kg	04/05/2002 11:34	
n-Propylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Styrene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
Tetrachloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
Toluene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
Trichloroethene	ND	5.0	ug/Kg	04/05/2002 11:34	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/05/2002 11:34	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/05/2002 11:34	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/05/2002 11:34	
Vinyl acetate	ND	50	ug/Kg	04/05/2002 11:34	
Vinyl chloride	ND	5.0	ug/Kg	04/05/2002 11:34	
Total xylenes	ND	5.0	ug/Kg	04/05/2002 11:34	
Surrogate(s)					
4-Bromofluorobenzene	107.3	74-121	%	04/05/2002 11:34	
1,2-Dichloroethane-d4	109.3	70-121	%	04/05/2002 11:34	
Toluene-d8	110.6	81-117	%	04/05/2002 11:34	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

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CA DHS ELAP#1094

Method Blank

Soil

QC Batch # 2002/04/08-01.09

MB: 2002/04/08-01.09-026

Date Extracted: 04/08/2002 14:01

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/08/2002 14:01	
Acetone	ND	50	ug/Kg	04/08/2002 14:01	
Benzene	ND	5.0	ug/Kg	04/08/2002 14:01	
Bromodichloromethane	ND	5.0	ug/Kg	04/08/2002 14:01	
Bromobenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
Bromochloromethane	ND	20	ug/Kg	04/08/2002 14:01	
Bromoform	ND	5.0	ug/Kg	04/08/2002 14:01	
Bromomethane	ND	10	ug/Kg	04/08/2002 14:01	
2-Butanone(MEK)	ND	50	ug/Kg	04/08/2002 14:01	
n-Butylbenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
sec-Butylbenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
tert-Butylbenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
Carbon disulfide	ND	5.0	ug/Kg	04/08/2002 14:01	
Carbon tetrachloride	ND	5.0	ug/Kg	04/08/2002 14:01	
Chlorobenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
Chloroethane	ND	10	ug/Kg	04/08/2002 14:01	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/08/2002 14:01	
Chloroform	ND	5.0	ug/Kg	04/08/2002 14:01	
Chloromethane	ND	10	ug/Kg	04/08/2002 14:01	
2-Chlorotoluene	ND	5.0	ug/Kg	04/08/2002 14:01	
4-Chlorotoluene	ND	5.0	ug/Kg	04/08/2002 14:01	
Dibromochloromethane	ND	5.0	ug/Kg	04/08/2002 14:01	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/08/2002 14:01	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/08/2002 14:01	
1,1-Dichloropropene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/08/2002 14:01	
1,2-Dibromoethane	ND	10	ug/Kg	04/08/2002 14:01	
Dibromomethane	ND	10	ug/Kg	04/08/2002 14:01	
Dichlorodifluoromethane	ND	10	ug/Kg	04/08/2002 14:01	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/08/2002 14:01	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/08/2002 14:01	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/08/2002 14:01	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/08/2002 14:01	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/08/2002 14:01	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/08/2002 14:01	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/08/2002 14:01	
Ethylbenzene	ND	5.0	ug/Kg	04/08/2002 14:01	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

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1220 Quarry Lane
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Method Blank

Soil

QC Batch # 2002/04/08-01.09

MB: 2002/04/08-01.09-026

Date Extracted: 04/08/2002 14:01

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/08/2002 14:01	
2-Hexanone	ND	50	ug/Kg	04/08/2002 14:01	
Isopropylbenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/08/2002 14:01	
Methylene chloride	ND	5.0	ug/Kg	04/08/2002 14:01	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/08/2002 14:01	
Naphthalene	ND	10	ug/Kg	04/08/2002 14:01	
n-Propylbenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
Styrene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/08/2002 14:01	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/08/2002 14:01	
Tetrachloroethene	ND	5.0	ug/Kg	04/08/2002 14:01	
Toluene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/08/2002 14:01	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/08/2002 14:01	
Trichloroethene	ND	5.0	ug/Kg	04/08/2002 14:01	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/08/2002 14:01	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/08/2002 14:01	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/08/2002 14:01	
Vinyl acetate	ND	50	ug/Kg	04/08/2002 14:01	
Vinyl chloride	ND	5.0	ug/Kg	04/08/2002 14:01	
Total xylenes	ND	5.0	ug/Kg	04/08/2002 14:01	
Surrogate(s)					
4-Bromofluorobenzene	109.8	74-121	%	04/08/2002 14:01	
1,2-Dichloroethane-d4	105.9	70-121	%	04/08/2002 14:01	
Toluene-d8	116.7	81-117	%	04/08/2002 14:01	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

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CA DHS ELAP#1094

Test Method: 8260B

Prep Method: 5035

Method Blank	Soil	QC Batch # 2002/04/09-01.09
MB: 2002/04/09-01.09-004		Date Extracted: 04/09/2002 10:50

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/09/2002 10:50	
Acetone	ND	50	ug/Kg	04/09/2002 10:50	
Benzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Bromodichloromethane	ND	5.0	ug/Kg	04/09/2002 10:50	
Bromobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Bromochloromethane	ND	20	ug/Kg	04/09/2002 10:50	
Bromoform	ND	5.0	ug/Kg	04/09/2002 10:50	
Bromomethane	ND	10	ug/Kg	04/09/2002 10:50	
2-Butanone(MEK)	ND	50	ug/Kg	04/09/2002 10:50	
n-Butylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
sec-Butylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
tert-Butylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Carbon disulfide	ND	5.0	ug/Kg	04/09/2002 10:50	
Carbon tetrachloride	ND	5.0	ug/Kg	04/09/2002 10:50	
Chlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Chloroethane	ND	10	ug/Kg	04/09/2002 10:50	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/09/2002 10:50	
Chloroform	ND	5.0	ug/Kg	04/09/2002 10:50	
Chloromethane	ND	10	ug/Kg	04/09/2002 10:50	
2-Chlorotoluene	ND	5.0	ug/Kg	04/09/2002 10:50	
4-Chlorotoluene	ND	5.0	ug/Kg	04/09/2002 10:50	
Dibromochloromethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/09/2002 10:50	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1-Dichloropropene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/09/2002 10:50	
1,2-Dibromoethane	ND	10	ug/Kg	04/09/2002 10:50	
Dibromomethane	ND	10	ug/Kg	04/09/2002 10:50	
Dichlorodifluoromethane	ND	10	ug/Kg	04/09/2002 10:50	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/09/2002 10:50	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/09/2002 10:50	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/09/2002 10:50	
Ethylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

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Method Blank

Soil

QC Batch # 2002/04/09-01.09

MB: 2002/04/09-01.09-004

Date Extracted: 04/09/2002 10:50

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/09/2002 10:50	
2-Hexanone	ND	50	ug/Kg	04/09/2002 10:50	
Isopropylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/09/2002 10:50	
Methylene chloride	ND	5.0	ug/Kg	04/09/2002 10:50	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/09/2002 10:50	
Naphthalene	ND	10	ug/Kg	04/09/2002 10:50	
n-Propylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Styrene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
Tetrachloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
Toluene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
Trichloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/09/2002 10:50	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Vinyl acetate	ND	50	ug/Kg	04/09/2002 10:50	
Vinyl chloride	ND	5.0	ug/Kg	04/09/2002 10:50	
Total xylenes	ND	5.0	ug/Kg	04/09/2002 10:50	
Surrogate(s)					
4-Bromofluorobenzene	107.8	74-121	%	04/09/2002 10:50	
1,2-Dichloroethane-d4	109.6	70-121	%	04/09/2002 10:50	
Toluene-d8	112.6	81-117	%	04/09/2002 10:50	

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 # 2002/04/05-01.09
 LCS: 2002/04/05-01.09-003 Extracted: 04/05/2002 10:34 Analyzed: 04/05/2002 10:34
 LCSD: 2002/04/05-01.09-004 Extracted: 04/05/2002 11:08 Analyzed: 04/05/2002 11:08

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery		RPD	Ctrl.Limits [%]			Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD	
Benzene	101	96.7	100.0	100.0	101.0	96.7	4.4	69-129	20			
Chlorobenzene	101	97.2	100.0	100.0	101.0	97.2	3.8	61-121	20			
1,1-Dichloroethene	96.0	100	100.0	100.0	96.0	100.0	4.1	65-125	20			
Toluene	100	99.3	100.0	100.0	100.0	99.3	0.7	70-130	20			
Trichloroethene	102	102	100.0	100.0	102.0	102.0	0.0	74-134	20			
Surrogate(s)												
4-Bromofluorobenzene	557	586	500	500	111.4	117.2		74-121				
1,2-Dichloroethane-d4	520	518	500	500	104.0	103.6		70-121				
Toluene-d8	559	554	500	500	111.8	110.8		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 # 2002/04/08-01.09
 LCS: 2002/04/08-01.09-005 Extracted: 04/08/2002 12:39 Analyzed: 04/08/2002 12:39
 LCSD: 2002/04/08-01.09-027 Extracted: 04/08/2002 14:36 Analyzed: 04/08/2002 14:36

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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	95.8	96.5	100.0	100.0	95.8	96.5	0.7	69-129	20		
Chlorobenzene	101	90.7	100.0	100.0	101.0	90.7	10.7	61-121	20		
1,1-Dichloroethene	94.0	93.5	100.0	100.0	94.0	93.5	0.5	65-125	20		
Toluene	104	101	100.0	100.0	104.0	101.0	2.9	70-130	20		
Trichloroethene	97.1	97.4	100.0	100.0	97.1	97.4	0.3	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	567	526	500	500	113.4	105.2		74-121			
1,2-Dichloroethane-d4	566	536	500	500	113.2	107.2		70-121			
Toluene-d8	573	555	500	500	114.6	111.0		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 # 2002/04/09-01.09
 LCS: 2002/04/09-01.09-002 Extracted: 04/09/2002 09:51 Analyzed: 04/09/2002 09:51
 LCSD: 2002/04/09-01.09-003 Extracted: 04/09/2002 10:24 Analyzed: 04/09/2002 10:24

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery		RPD	Ctrl.Limits [%]			Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		[%]	Recover	RPD	LCS	LCSD
Benzene	96.4	92.2	100.0	100.0	96.4	92.2	4.5	69-129	20			
Chlorobenzene	99.9	92.2	100.0	100.0	99.9	92.2	8.0	61-121	20			
1,1-Dichloroethene	97.4	91.2	100.0	100.0	97.4	91.2	6.6	65-125	20			
Toluene	102	90.6	100.0	100.0	102.0	90.6	11.8	70-130	20			
Trichloroethene	102	95.4	100.0	100.0	102.0	95.4	6.7	74-134	20			
Surrogate(s)												
4-Bromofluorobenzene	567	553	500	500	113.4	110.6		74-121				
1,2-Dichloroethane-d4	517	512	500	500	103.4	102.4		70-121				
Toluene-d8	573	544	500	500	114.6	108.8		81-117				

Volatile Organic Compounds by 8260B (Low Level)

Batch QC Report

Test Method: 8260B

Prep Method: 5035

Matrix Spike (MS / MSD)	Soil	QC Batch # 2002/04/05-01.09
Sample ID: MFC-26-5.0-5.5 >> MS		Lab ID: 2002-03-0553-006
MS: 2002/04/05-01.09-015	Extracted: 04/05/2002 16:02	Analyzed: 04/05/2002 16:02
		Dilution: 1
MSD: 2002/04/05-01.09-016	Extracted: 04/05/2002 16:28	Analyzed: 04/05/2002 16:28
		Dilution: 1

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Compound	Conc. [ug/Kg]			Exp.Conc.		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		[%]	Recovery	RPD	MS
Benzene	102	95.2	ND	99.2	98.6	102.	96.6	6.2	69-129	20		
Chlorobenzene	95.2	102	ND	99.2	98.6	96.0	103.4	7.4	61-121	20		
1,1-Dichloroethen	94.9	100	ND	99.2	98.6	95.7	101.4	5.8	65-125	20		
Toluene	103	99.7	ND	99.2	98.6	103.	101.1	2.6	70-130	20		
Trichloroethene	106	99.4	ND	99.2	98.6	106.	100.8	5.9	74-134	20		
Surrogate(s)												
4-Bromofluoroben	554	570		500	500	110.	114.0		74-121			
1,2-Dichloroethan	534	507		500	500	106.	101.3		70-121			
Toluene-d8	579	562		500	500	115.	112.4		81-117			

Submission #: 2002-03-0553

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: Port of Oakland 7th 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-5-GW	Water	03/27/2002	3
TB032702B	Water	03/27/2002 16:00	19
TB032702A	Water	03/27/2002 08:40	33
MFC-17-GW	Water	03/27/2002 17:00	34

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-5-GW	Lab Sample ID: 2002-03-0553-003
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 16:36
Sampled: 03/27/2002	QC-Batch: 2002/04/04-01.07
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	04/04/2002 16:36	
Acetone	ND	50	ug/L	1.00	04/04/2002 16:36	
Benzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Bromobenzene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
Bromochloromethane	ND	1.0	ug/L	1.00	04/04/2002 16:36	
Bromoform	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Bromomethane	ND	1.0	ug/L	1.00	04/04/2002 16:36	
2-Butanone(MEK)	ND	50	ug/L	1.00	04/04/2002 16:36	
n-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
sec-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
tert-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
Carbon disulfide	ND	5.0	ug/L	1.00	04/04/2002 16:36	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Chlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Chloroethane	ND	1.0	ug/L	1.00	04/04/2002 16:36	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	04/04/2002 16:36	
Chloroform	ND	1.0	ug/L	1.00	04/04/2002 16:36	
Chloromethane	ND	1.0	ug/L	1.00	04/04/2002 16:36	
2-Chlorotoluene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
4-Chlorotoluene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	04/04/2002 16:36	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	04/04/2002 16:36	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Dibromomethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/04/2002 16:36	

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-5-GW	Lab Sample ID: 2002-03-0553-003
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 16:36
Sampled: 03/27/2002	QC-Batch: 2002/04/04-01.07
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Ethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
2-Hexanone	ND	50	ug/L	1.00	04/04/2002 16:36	
Isopropylbenzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
Methylene chloride	ND	5.0	ug/L	1.00	04/04/2002 16:36	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	04/04/2002 16:36	
Naphthalene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
n-Propylbenzene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
Styrene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Toluene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 16:36	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Trichloroethene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	04/04/2002 16:36	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Vinyl acetate	ND	25	ug/L	1.00	04/04/2002 16:36	
Vinyl chloride	ND	0.50	ug/L	1.00	04/04/2002 16:36	
Total xylenes	ND	1.0	ug/L	1.00	04/04/2002 16:36	
Surrogate(s)						
4-Bromofluorobenzene	102.4	86-115	%	1.00	04/04/2002 16:36	
1,2-Dichloroethane-d4	97.2	76-114	%	1.00	04/04/2002 16:36	
Toluene-d8	97.5	88-110	%	1.00	04/04/2002 16:36	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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Sample ID: TB032702B	Lab Sample ID: 2002-03-0553-019
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 20:23
Sampled: 03/27/2002 16:00	QC-Batch: 2002/04/04-01.60
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	04/04/2002 20:23	
Acetone	ND	50	ug/L	1.00	04/04/2002 20:23	
Benzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Bromobenzene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
Bromochloromethane	ND	1.0	ug/L	1.00	04/04/2002 20:23	
Bromoform	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Bromomethane	ND	1.0	ug/L	1.00	04/04/2002 20:23	
2-Butanone(MEK)	ND	50	ug/L	1.00	04/04/2002 20:23	
n-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
sec-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
tert-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
Carbon disulfide	ND	5.0	ug/L	1.00	04/04/2002 20:23	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Chlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Chloroethane	ND	1.0	ug/L	1.00	04/04/2002 20:23	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	04/04/2002 20:23	
Chloroform	ND	1.0	ug/L	1.00	04/04/2002 20:23	
Chloromethane	ND	1.0	ug/L	1.00	04/04/2002 20:23	
2-Chlorotoluene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
4-Chlorotoluene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	04/04/2002 20:23	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	04/04/2002 20:23	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Dibromomethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/04/2002 20:23	

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: TB032702B	Lab Sample ID: 2002-03-0553-019
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 20:23
Sampled: 03/27/2002 16:00	QC-Batch: 2002/04/04-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Ethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
2-Hexanone	ND	50	ug/L	1.00	04/04/2002 20:23	
Isopropylbenzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
Methylene chloride	ND	5.0	ug/L	1.00	04/04/2002 20:23	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	04/04/2002 20:23	
Naphthalene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
n-Propylbenzene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
Styrene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Toluene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 20:23	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Trichloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	04/04/2002 20:23	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Vinyl acetate	ND	25	ug/L	1.00	04/04/2002 20:23	
Vinyl chloride	ND	0.50	ug/L	1.00	04/04/2002 20:23	
Total xylenes	ND	1.0	ug/L	1.00	04/04/2002 20:23	
Surrogate(s)						
4-Bromofluorobenzene	94.3	86-115	%	1.00	04/04/2002 20:23	
1,2-Dichloroethane-d4	96.2	76-114	%	1.00	04/04/2002 20:23	
Toluene-d8	99.6	88-110	%	1.00	04/04/2002 20:23	

Volatile Organic Compounds by 8260B (Low Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5030B

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Sample ID: TB032702A	Lab Sample ID: 2002-03-0553-033
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 20:57
Sampled: 03/27/2002 08:40	QC-Batch: 2002/04/04-01.60
Matrix: Water	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	04/04/2002 20:57	
Acetone	ND	50	ug/L	1.00	04/04/2002 20:57	
Benzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Bromobenzene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
Bromochloromethane	ND	1.0	ug/L	1.00	04/04/2002 20:57	
Bromoform	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Bromomethane	ND	1.0	ug/L	1.00	04/04/2002 20:57	
2-Butanone(MEK)	ND	50	ug/L	1.00	04/04/2002 20:57	
n-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
sec-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
tert-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
Carbon disulfide	ND	5.0	ug/L	1.00	04/04/2002 20:57	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Chlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Chloroethane	ND	1.0	ug/L	1.00	04/04/2002 20:57	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	04/04/2002 20:57	
Chloroform	ND	1.0	ug/L	1.00	04/04/2002 20:57	
Chloromethane	ND	1.0	ug/L	1.00	04/04/2002 20:57	
2-Chlorotoluene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
4-Chlorotoluene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	04/04/2002 20:57	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	04/04/2002 20:57	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Dibromomethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/04/2002 20:57	

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: TB032702A	Lab Sample ID: 2002-03-0553-033
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 20:57
Sampled: 03/27/2002 08:40	QC-Batch: 2002/04/04-01.60
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Ethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
2-Hexanone	ND	50	ug/L	1.00	04/04/2002 20:57	
Isopropylbenzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
Methylene chloride	ND	5.0	ug/L	1.00	04/04/2002 20:57	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	04/04/2002 20:57	
Naphthalene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
n-Propylbenzene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
Styrene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Toluene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 20:57	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Trichloroethene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	04/04/2002 20:57	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Vinyl acetate	ND	25	ug/L	1.00	04/04/2002 20:57	
Vinyl chloride	ND	0.50	ug/L	1.00	04/04/2002 20:57	
Total xylenes	ND	1.0	ug/L	1.00	04/04/2002 20:57	
Surrogate(s)						
4-Bromofluorobenzene	97.9	86-115	%	1.00	04/04/2002 20:57	
1,2-Dichloroethane-d4	98.2	76-114	%	1.00	04/04/2002 20:57	
Toluene-d8	94.4	88-110	%	1.00	04/04/2002 20:57	

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-17-GW	Lab Sample ID: 2002-03-0553-034
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 17:00
Sampled: 03/27/2002 17:00	QC-Batch: 2002/04/04-01.07
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	04/04/2002 17:00	
Acetone	ND	50	ug/L	1.00	04/04/2002 17:00	
Benzene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Bromobenzene	ND	1.0	ug/L	1.00	04/04/2002 17:00	
Bromochloromethane	ND	1.0	ug/L	1.00	04/04/2002 17:00	
Bromoform	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Bromomethane	ND	1.0	ug/L	1.00	04/04/2002 17:00	
2-Butanone(MEK)	ND	50	ug/L	1.00	04/04/2002 17:00	
n-Butylbenzene	1.8	1.0	ug/L	1.00	04/04/2002 17:00	
sec-Butylbenzene	1.3	1.0	ug/L	1.00	04/04/2002 17:00	
tert-Butylbenzene	ND	1.0	ug/L	1.00	04/04/2002 17:00	
Carbon disulfide	ND	5.0	ug/L	1.00	04/04/2002 17:00	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Chlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Chloroethane	ND	1.0	ug/L	1.00	04/04/2002 17:00	
2-Chloroethylvinyl ether	ND	5.0	ug/L	1.00	04/04/2002 17:00	
Chloroform	ND	1.0	ug/L	1.00	04/04/2002 17:00	
Chloromethane	ND	1.0	ug/L	1.00	04/04/2002 17:00	
2-Chlorotoluene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
4-Chlorotoluene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,3-Dichloropropane	ND	1.0	ug/L	1.00	04/04/2002 17:00	
2,2-Dichloropropane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,1-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1.00	04/04/2002 17:00	
1,2-Dibromoethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Dibromomethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Dichlorodifluoromethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/04/2002 17:00	

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-17-GW	Lab Sample ID: 2002-03-0553-034
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 17:00
Sampled: 03/27/2002 17:00	QC-Batch: 2002/04/04-01.07
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Ethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Hexachlorobutadiene	ND	1.0	ug/L	1.00	04/04/2002 17:00	
2-Hexanone	ND	50	ug/L	1.00	04/04/2002 17:00	
Isopropylbenzene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
p-Isopropyltoluene	ND	1.0	ug/L	1.00	04/04/2002 17:00	
Methylene chloride	ND	5.0	ug/L	1.00	04/04/2002 17:00	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	1.00	04/04/2002 17:00	
Naphthalene	6.0	1.0	ug/L	1.00	04/04/2002 17:00	
n-Propylbenzene	ND	1.0	ug/L	1.00	04/04/2002 17:00	
Styrene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Toluene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 17:00	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1.00	04/04/2002 17:00	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Trichloroethene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	04/04/2002 17:00	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	04/04/2002 17:00	
1,2,4-Trimethylbenzene	0.69	0.50	ug/L	1.00	04/04/2002 17:00	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Vinyl acetate	ND	25	ug/L	1.00	04/04/2002 17:00	
Vinyl chloride	ND	0.50	ug/L	1.00	04/04/2002 17:00	
Total xylenes	ND	1.0	ug/L	1.00	04/04/2002 17:00	
Surrogate(s)						
4-Bromofluorobenzene	104.9	86-115	%	1.00	04/04/2002 17:00	
1,2-Dichloroethane-d4	98.7	76-114	%	1.00	04/04/2002 17:00	
Toluene-d8	100.2	88-110	%	1.00	04/04/2002 17:00	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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Method Blank

Water

QC Batch # 2002/04/04-01.07

MB: 2002/04/04-01.07-005

Date Extracted: 04/04/2002 12:57

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	04/04/2002 12:57	
Acetone	ND	50	ug/L	04/04/2002 12:57	
Benzene	ND	0.5	ug/L	04/04/2002 12:57	
Bromodichloromethane	ND	0.5	ug/L	04/04/2002 12:57	
Bromobenzene	ND	1.0	ug/L	04/04/2002 12:57	
Bromochloromethane	ND	1.0	ug/L	04/04/2002 12:57	
Bromoform	ND	0.5	ug/L	04/04/2002 12:57	
Bromomethane	ND	1.0	ug/L	04/04/2002 12:57	
2-Butanone(MEK)	ND	50	ug/L	04/04/2002 12:57	
n-Butylbenzene	ND	1.0	ug/L	04/04/2002 12:57	
sec-Butylbenzene	ND	1.0	ug/L	04/04/2002 12:57	
tert-Butylbenzene	ND	1.0	ug/L	04/04/2002 12:57	
Carbon disulfide	ND	5.0	ug/L	04/04/2002 12:57	
Carbon tetrachloride	ND	0.5	ug/L	04/04/2002 12:57	
Chlorobenzene	ND	0.5	ug/L	04/04/2002 12:57	
Chloroethane	ND	1.0	ug/L	04/04/2002 12:57	
2-Chloroethylvinyl ether	ND	5.0	ug/L	04/04/2002 12:57	
Chloroform	ND	1.0	ug/L	04/04/2002 12:57	
Chloromethane	ND	1.0	ug/L	04/04/2002 12:57	
2-Chlorotoluene	ND	0.5	ug/L	04/04/2002 12:57	
4-Chlorotoluene	ND	0.5	ug/L	04/04/2002 12:57	
Dibromochloromethane	ND	0.5	ug/L	04/04/2002 12:57	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 12:57	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 12:57	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 12:57	
1,3-Dichloropropane	ND	1.0	ug/L	04/04/2002 12:57	
2,2-Dichloropropane	ND	0.5	ug/L	04/04/2002 12:57	
1,1-Dichloropropene	ND	0.5	ug/L	04/04/2002 12:57	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/04/2002 12:57	
1,2-Dibromoethane	ND	0.5	ug/L	04/04/2002 12:57	
Dibromomethane	ND	0.5	ug/L	04/04/2002 12:57	
Dichlorodifluoromethane	ND	0.5	ug/L	04/04/2002 12:57	
1,1-Dichloroethane	ND	0.5	ug/L	04/04/2002 12:57	
1,2-Dichloroethane	ND	0.5	ug/L	04/04/2002 12:57	
1,1-Dichloroethene	ND	0.5	ug/L	04/04/2002 12:57	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/04/2002 12:57	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/04/2002 12:57	
1,2-Dichloropropane	ND	0.5	ug/L	04/04/2002 12:57	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/04/2002 12:57	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/04/2002 12:57	
Ethylbenzene	ND	0.5	ug/L	04/04/2002 12:57	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

Method Blank

Water

QC Batch # 2002/04/04-01.07

MB: 2002/04/04-01.07-005

Date Extracted: 04/04/2002 12:57

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	04/04/2002 12:57	
2-Hexanone	ND	50	ug/L	04/04/2002 12:57	
Isopropylbenzene	ND	0.5	ug/L	04/04/2002 12:57	
p-Isopropyltoluene	ND	1.0	ug/L	04/04/2002 12:57	
Methylene chloride	ND	5.0	ug/L	04/04/2002 12:57	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	04/04/2002 12:57	
Naphthalene	ND	1.0	ug/L	04/04/2002 12:57	
n-Propylbenzene	ND	1.0	ug/L	04/04/2002 12:57	
Styrene	ND	0.5	ug/L	04/04/2002 12:57	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	04/04/2002 12:57	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/04/2002 12:57	
Tetrachloroethene	ND	0.5	ug/L	04/04/2002 12:57	
Toluene	ND	0.5	ug/L	04/04/2002 12:57	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/04/2002 12:57	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/04/2002 12:57	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/04/2002 12:57	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/04/2002 12:57	
Trichloroethene	ND	0.5	ug/L	04/04/2002 12:57	
Trichlorofluoromethane	ND	1.0	ug/L	04/04/2002 12:57	
Trichlorotrifluoroethane	ND	0.5	ug/L	04/04/2002 12:57	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	04/04/2002 12:57	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	04/04/2002 12:57	
Vinyl acetate	ND	25	ug/L	04/04/2002 12:57	
Vinyl chloride	ND	0.5	ug/L	04/04/2002 12:57	
Total xylenes	ND	1.0	ug/L	04/04/2002 12:57	
Surrogate(s)					
4-Bromofluorobenzene	101.8	86-115	%	04/04/2002 12:57	
1,2-Dichloroethane-d4	93.8	76-114	%	04/04/2002 12:57	
Toluene-d8	98.8	88-110	%	04/04/2002 12:57	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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Water

QC Batch # 2002/04/04-01.60

MB: 2002/04/04-01.60-005

Date Extracted: 04/04/2002 13:05

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/L	04/04/2002 13:05	
Acetone	ND	50	ug/L	04/04/2002 13:05	
Benzene	ND	0.5	ug/L	04/04/2002 13:05	
Bromodichloromethane	ND	0.5	ug/L	04/04/2002 13:05	
Bromobenzene	ND	1.0	ug/L	04/04/2002 13:05	
Bromochloromethane	ND	1.0	ug/L	04/04/2002 13:05	
Bromoform	ND	0.5	ug/L	04/04/2002 13:05	
Bromomethane	ND	1.0	ug/L	04/04/2002 13:05	
2-Butanone(MEK)	ND	50	ug/L	04/04/2002 13:05	
n-Butylbenzene	ND	1.0	ug/L	04/04/2002 13:05	
sec-Butylbenzene	ND	1.0	ug/L	04/04/2002 13:05	
tert-Butylbenzene	ND	1.0	ug/L	04/04/2002 13:05	
Carbon disulfide	ND	5.0	ug/L	04/04/2002 13:05	
Carbon tetrachloride	ND	0.5	ug/L	04/04/2002 13:05	
Chlorobenzene	ND	0.5	ug/L	04/04/2002 13:05	
Chloroethane	ND	1.0	ug/L	04/04/2002 13:05	
2-Chloroethylvinyl ether	ND	5.0	ug/L	04/04/2002 13:05	
Chloroform	ND	1.0	ug/L	04/04/2002 13:05	
Chloromethane	ND	1.0	ug/L	04/04/2002 13:05	
2-Chlorotoluene	ND	0.5	ug/L	04/04/2002 13:05	
4-Chlorotoluene	ND	0.5	ug/L	04/04/2002 13:05	
Dibromochloromethane	ND	0.5	ug/L	04/04/2002 13:05	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 13:05	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 13:05	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/04/2002 13:05	
1,3-Dichloropropane	ND	1.0	ug/L	04/04/2002 13:05	
2,2-Dichloropropane	ND	0.5	ug/L	04/04/2002 13:05	
1,1-Dichloropropene	ND	0.5	ug/L	04/04/2002 13:05	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	04/04/2002 13:05	
1,2-Dibromoethane	ND	0.5	ug/L	04/04/2002 13:05	
Dibromomethane	ND	0.5	ug/L	04/04/2002 13:05	
Dichlorodifluoromethane	ND	0.5	ug/L	04/04/2002 13:05	
1,1-Dichloroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,2-Dichloroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,1-Dichloroethene	ND	0.5	ug/L	04/04/2002 13:05	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/04/2002 13:05	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/04/2002 13:05	
1,2-Dichloropropane	ND	0.5	ug/L	04/04/2002 13:05	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/04/2002 13:05	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/04/2002 13:05	
Ethylbenzene	ND	0.5	ug/L	04/04/2002 13:05	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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Water

QC Batch # 2002/04/04-01.60

MB: 2002/04/04-01.60-005

Date Extracted: 04/04/2002 13:05

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	1.0	ug/L	04/04/2002 13:05	
2-Hexanone	ND	50	ug/L	04/04/2002 13:05	
Isopropylbenzene	ND	0.5	ug/L	04/04/2002 13:05	
p-Isopropyltoluene	ND	1.0	ug/L	04/04/2002 13:05	
Methylene chloride	ND	5.0	ug/L	04/04/2002 13:05	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/L	04/04/2002 13:05	
Naphthalene	ND	1.0	ug/L	04/04/2002 13:05	
n-Propylbenzene	ND	1.0	ug/L	04/04/2002 13:05	
Styrene	ND	0.5	ug/L	04/04/2002 13:05	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/04/2002 13:05	
Tetrachloroethene	ND	0.5	ug/L	04/04/2002 13:05	
Toluene	ND	0.5	ug/L	04/04/2002 13:05	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	04/04/2002 13:05	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	04/04/2002 13:05	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/04/2002 13:05	
Trichloroethene	ND	0.5	ug/L	04/04/2002 13:05	
Trichlorofluoromethane	ND	1.0	ug/L	04/04/2002 13:05	
Trichlorotrifluoroethane	ND	0.5	ug/L	04/04/2002 13:05	
1,2,4-Trimethylbenzene	ND	0.5	ug/L	04/04/2002 13:05	
1,3,5-Trimethylbenzene	ND	0.5	ug/L	04/04/2002 13:05	
Vinyl acetate	ND	25	ug/L	04/04/2002 13:05	
Vinyl chloride	ND	0.5	ug/L	04/04/2002 13:05	
Total xylenes	ND	1.0	ug/L	04/04/2002 13:05	
Surrogate(s)					
4-Bromofluorobenzene	99.6	86-115	%	04/04/2002 13:05	
1,2-Dichloroethane-d4	100.4	76-114	%	04/04/2002 13:05	
Toluene-d8	98.5	88-110	%	04/04/2002 13:05	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/04-01.07

LCS: 2002/04/04-01.07-003 Extracted: 04/04/2002 12:10 Analyzed: 04/04/2002 12:10

LCSD: 2002/04/04-01.07-004 Extracted: 04/04/2002 12:33 Analyzed: 04/04/2002 12:33

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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	20.2	20.6	20.0	20.0	101.0	103.0	2.0	69-129	20		
Chlorobenzene	20.1	19.9	20.0	20.0	100.5	99.5	1.0	61-121	20		
1,1-Dichloroethene	19.7	18.1	20.0	20.0	98.5	90.5	8.5	65-125	20		
Toluene	20.7	20.5	20.0	20.0	103.5	102.5	1.0	70-130	20		
Trichloroethene	19.0	18.7	20.0	20.0	95.0	93.5	1.6	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	498	513	500	500	99.6	102.6		86-115			
1,2-Dichloroethane-d4	469	494	500	500	93.8	98.8		76-114			
Toluene-d8	490	497	500	500	98.0	99.4		88-110			

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5030B

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/04/04-01.60
 LCS: 2002/04/04-01.60-058 Extracted: 04/04/2002 11:58 Analyzed: 04/04/2002 11:58
 LCSD: 2002/04/04-01.60-032 Extracted: 04/04/2002 12:32 Analyzed: 04/04/2002 12:32

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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
Benzene	19.2	19.1	20.0	20.0	96.0	95.5	0.5	69-129	20		
Chlorobenzene	21.3	20.3	20.0	20.0	106.5	101.5	4.8	61-121	20		
1,1-Dichloroethene	19.1	18.4	20.0	20.0	95.5	92.0	3.7	65-125	20		
Toluene	19.3	18.8	20.0	20.0	96.5	94.0	2.6	70-130	20		
Trichloroethene	18.7	18.5	20.0	20.0	93.5	92.5	1.1	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	507	479	500	500	101.4	95.8		86-115			
1,2-Dichloroethane-d4	473	490	500	500	94.6	98.0		76-114			
Toluene-d8	487	484	500	500	97.4	96.8		88-110			

Submission #: 2002-03-0553

Volatile Organic Compounds by 8260B (Low Level)

SEVERN

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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 7th 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-4-5.0-5.5	Soil	03/26/2002 17:05	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
Pleasanton, CA 94566

Sample ID: MFC-4-5.0-5.5	Lab Sample ID: 2002-03-0553-037
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 13:36
Sampled: 03/26/2002 17:05	QC-Batch: 2002/04/09-01.09
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	04/09/2002 13:36	
Acetone	ND	50	ug/Kg	1.00	04/09/2002 13:36	
Benzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Bromobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Bromochloromethane	ND	20	ug/Kg	1.00	04/09/2002 13:36	
Bromoform	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Bromomethane	ND	10	ug/Kg	1.00	04/09/2002 13:36	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	04/09/2002 13:36	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Carbon disulfide	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Chlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Chloroethane	ND	10	ug/Kg	1.00	04/09/2002 13:36	
2-Chloroethylvinyl ether	ND	50	ug/Kg	1.00	04/09/2002 13:36	
Chloroform	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Chloromethane	ND	10	ug/Kg	1.00	04/09/2002 13:36	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	04/09/2002 13:36	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	04/09/2002 13:36	
Dibromomethane	ND	10	ug/Kg	1.00	04/09/2002 13:36	
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	04/09/2002 13:36	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	

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

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 www.stl-inc.com
 www.chromalab.com

CA DHS ELAP#1094

Sample ID: MFC-4-5.0-5.5	Lab Sample ID: 2002-03-0553-037
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/09/2002 13:36
Sampled: 03/26/2002 17:05	QC-Batch: 2002/04/09-01.09
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Ethylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
2-Hexanone	ND	50	ug/Kg	1.00	04/09/2002 13:36	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Methylene chloride	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	04/09/2002 13:36	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Styrene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Tetrachloroethene	11	5.0	ug/Kg	1.00	04/09/2002 13:36	
Toluene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Trichloroethene	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,2,4-Trimethylbenzene	19	5.0	ug/Kg	1.00	04/09/2002 13:36	
1,3,5-Trimethylbenzene	5.7	5.0	ug/Kg	1.00	04/09/2002 13:36	
Vinyl acetate	ND	50	ug/Kg	1.00	04/09/2002 13:36	
Vinyl chloride	ND	5.0	ug/Kg	1.00	04/09/2002 13:36	
Total xylenes	9.8	5.0	ug/Kg	1.00	04/09/2002 13:36	
Surrogate(s)						
4-Bromofluorobenzene	102.4	74-121	%	1.00	04/09/2002 13:36	
1,2-Dichloroethane-d4	124.9	70-121	%	1.00	04/09/2002 13:36	sh
Toluene-d8	106.8	81-117	%	1.00	04/09/2002 13:36	

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 # 2002/04/09-01.09

MB: 2002/04/09-01.09-004

Date Extracted: 04/09/2002 10:50

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	04/09/2002 10:50	
Acetone	ND	50	ug/Kg	04/09/2002 10:50	
Benzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Bromodichloromethane	ND	5.0	ug/Kg	04/09/2002 10:50	
Bromobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Bromochloromethane	ND	20	ug/Kg	04/09/2002 10:50	
Bromoform	ND	5.0	ug/Kg	04/09/2002 10:50	
Bromomethane	ND	10	ug/Kg	04/09/2002 10:50	
2-Butanone(MEK)	ND	50	ug/Kg	04/09/2002 10:50	
n-Butylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
sec-Butylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
tert-Butylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Carbon disulfide	ND	5.0	ug/Kg	04/09/2002 10:50	
Carbon tetrachloride	ND	5.0	ug/Kg	04/09/2002 10:50	
Chlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Chloroethane	ND	10	ug/Kg	04/09/2002 10:50	
2-Chloroethylvinyl ether	ND	50	ug/Kg	04/09/2002 10:50	
Chloroform	ND	5.0	ug/Kg	04/09/2002 10:50	
Chloromethane	ND	10	ug/Kg	04/09/2002 10:50	
2-Chlorotoluene	ND	5.0	ug/Kg	04/09/2002 10:50	
4-Chlorotoluene	ND	5.0	ug/Kg	04/09/2002 10:50	
Dibromochloromethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,3-Dichloropropane	ND	5.0	ug/Kg	04/09/2002 10:50	
2,2-Dichloropropane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1-Dichloropropene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	04/09/2002 10:50	
1,2-Dibromoethane	ND	10	ug/Kg	04/09/2002 10:50	
Dibromomethane	ND	10	ug/Kg	04/09/2002 10:50	
Dichlorodifluoromethane	ND	10	ug/Kg	04/09/2002 10:50	
1,1-Dichloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2-Dichloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1-Dichloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2-Dichloropropane	ND	5.0	ug/Kg	04/09/2002 10:50	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	04/09/2002 10:50	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	04/09/2002 10:50	
Ethylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	

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 # 2002/04/09-01.09

MB: 2002/04/09-01.09-004

Date Extracted: 04/09/2002 10:50

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Hexachlorobutadiene	ND	5.0	ug/Kg	04/09/2002 10:50	
2-Hexanone	ND	50	ug/Kg	04/09/2002 10:50	
Isopropylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
p-Isopropyltoluene	ND	5.0	ug/Kg	04/09/2002 10:50	
Methylene chloride	ND	5.0	ug/Kg	04/09/2002 10:50	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	04/09/2002 10:50	
n-Propylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Styrene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
Tetrachloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
Toluene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
Trichloroethene	ND	5.0	ug/Kg	04/09/2002 10:50	
Trichlorofluoromethane	ND	5.0	ug/Kg	04/09/2002 10:50	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	04/09/2002 10:50	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	04/09/2002 10:50	
Vinyl acetate	ND	50	ug/Kg	04/09/2002 10:50	
Vinyl chloride	ND	5.0	ug/Kg	04/09/2002 10:50	
Total xylenes	ND	5.0	ug/Kg	04/09/2002 10:50	
Surrogate(s)					
4-Bromofluorobenzene	107.8	74-121	%	04/09/2002 10:50	
1,2-Dichloroethane-d4	109.6	70-121	%	04/09/2002 10:50	
Toluene-d8	112.6	81-117	%	04/09/2002 10:50	

Volatile Organic Compounds by 8260B (Low Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/09-01.09
 LCS: 2002/04/09-01.09-002 Extracted: 04/09/2002 09:51 Analyzed: 04/09/2002 09:51
 LCSD: 2002/04/09-01.09-003 Extracted: 04/09/2002 10:24 Analyzed: 04/09/2002 10:24

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	96.4	92.2	100.0	100.0	96.4	92.2	4.5	69-129	20		
Chlorobenzene	99.9	92.2	100.0	100.0	99.9	92.2	8.0	61-121	20		
1,1-Dichloroethene	97.4	91.2	100.0	100.0	97.4	91.2	6.6	65-125	20		
Toluene	102	90.6	100.0	100.0	102.0	90.6	11.8	70-130	20		
Trichloroethene	102	95.4	100.0	100.0	102.0	95.4	6.7	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	567	553	500	500	113.4	110.6		74-121			
1,2-Dichloroethane-d4	517	512	500	500	103.4	102.4		70-121			
Toluene-d8	573	544	500	500	114.6	108.8		81-117			

Submission #: 2002-03-0553

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

Submission #: 2002-03-0553

Volatile Organic Compounds by 8260B (High Level)

**SEVERN
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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: Port of Oakland 7th St.
SitePort of Oakland	

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www.stl-inc.com
www.chromalab.com

CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-4-5.0-5.5	Soil	03/26/2002 17:05	37

Volatile Organic Compounds by 8260B (High Level)

Iris Environmental

Test Method: 8260B

Attn: Chris Alger

Prep Method: 5035

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

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www.chromalab.com

CA DHS ELAP#1094

Sample ID: MFC-4-5.0-5.5	Lab Sample ID: 2002-03-0553-037
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/11/2002 13:54
Sampled: 03/26/2002 17:05	QC-Batch: 2002/04/11-02.06
Matrix: Soil	
Sample/Analysis Flag: HT (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Naphthalene	3500	250	ug/Kg	1.00	04/11/2002 13:54	
Surrogate(s)						
4-Bromofluorobenzene	115.7	74-121	%	200.00	04/11/2002 13:54	
1,2-Dichloroethane-d4	110.3	70-121	%	200.00	04/11/2002 13:54	
Toluene-d8	110.9	81-117	%	200.00	04/11/2002 13:54	

Volatile Organic Compounds by 8260B (High Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
1220 Quary Lane
Pleasanton, CA 94566

Method Blank	Soil	QC Batch # 2002/04/11-02.06
MB: 2002/04/11-02.06-007		Date Extracted: 04/11/2002 13:13

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

CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Benzene	ND	250	ug/Kg	04/11/2002 13:13	
Chlorobenzene	ND	250	ug/Kg	04/11/2002 13:13	
Naphthalene	ND	250	ug/Kg	04/11/2002 13:13	
Toluene	ND	250	ug/Kg	04/11/2002 13:13	
Trichloroethene	ND	250	ug/Kg	04/11/2002 13:13	
Bromobenzene	ND	250	ug/Kg	04/11/2002 13:13	
Surrogate(s)					
4-Bromofluorobenzene	107.5	74-121	%	04/11/2002 13:13	
1,2-Dichloroethane-d4	107.7	70-121	%	04/11/2002 13:13	
Toluene-d8	105.8	81-117	%	04/11/2002 13:13	

Volatile Organic Compounds by 8260B (High Level)

Batch QC report

Test Method: 8260B

Prep Method: 5035

STL San Francisco
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Pleasanton, CA 94566

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/11-02.06
 LCS: 2002/04/11-02.06-005 Extracted: 04/11/2002 12:07 Analyzed: 04/11/2002 12:07
 LCSD: 2002/04/11-02.06-006 Extracted: 04/11/2002 12:43 Analyzed: 04/11/2002 12:43

Compound	Conc. [ug/Kg]		Exp.Conc. [ug/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Benzene	10200	10300	10000	10000	102.0	103.0	1.0	69-129	20		
Chlorobenzene	9070	9260	10000	10000	90.7	92.6	2.1	61-121	20		
Toluene	10100	10100	10000	10000	101.0	101.0	0.0	70-130	20		
Trichloroethene	9820	9840	10000	10000	98.2	98.4	0.2	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	284	278	250	250	113.6	111.2		74-121			
1,2-Dichloroethane-d4	266	269	250	250	106.4	107.6		70-121			
Toluene-d8	269	261	250	250	107.6	104.4		81-117			

Submission #: 2002-03-0553

Volatile Organic Compounds by 8260B (High Level)

Legend & Notes

Test Method: 8260B

Prep Method: 5035

Analysis Flags

HT

Extracted out of holding time

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CA DHS ELAP#1094

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental	✉ 1615 Broadway, Suite 1003 Oakland, CA 94612
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01-201-A Site Port of Oakland	Project: Port of Oakland 7th St.

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CA DHS ELAP#2496

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-30-1.5-2.0	Soil	03/27/2002 10:00	12
MFC-26-Comp	Soil	03/27/2002 15:25	50
MFC-46-Comp	Soil	03/27/2002 11:30	51
MFC-24-Comp	Soil	03/27/2002 07:50	52
MFC-27-Comp	Soil	03/27/2002 08:45	53
MFC-28-Comp	Soil	03/27/2002 09:15	54
MFC-20-Comp	Soil	03/27/2002 13:25	55
MFC-3-Comp	Soil	03/27/2002 13:20	56
MFC-10-Comp	Soil	03/27/2002 14:15	57
MFC-2-Comp	Soil	03/27/2002 12:50	58
MFC-11-Comp	Soil	03/27/2002 10:07	59
MFC-1-Comp	Soil	03/27/2002 10:40	60
MFC-4-Comp	Soil	03/26/2002 17:05	61
MFC-12-Comp	Soil	03/26/2002 09:09	62
MFC-13-Comp	Soil	03/27/2002 08:15	63

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-30-1.5-2.0	Lab Sample ID: 2002-03-0553-012
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 10:00	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2-Methylphenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
4-Methylphenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Hexachloroethane	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Nitrobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Isophorone	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Naphthalene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	04/05/2002 22:02	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
Acenaphthylene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Acenaphthene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	04/05/2002 22:02	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	04/05/2002 22:02	
Dibenzofuran	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-30-1.5-2.0	Lab Sample ID: 2002-03-0553-012
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 10:00	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo.lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
Fluorene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	04/05/2002 22:02	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	04/05/2002 22:02	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	04/05/2002 22:02	
Phenanthrene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Anthracene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
Fluoranthene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Pyrene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	04/05/2002 22:02	
Chrysene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 22:02	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	04/05/2002 22:02	
Benzoic acid	ND	3.3	mg/Kg	10.00	04/05/2002 22:02	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	10.00	04/05/2002 22:02	
2-Fluorobiphenyl	NA	30-115	%	10.00	04/05/2002 22:02	
p-Terphenyl-d14	NA	18-137	%	10.00	04/05/2002 22:02	
2-Fluorophenol	NA	25-121	%	10.00	04/05/2002 22:02	
Phenol-d6	NA	24-113	%	10.00	04/05/2002 22:02	
2,4,6-Tribromophenol	NA	19-122	%	10.00	04/05/2002 22:02	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-26-Comp	Lab Sample ID: 2002-03-0553-050
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/04-02.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Isophorone	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Naphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/05/2002 16:04	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 16:04	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 16:04	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	

Semi-volatile analysis by GC/MS - EPA8270C

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Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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Sample ID: MFC-26-Comp	Lab Sample ID: 2002-03-0553-050
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/04-02.11
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
Fluorene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/05/2002 16:04	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 16:04	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/05/2002 16:04	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/05/2002 16:04	
Chrysene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 16:04	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/05/2002 16:04	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/05/2002 16:04	
Surrogate(s)						
Nitrobenzene-d5	66.8	23-120	%	1.00	04/05/2002 16:04	
2-Fluorobiphenyl	67.9	30-115	%	1.00	04/05/2002 16:04	
p-Terphenyl-d14	80.8	18-137	%	1.00	04/05/2002 16:04	
2-Fluorophenol	60.0	25-121	%	1.00	04/05/2002 16:04	
Phenol-d6	72.5	24-113	%	1.00	04/05/2002 16:04	
2,4,6-Tribromophenol	73.9	19-122	%	1.00	04/05/2002 16:04	

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Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-46-Comp	Lab Sample ID: 2002-03-0553-051
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 11:30	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: lrm (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2-Methylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
4-Methylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Hexachloroethane	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Nitrobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Isophorone	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Naphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	04/05/2002 14:45	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
Acenaphthylene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Acenaphthene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 14:45	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 14:45	
Dibenzofuran	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-46-Comp	Lab Sample ID: 2002-03-0553-051
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 11:30	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
Fluorene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	04/05/2002 14:45	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 14:45	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	04/05/2002 14:45	
Phenanthrene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
Fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	04/05/2002 14:45	
Chrysene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 14:45	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	04/05/2002 14:45	
Benzoic acid	ND	1.7	mg/Kg	5.00	04/05/2002 14:45	
Surrogate(s)						
Nitrobenzene-d5	43.6	23-120	%	5.00	04/05/2002 14:45	
2-Fluorobiphenyl	62.7	30-115	%	5.00	04/05/2002 14:45	
p-Terphenyl-d14	70.4	18-137	%	5.00	04/05/2002 14:45	
2-Fluorophenol	51.2	25-121	%	5.00	04/05/2002 14:45	
Phenol-d6	54.9	24-113	%	5.00	04/05/2002 14:45	
2,4,6-Tribromophenol	84.0	19-122	%	5.00	04/05/2002 14:45	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-24-Comp	Lab Sample ID: 2002-03-0553-052
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 07:50	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2-Chlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
1,3-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
1,4-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Benzyl alcohol	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
1,2-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Bis(2-chloroisopropyl) ether	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
4-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
N-Nitroso-di-n-propylamine	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Hexachloroethane	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Nitrobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Isophorone	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2-Nitrophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2,4-Dimethylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Bis(2-chloroethoxy) methane	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
2,4-Dichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Naphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
4-Chloroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Hexachlorobutadiene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
4-Chloro-3-methylphenol	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
2-Methylnaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Hexachlorocyclopentadiene	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
2,4,6-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2,4,5-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2-Chloronaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 15:14	
Dimethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
Acenaphthylene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
3-Nitroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Acenaphthene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2,4-Dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 15:14	
4-Nitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 15:14	
Dibenzofuran	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
2,4-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-24-Comp	Lab Sample ID: 2002-03-0553-052
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 07:50	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Diethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
4-Chlorophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
Fluorene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
4-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 15:14	
2-Methyl-4,6-dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 15:14	
N-Nitrosodiphenylamine	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
4-Bromophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
Hexachlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Pentachlorophenol	ND	8.3	mg/Kg	25.00	04/05/2002 15:14	
Phenanthrene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Di-n-butyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
Fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Butyl benzyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
3,3-Dichlorobenzidine	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
Benzo(a)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
bis(2-Ethylhexyl) phthalate	ND	8.3	mg/Kg	25.00	04/05/2002 15:14	
Chrysene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Di-n-octyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:14	
Benzo(b)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Benzo(k)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Benzo(a)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Indeno(1,2,3-c,d)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Dibenzo(a,h)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Benzo(g,h,i)perylene	ND	1.7	mg/Kg	25.00	04/05/2002 15:14	
Benzoic acid	ND	8.3	mg/Kg	25.00	04/05/2002 15:14	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	25.00	04/05/2002 15:14	
2-Fluorobiphenyl	NA	30-115	%	25.00	04/05/2002 15:14	
p-Terphenyl-d14	NA	18-137	%	25.00	04/05/2002 15:14	
2-Fluorophenol	NA	25-121	%	25.00	04/05/2002 15:14	
Phenol-d6	NA	24-113	%	25.00	04/05/2002 15:14	
2,4,6-Tribromophenol	NA	19-122	%	25.00	04/05/2002 15:14	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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Sample ID: MFC-27-Comp	Lab Sample ID: 2002-03-0553-053
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 08:45	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: Irr.sdo (See Legend & Note section)	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2-Chlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
1,3-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
1,4-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Benzyl alcohol	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
1,2-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Bis(2-chloroisopropyl) ether	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
4-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
N-Nitroso-di-n-propylamine	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Hexachloroethane	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Nitrobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Isophorone	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2-Nitrophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2,4-Dimethylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Bis(2-chloroethoxy) methane	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
2,4-Dichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Naphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
4-Chloroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Hexachlorobutadiene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
4-Chloro-3-methylphenol	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
2-Methylnaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Hexachlorocyclopentadiene	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
2,4,6-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2,4,5-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2-Chloronaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 15:43	
Dimethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
Acenaphthylene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
3-Nitroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Acenaphthene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2,4-Dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 15:43	
4-Nitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 15:43	
Dibenzofuran	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
2,4-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	

Semi-volatile analysis by GC/MS - EPA8270C

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Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-27-Comp	Lab Sample ID: 2002-03-0553-053
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 08:45	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: Im,sdo (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Diethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
4-Chlorophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
Fluorene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
4-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 15:43	
2-Methyl-4,6-dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 15:43	
N-Nitrosodiphenylamine	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
4-Bromophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
Hexachlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Pentachlorophenol	ND	8.3	mg/Kg	25.00	04/05/2002 15:43	
Phenanthrene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Di-n-butyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
Fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Butyl benzyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
3,3-Dichlorobenzidine	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
Benzo(a)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
bis(2-Ethylhexyl) phthalate	ND	8.3	mg/Kg	25.00	04/05/2002 15:43	
Chrysene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Di-n-octyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 15:43	
Benzo(b)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Benzo(k)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Benzo(a)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Indeno(1,2,3-c,d)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Dibenzo(a,h)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Benzo(g,h,i)perylene	ND	1.7	mg/Kg	25.00	04/05/2002 15:43	
Benzoic acid	ND	8.3	mg/Kg	25.00	04/05/2002 15:43	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	25.00	04/05/2002 15:43	
2-Fluorobiphenyl	NA	30-115	%	25.00	04/05/2002 15:43	
p-Terphenyl-d14	NA	18-137	%	25.00	04/05/2002 15:43	
2-Fluorophenol	NA	25-121	%	25.00	04/05/2002 15:43	
Phenol-d6	NA	24-113	%	25.00	04/05/2002 15:43	
2,4,6-Tribromophenol	NA	19-122	%	25.00	04/05/2002 15:43	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-28-Comp	Lab Sample ID: 2002-03-0553-054
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 09:15	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: lrm (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2-Methylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
4-Methylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Hexachloroethane	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Nitrobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Isophorone	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Naphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	04/05/2002 20:50	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
Acenaphthylene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Acenaphthene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 20:50	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 20:50	
Dibenzofuran	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-28-Comp	Lab Sample ID: 2002-03-0553-054
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 09:15	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
Fluorene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	04/05/2002 20:50	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 20:50	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	04/05/2002 20:50	
Phenanthrene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
Fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	04/05/2002 20:50	
Chrysene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 20:50	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	04/05/2002 20:50	
Benzoic acid	ND	1.7	mg/Kg	5.00	04/05/2002 20:50	
Surrogate(s)						
Nitrobenzene-d5	76.1	23-120	%	5.00	04/05/2002 20:50	
2-Fluorobiphenyl	87.1	30-115	%	5.00	04/05/2002 20:50	
p-Terphenyl-d14	126.1	18-137	%	5.00	04/05/2002 20:50	
2-Fluorophenol	70.8	25-121	%	5.00	04/05/2002 20:50	
Phenol-d6	93.4	24-113	%	5.00	04/05/2002 20:50	
2,4,6-Tribromophenol	83.4	19-122	%	5.00	04/05/2002 20:50	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-20-Comp	Lab Sample ID: 2002-03-0553-055
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 13:25	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2-Chlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
1,3-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
1,4-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Benzyl alcohol	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
1,2-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Bis(2-chloroisopropyl) ether	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
4-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
N-Nitroso-di-n-propylamine	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Hexachloroethane	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Nitrobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Isophorone	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2-Nitrophenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2,4-Dimethylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Bis(2-chloroethoxy) methane	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
2,4-Dichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Naphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
4-Chloroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Hexachlorobutadiene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
4-Chloro-3-methylphenol	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
2-Methylnaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Hexachlorocyclopentadiene	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
2,4,6-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2,4,5-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2-Chloronaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 16:11	
Dimethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
Acenaphthylene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
3-Nitroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Acenaphthene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2,4-Dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 16:11	
4-Nitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 16:11	
Dibenzofuran	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
2,4-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-20-Comp	Lab Sample ID: 2002-03-0553-055
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 13:25	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lm (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Diethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
4-Chlorophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
Fluorene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
4-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 16:11	
2-Methyl-4,6-dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 16:11	
N-Nitrosodiphenylamine	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
4-Bromophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
Hexachlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Pentachlorophenol	ND	8.3	mg/Kg	25.00	04/05/2002 16:11	
Phenanthrene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Di-n-butyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
Fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Butyl benzyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
3,3-Dichlorobenzidine	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
Benzo(a)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
bis(2-Ethylhexyl) phthalate	ND	8.3	mg/Kg	25.00	04/05/2002 16:11	
Chrysene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Di-n-octyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 16:11	
Benzo(b)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Benzo(k)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Benzo(a)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Indeno(1,2,3-c,d)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Dibenzo(a,h)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Benzo(g,h,i)perylene	ND	1.7	mg/Kg	25.00	04/05/2002 16:11	
Benzoic acid	ND	8.3	mg/Kg	25.00	04/05/2002 16:11	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	25.00	04/05/2002 16:11	
2-Fluorobiphenyl	NA	30-115	%	25.00	04/05/2002 16:11	
p-Terphenyl-d14	NA	18-137	%	25.00	04/05/2002 16:11	
2-Fluorophenol	NA	25-121	%	25.00	04/05/2002 16:11	
Phenol-d6	NA	24-113	%	25.00	04/05/2002 16:11	
2,4,6-Tribromophenol	NA	19-122	%	25.00	04/05/2002 16:11	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-3-Comp	Lab Sample ID: 2002-03-0553-056
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 13:20	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: Irr (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Bis(2-chloroethyl)ether	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2-Chlorophenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
1,3-Dichlorobenzene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
1,4-Dichlorobenzene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Benzyl alcohol	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
1,2-Dichlorobenzene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2-Methylphenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Bis(2-chloroisopropyl) ether	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
4-Methylphenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
N-Nitroso-di-n-propylamine	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Hexachloroethane	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Nitrobenzene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Isophorone	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2-Nitrophenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2,4-Dimethylphenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Bis(2-chloroethoxy) methane	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
2,4-Dichlorophenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
1,2,4-Trichlorobenzene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Naphthalene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
4-Chloroaniline	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Hexachlorobutadiene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
4-Chloro-3-methylphenol	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
2-Methylnaphthalene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Hexachlorocyclopentadiene	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
2,4,6-Trichlorophenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2,4,5-Trichlorophenol	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2-Chloronaphthalene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2-Nitroaniline	ND	0.66	mg/Kg	2.00	04/05/2002 16:40	
Dimethyl phthalate	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
Acenaphthylene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
3-Nitroaniline	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Acenaphthene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2,4-Dinitrophenol	ND	0.66	mg/Kg	2.00	04/05/2002 16:40	
4-Nitrophenol	ND	0.66	mg/Kg	2.00	04/05/2002 16:40	
Dibenzofuran	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
2,4-Dinitrotoluene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-3-Comp	Lab Sample ID: 2002-03-0553-056
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 13:20	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: Irm (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Diethyl phthalate	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
4-Chlorophenyl phenyl ether	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
Fluorene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
4-Nitroaniline	ND	0.66	mg/Kg	2.00	04/05/2002 16:40	
2-Methyl-4,6-dinitrophenol	ND	0.66	mg/Kg	2.00	04/05/2002 16:40	
N-Nitrosodiphenylamine	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
Hexachlorobenzene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Pentachlorophenol	ND	0.66	mg/Kg	2.00	04/05/2002 16:40	
Phenanthrene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Anthracene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Di-n-butyl phthalate	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
Fluoranthene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Pyrene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Butyl benzyl phthalate	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
3,3-Dichlorobenzidine	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
Benzo(a)anthracene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
bis(2-Ethylhexyl) phthalate	ND	0.66	mg/Kg	2.00	04/05/2002 16:40	
Chrysene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Di-n-octyl phthalate	ND	0.34	mg/Kg	2.00	04/05/2002 16:40	
Benzo(b)fluoranthene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Benzo(k)fluoranthene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Benzo(a)pyrene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Indeno(1,2,3-c,d)pyrene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Dibenzo(a,h)anthracene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Benzo(g,h,i)perylene	ND	0.13	mg/Kg	2.00	04/05/2002 16:40	
Benzoic acid	ND	0.66	mg/Kg	2.00	04/05/2002 16:40	
Surrogate(s)						
Nitrobenzene-d5	50.7	23-120	%	2.00	04/05/2002 16:40	
2-Fluorobiphenyl	63.2	30-115	%	2.00	04/05/2002 16:40	
p-Terphenyl-d14	72.9	18-137	%	2.00	04/05/2002 16:40	
2-Fluorophenol	54.5	25-121	%	2.00	04/05/2002 16:40	
Phenol-d6	61.3	24-113	%	2.00	04/05/2002 16:40	
2,4,6-Tribromophenol	78.8	19-122	%	2.00	04/05/2002 16:40	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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Sample ID: MFC-10-Comp	Lab Sample ID: 2002-03-0553-057
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 14:15	QC-Batch: 2002/04/04-02.11
Matrix: Soil	

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Isophorone	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Naphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/05/2002 20:14	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 20:14	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 20:14	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

 STL San Francisco
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 Pleasanton, CA 94566

Sample ID: MFC-10-Comp	Lab Sample ID: 2002-03-0553-057
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 14:15	QC-Batch: 2002/04/04-02.11
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
Fluorene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/05/2002 20:14	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 20:14	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/05/2002 20:14	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/05/2002 20:14	
Chrysene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 20:14	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/05/2002 20:14	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/05/2002 20:14	
Surrogate(s)						
Nitrobenzene-d5	44.9	23-120	%	1.00	04/05/2002 20:14	
2-Fluorobiphenyl	54.7	30-115	%	1.00	04/05/2002 20:14	
p-Terphenyl-d14	106.9	18-137	%	1.00	04/05/2002 20:14	
2-Fluorophenol	41.4	25-121	%	1.00	04/05/2002 20:14	
Phenol-d6	56.9	24-113	%	1.00	04/05/2002 20:14	
2,4,6-Tribromophenol	79.8	19-122	%	1.00	04/05/2002 20:14	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-2-Comp	Lab Sample ID: 2002-03-0553-058
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 12:50	QC-Batch: 2002/04/04-02.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2-Chlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Benzyl alcohol	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2-Methylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
4-Methylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Hexachloroethane	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Nitrobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Isophorone	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2-Nitrophenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2,4-Dimethylphenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
2,4-Dichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Naphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
4-Chloroaniline	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Hexachlorobutadiene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
2-Methylnaphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2-Chloronaphthalene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2-Nitroaniline	ND	0.33	mg/Kg	1.00	04/05/2002 19:38	
Dimethyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
Acenaphthylene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
3-Nitroaniline	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Acenaphthene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 19:38	
4-Nitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 19:38	
Dibenzofuran	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-2-Comp	Lab Sample ID: 2002-03-0553-058
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 12:50	QC-Batch: 2002/04/04-02.11
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diethyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
Fluorene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
4-Nitroaniline	ND	0.33	mg/Kg	1.00	04/05/2002 19:38	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	1.00	04/05/2002 19:38	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
Hexachlorobenzene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Pentachlorophenol	ND	0.33	mg/Kg	1.00	04/05/2002 19:38	
Phenanthrene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Di-n-butyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
Fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Butyl benzyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
Benzo(a)anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	1.00	04/05/2002 19:38	
Chrysene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Di-n-octyl phthalate	ND	0.17	mg/Kg	1.00	04/05/2002 19:38	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Benzo(a)pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	1.00	04/05/2002 19:38	
Benzoic acid	ND	0.33	mg/Kg	1.00	04/05/2002 19:38	
Surrogate(s)						
Nitrobenzene-d5	45.0	23-120	%	1.00	04/05/2002 19:38	
2-Fluorobiphenyl	45.1	30-115	%	1.00	04/05/2002 19:38	
p-Terphenyl-d14	74.1	18-137	%	1.00	04/05/2002 19:38	
2-Fluorophenol	41.0	25-121	%	1.00	04/05/2002 19:38	
Phenol-d6	48.9	24-113	%	1.00	04/05/2002 19:38	
2,4,6-Tribromophenol	63.1	19-122	%	1.00	04/05/2002 19:38	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-11-Comp	Lab Sample ID: 2002-03-0553-059
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 10:07	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lm (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Bis(2-chloroethyl)ether	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2-Chlorophenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
1,3-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
1,4-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Benzyl alcohol	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
1,2-Dichlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2-Methylphenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Bis(2-chloroisopropyl) ether	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
4-Methylphenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
N-Nitroso-di-n-propylamine	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Hexachloroethane	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Nitrobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Isophorone	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2-Nitrophenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2,4-Dimethylphenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Bis(2-chloroethoxy) methane	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
2,4-Dichlorophenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
1,2,4-Trichlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Naphthalene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
4-Chloroaniline	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Hexachlorobutadiene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
4-Chloro-3-methylphenol	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
2-Methylnaphthalene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Hexachlorocyclopentadiene	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
2,4,6-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2,4,5-Trichlorophenol	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2-Chloronaphthalene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2-Nitroaniline	ND	3.3	mg/Kg	10.00	04/05/2002 17:09	
Dimethyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
Acenaphthylene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
3-Nitroaniline	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Acenaphthene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2,4-Dinitrophenol	ND	3.3	mg/Kg	10.00	04/05/2002 17:09	
4-Nitrophenol	ND	3.3	mg/Kg	10.00	04/05/2002 17:09	
Dibenzofuran	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
2,4-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-11-Comp	Lab Sample ID: 2002-03-0553-059
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 10:07	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo.lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Diethyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
4-Chlorophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
Fluorene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
4-Nitroaniline	ND	3.3	mg/Kg	10.00	04/05/2002 17:09	
2-Methyl-4,6-dinitrophenol	ND	3.3	mg/Kg	10.00	04/05/2002 17:09	
N-Nitrosodiphenylamine	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
4-Bromophenyl phenyl ether	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
Hexachlorobenzene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Pentachlorophenol	ND	3.3	mg/Kg	10.00	04/05/2002 17:09	
Phenanthrene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Anthracene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Di-n-butyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
Fluoranthene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Pyrene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Butyl benzyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
3,3-Dichlorobenzidine	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
Benzo(a)anthracene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
bis(2-Ethylhexyl) phthalate	ND	3.3	mg/Kg	10.00	04/05/2002 17:09	
Chrysene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Di-n-octyl phthalate	ND	1.7	mg/Kg	10.00	04/05/2002 17:09	
Benzo(b)fluoranthene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Benzo(k)fluoranthene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Benzo(a)pyrene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Indeno(1,2,3-c,d)pyrene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Dibenzo(a,h)anthracene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Benzo(g,h,i)perylene	ND	0.67	mg/Kg	10.00	04/05/2002 17:09	
Benzoic acid	ND	3.3	mg/Kg	10.00	04/05/2002 17:09	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	10.00	04/05/2002 17:09	
2-Fluorobiphenyl	NA	30-115	%	10.00	04/05/2002 17:09	
p-Terphenyl-d14	NA	18-137	%	10.00	04/05/2002 17:09	
2-Fluorophenol	NA	25-121	%	10.00	04/05/2002 17:09	
Phenol-d6	NA	24-113	%	10.00	04/05/2002 17:09	
2,4,6-Tribromophenol	NA	19-122	%	10.00	04/05/2002 17:09	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-1-Comp	Lab Sample ID: 2002-03-0553-060
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 10:40	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2-Chlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
1,3-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
1,4-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Benzyl alcohol	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
1,2-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Bis(2-chloroisopropyl) ether	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
4-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
N-Nitroso-di-n-propylamine	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Hexachloroethane	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Nitrobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Isophorone	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2-Nitrophenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2,4-Dimethylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Bis(2-chloroethoxy) methane	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
2,4-Dichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Naphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
4-Chloroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Hexachlorobutadiene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
4-Chloro-3-methylphenol	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
2-Methylnaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Hexachlorocyclopentadiene	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
2,4,6-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2,4,5-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2-Chloronaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 13:42	
Dimethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
Acenaphthylene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
3-Nitroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Acenaphthene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2,4-Dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 13:42	
4-Nitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 13:42	
Dibenzofuran	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
2,4-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental
Attn: Chris Alger

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

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CA DHS ELAP#2496

Sample ID: MFC-1-Comp	Lab Sample ID: 2002-03-0553-060
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 10:40	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Diethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
4-Chlorophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
Fluorene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
4-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 13:42	
2-Methyl-4,6-dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 13:42	
N-Nitrosodiphenylamine	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
4-Bromophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
Hexachlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Pentachlorophenol	ND	8.3	mg/Kg	25.00	04/05/2002 13:42	
Phenanthrene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Di-n-butyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
Fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Butyl benzyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
3,3-Dichlorobenzidine	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
Benzo(a)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
bis(2-Ethylhexyl) phthalate	ND	8.3	mg/Kg	25.00	04/05/2002 13:42	
Chrysene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Di-n-octyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 13:42	
Benzo(b)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Benzo(k)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Benzo(a)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Indeno(1,2,3-c,d)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Dibenzo(a,h)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Benzo(g,h,i)perylene	ND	1.7	mg/Kg	25.00	04/05/2002 13:42	
Benzoic acid	ND	8.3	mg/Kg	25.00	04/05/2002 13:42	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	25.00	04/05/2002 13:42	
2-Fluorobiphenyl	NA	30-115	%	25.00	04/05/2002 13:42	
p-Terphenyl-d14	NA	18-137	%	25.00	04/05/2002 13:42	
2-Fluorophenol	NA	25-121	%	25.00	04/05/2002 13:42	
Phenol-d6	NA	24-113	%	25.00	04/05/2002 13:42	
2,4,6-Tribromophenol	NA	19-122	%	25.00	04/05/2002 13:42	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-4-Comp	Lab Sample ID: 2002-03-0553-061
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/26/2002 17:05	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Bis(2-chloroethyl)ether	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
2-Chlorophenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
1,3-Dichlorobenzene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
1,4-Dichlorobenzene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Benzyl alcohol	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
1,2-Dichlorobenzene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
2-Methylphenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Bis(2-chloroisopropyl) ether	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
4-Methylphenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
N-Nitroso-di-n-propylamine	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Hexachloroethane	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Nitrobenzene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Isophorone	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
2-Nitrophenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
2,4-Dimethylphenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Bis(2-chloroethoxy) methane	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
2,4-Dichlorophenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
1,2,4-Trichlorobenzene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Naphthalene	5.9	1.3	mg/Kg	20.00	04/08/2002 11:28	
4-Chloroaniline	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Hexachlorobutadiene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
4-Chloro-3-methylphenol	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
2-Methylnaphthalene	18	1.3	mg/Kg	20.00	04/08/2002 11:28	
Hexachlorocyclopentadiene	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
2,4,6-Trichlorophenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
2,4,5-Trichlorophenol	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
2-Chloronaphthalene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
2-Nitroaniline	ND	6.6	mg/Kg	20.00	04/08/2002 11:28	
Dimethyl phthalate	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
Acenaphthylene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
3-Nitroaniline	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Acenaphthene	14	1.3	mg/Kg	20.00	04/08/2002 11:28	
2,4-Dinitrophenol	ND	6.6	mg/Kg	20.00	04/08/2002 11:28	
4-Nitrophenol	ND	6.6	mg/Kg	20.00	04/08/2002 11:28	
Dibenzofuran	8.5	1.3	mg/Kg	20.00	04/08/2002 11:28	
2,4-Dinitrotoluene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-4-Comp	Lab Sample ID: 2002-03-0553-061
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/26/2002 17:05	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Diethyl phthalate	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
4-Chlorophenyl phenyl ether	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
Fluorene	12	1.3	mg/Kg	20.00	04/08/2002 11:28	
4-Nitroaniline	ND	6.6	mg/Kg	20.00	04/08/2002 11:28	
2-Methyl-4,6-dinitrophenol	ND	6.6	mg/Kg	20.00	04/08/2002 11:28	
N-Nitrosodiphenylamine	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
4-Bromophenyl phenyl ether	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
Hexachlorobenzene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Pentachlorophenol	ND	6.6	mg/Kg	20.00	04/08/2002 11:28	
Phenanthrene	36	1.3	mg/Kg	20.00	04/08/2002 11:28	
Anthracene	12	1.3	mg/Kg	20.00	04/08/2002 11:28	
Di-n-butyl phthalate	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
Fluoranthene	15	1.3	mg/Kg	20.00	04/08/2002 11:28	
Pyrene	15	1.3	mg/Kg	20.00	04/08/2002 11:28	
Butyl benzyl phthalate	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
3,3-Dichlorobenzidine	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
Benzo(a)anthracene	4.0	1.3	mg/Kg	20.00	04/08/2002 11:28	
bis(2-Ethylhexyl) phthalate	ND	6.6	mg/Kg	20.00	04/08/2002 11:28	
Chrysene	2.9	1.3	mg/Kg	20.00	04/08/2002 11:28	
Di-n-octyl phthalate	ND	3.4	mg/Kg	20.00	04/08/2002 11:28	
Benzo(b)fluoranthene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Benzo(k)fluoranthene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Benzo(a)pyrene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Indeno(1,2,3-c,d)pyrene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Dibenzo(a,h)anthracene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Benzo(g,h,i)perylene	ND	1.3	mg/Kg	20.00	04/08/2002 11:28	
Benzoic acid	ND	6.6	mg/Kg	20.00	04/08/2002 11:28	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	20.00	04/08/2002 11:28	
2-Fluorobiphenyl	NA	30-115	%	20.00	04/08/2002 11:28	
p-Terphenyl-d14	NA	18-137	%	20.00	04/08/2002 11:28	
2-Fluorophenol	NA	25-121	%	20.00	04/08/2002 11:28	
Phenol-d6	NA	24-113	%	20.00	04/08/2002 11:28	
2,4,6-Tribromophenol	NA	19-122	%	20.00	04/08/2002 11:28	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-12-Comp	Lab Sample ID: 2002-03-0553-062
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/26/2002 09:09	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Bis(2-chloroethyl)ether	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2-Chlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
1,3-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
1,4-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Benzyl alcohol	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
1,2-Dichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Bis(2-chloroisopropyl) ether	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
4-Methylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
N-Nitroso-di-n-propylamine	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Hexachloroethane	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Nitrobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Isophorone	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2-Nitrophenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2,4-Dimethylphenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Bis(2-chloroethoxy) methane	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
2,4-Dichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
1,2,4-Trichlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Naphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
4-Chloroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Hexachlorobutadiene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
4-Chloro-3-methylphenol	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
2-Methylnaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Hexachlorocyclopentadiene	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
2,4,6-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2,4,5-Trichlorophenol	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2-Chloronaphthalene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 14:16	
Dimethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
Acenaphthylene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
3-Nitroaniline	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Acenaphthene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2,4-Dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 14:16	
4-Nitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 14:16	
Dibenzofuran	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
2,4-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-12-Comp	Lab Sample ID: 2002-03-0553-062
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/26/2002 09:09	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: sdo,lrn (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Diethyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
4-Chlorophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
Fluorene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
4-Nitroaniline	ND	8.3	mg/Kg	25.00	04/05/2002 14:16	
2-Methyl-4,6-dinitrophenol	ND	8.3	mg/Kg	25.00	04/05/2002 14:16	
N-Nitrosodiphenylamine	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
4-Bromophenyl phenyl ether	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
Hexachlorobenzene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Pentachlorophenol	ND	8.3	mg/Kg	25.00	04/05/2002 14:16	
Phenanthrene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Di-n-butyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
Fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Butyl benzyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
3,3-Dichlorobenzidine	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
Benzo(a)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
bis(2-Ethylhexyl) phthalate	ND	8.3	mg/Kg	25.00	04/05/2002 14:16	
Chrysene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Di-n-octyl phthalate	ND	4.3	mg/Kg	25.00	04/05/2002 14:16	
Benzo(b)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Benzo(k)fluoranthene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Benzo(a)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Indeno(1,2,3-c,d)pyrene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Dibenzo(a,h)anthracene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Benzo(g,h,i)perylene	ND	1.7	mg/Kg	25.00	04/05/2002 14:16	
Benzoic acid	ND	8.3	mg/Kg	25.00	04/05/2002 14:16	
Surrogate(s)						
Nitrobenzene-d5	NA	23-120	%	25.00	04/05/2002 14:16	
2-Fluorobiphenyl	NA	30-115	%	25.00	04/05/2002 14:16	
p-Terphenyl-d14	NA	18-137	%	25.00	04/05/2002 14:16	
2-Fluorophenol	NA	25-121	%	25.00	04/05/2002 14:16	
Phenol-d6	NA	24-113	%	25.00	04/05/2002 14:16	
2,4,6-Tribromophenol	NA	19-122	%	25.00	04/05/2002 14:16	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3550B/8270C

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 1220 Quarry Lane
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CA DHS ELAP#2496

Sample ID: MFC-13-Comp	Lab Sample ID: 2002-03-0553-063
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 08:15	QC-Batch: 2002/04/04-02.11
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	04/05/2002 19:02	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2-Chlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
1,3-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
1,4-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Benzyl alcohol	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
1,2-Dichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2-Methylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Bis(2-chloroisopropyl) ether	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
4-Methylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
N-Nitroso-di-n-propylamine	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Hexachloroethane	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Nitrobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Isophorone	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2-Nitrophenol	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2,4-Dimethylphenol	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Bis(2-chloroethoxy) methane	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
2,4-Dichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Naphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
4-Chloroaniline	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Hexachlorobutadiene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
4-Chloro-3-methylphenol	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
2-Methylnaphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Hexachlorocyclopentadiene	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
2,4,6-Trichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2,4,5-Trichlorophenol	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2-Chloronaphthalene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2-Nitroaniline	ND	1.7	mg/Kg	5.00	04/05/2002 19:02	
Dimethyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
Acenaphthylene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
3-Nitroaniline	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Acenaphthene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2,4-Dinitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 19:02	
4-Nitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 19:02	
Dibenzofuran	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
2,4-Dinitrotoluene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3550B/8270C

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CA DHS ELAP#2496

Sample ID: MFC-13-Comp	Lab Sample ID: 2002-03-0553-063
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 14:46
Sampled: 03/27/2002 08:15	QC-Batch: 2002/04/04-02.11
Matrix: Soil	
Sample/Analysis Flag: Im (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Diethyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
4-Chlorophenyl phenyl ether	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
Fluorene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
4-Nitroaniline	ND	1.7	mg/Kg	5.00	04/05/2002 19:02	
2-Methyl-4,6-dinitrophenol	ND	1.7	mg/Kg	5.00	04/05/2002 19:02	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
4-Bromophenyl phenyl ether	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
Hexachlorobenzene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Pentachlorophenol	ND	1.7	mg/Kg	5.00	04/05/2002 19:02	
Phenanthrene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Di-n-butyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
Fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Butyl benzyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
3,3-Dichlorobenzidine	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
Benzo(a)anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
bis(2-Ethylhexyl) phthalate	ND	1.7	mg/Kg	5.00	04/05/2002 19:02	
Chrysene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Di-n-octyl phthalate	ND	0.85	mg/Kg	5.00	04/05/2002 19:02	
Benzo(b)fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Benzo(k)fluoranthene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Benzo(a)pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Indeno(1,2,3-c,d)pyrene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Dibenzo(a,h)anthracene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Benzo(g,h,i)perylene	ND	0.34	mg/Kg	5.00	04/05/2002 19:02	
Benzoic acid	ND	1.7	mg/Kg	5.00	04/05/2002 19:02	
Surrogate(s)						
Nitrobenzene-d5	69.9	23-120	%	5.00	04/05/2002 19:02	
2-Fluorobiphenyl	80.7	30-115	%	5.00	04/05/2002 19:02	
p-Terphenyl-d14	112.1	18-137	%	5.00	04/05/2002 19:02	
2-Fluorophenol	60.4	25-121	%	5.00	04/05/2002 19:02	
Phenol-d6	82.0	24-113	%	5.00	04/05/2002 19:02	
2,4,6-Tribromophenol	77.6	19-122	%	5.00	04/05/2002 19:02	

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 # 2002/04/04-02.11

MB: 2002/04/04-02.11-001

Date Extracted: 04/04/2002 14:46

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www.chromalab.com

CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Phenol	ND	0.067	mg/Kg	04/05/2002 11:15	
Bis(2-chloroethyl)ether	ND	0.067	mg/Kg	04/05/2002 11:15	
2-Chlorophenol	ND	0.067	mg/Kg	04/05/2002 11:15	
1,3-Dichlorobenzene	ND	0.067	mg/Kg	04/05/2002 11:15	
1,4-Dichlorobenzene	ND	0.067	mg/Kg	04/05/2002 11:15	
Benzyl alcohol	ND	0.17	mg/Kg	04/05/2002 11:15	
1,2-Dichlorobenzene	ND	0.067	mg/Kg	04/05/2002 11:15	
2-Methylphenol	ND	0.067	mg/Kg	04/05/2002 11:15	
Bis(2-chloroisopropyl) ether	ND	0.067	mg/Kg	04/05/2002 11:15	
4-Methylphenol	ND	0.067	mg/Kg	04/05/2002 11:15	
N-Nitroso-di-n-propylamine	ND	0.067	mg/Kg	04/05/2002 11:15	
Hexachloroethane	ND	0.067	mg/Kg	04/05/2002 11:15	
Nitrobenzene	ND	0.067	mg/Kg	04/05/2002 11:15	
Isophorone	ND	0.067	mg/Kg	04/05/2002 11:15	
2-Nitrophenol	ND	0.067	mg/Kg	04/05/2002 11:15	
2,4-Dimethylphenol	ND	0.067	mg/Kg	04/05/2002 11:15	
Bis(2-chloroethoxy) methane	ND	0.17	mg/Kg	04/05/2002 11:15	
2,4-Dichlorophenol	ND	0.067	mg/Kg	04/05/2002 11:15	
1,2,4-Trichlorobenzene	ND	0.067	mg/Kg	04/05/2002 11:15	
Naphthalene	ND	0.067	mg/Kg	04/05/2002 11:15	
4-Chloroaniline	ND	0.067	mg/Kg	04/05/2002 11:15	
Hexachlorobutadiene	ND	0.067	mg/Kg	04/05/2002 11:15	
4-Chloro-3-methylphenol	ND	0.17	mg/Kg	04/05/2002 11:15	
2-Methylnaphthalene	ND	0.067	mg/Kg	04/05/2002 11:15	
Hexachlorocyclopentadiene	ND	0.17	mg/Kg	04/05/2002 11:15	
2,4,6-Trichlorophenol	ND	0.067	mg/Kg	04/05/2002 11:15	
2,4,5-Trichlorophenol	ND	0.067	mg/Kg	04/05/2002 11:15	
2-Chloronaphthalene	ND	0.067	mg/Kg	04/05/2002 11:15	
2-Nitroaniline	ND	0.33	mg/Kg	04/05/2002 11:15	
Dimethyl phthalate	ND	0.17	mg/Kg	04/05/2002 11:15	
Acenaphthylene	ND	0.067	mg/Kg	04/05/2002 11:15	
3-Nitroaniline	ND	0.067	mg/Kg	04/05/2002 11:15	
Acenaphthene	ND	0.067	mg/Kg	04/05/2002 11:15	
2,4-Dinitrophenol	ND	0.33	mg/Kg	04/05/2002 11:15	
4-Nitrophenol	ND	0.33	mg/Kg	04/05/2002 11:15	
Dibenzofuran	ND	0.067	mg/Kg	04/05/2002 11:15	
2,4-Dinitrotoluene	ND	0.067	mg/Kg	04/05/2002 11:15	
2,6-Dinitrotoluene	ND	0.067	mg/Kg	04/05/2002 11:15	
Diethyl phthalate	ND	0.17	mg/Kg	04/05/2002 11:15	
4-Chlorophenyl phenyl ether	ND	0.17	mg/Kg	04/05/2002 11:15	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3550B/8270C

STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Method Blank

Soil

QC Batch # 2002/04/04-02.11

MB: 2002/04/04-02.11-001

Date Extracted: 04/04/2002 14:46

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CA DHS ELAP#2496

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Fluorene	ND	0.067	mg/Kg	04/05/2002 11:15	
4-Nitroaniline	ND	0.33	mg/Kg	04/05/2002 11:15	
2-Methyl-4,6-dinitrophenol	ND	0.33	mg/Kg	04/05/2002 11:15	
N-Nitrosodiphenylamine	ND	0.067	mg/Kg	04/05/2002 11:15	
4-Bromophenyl phenyl ether	ND	0.17	mg/Kg	04/05/2002 11:15	
Hexachlorobenzene	ND	0.067	mg/Kg	04/05/2002 11:15	
Pentachlorophenol	ND	0.33	mg/Kg	04/05/2002 11:15	
Phenanthrene	ND	0.067	mg/Kg	04/05/2002 11:15	
Anthracene	ND	0.067	mg/Kg	04/05/2002 11:15	
Di-n-butyl phthalate	ND	0.17	mg/Kg	04/05/2002 11:15	
Fluoranthene	ND	0.067	mg/Kg	04/05/2002 11:15	
Pyrene	ND	0.067	mg/Kg	04/05/2002 11:15	
Butyl benzyl phthalate	ND	0.17	mg/Kg	04/05/2002 11:15	
3,3-Dichlorobenzidine	ND	0.17	mg/Kg	04/05/2002 11:15	
Benzo(a)anthracene	ND	0.067	mg/Kg	04/05/2002 11:15	
bis(2-Ethylhexyl) phthalate	ND	0.33	mg/Kg	04/05/2002 11:15	
Chrysene	ND	0.067	mg/Kg	04/05/2002 11:15	
Di-n-octyl phthalate	ND	0.17	mg/Kg	04/05/2002 11:15	
Benzo(b)fluoranthene	ND	0.067	mg/Kg	04/05/2002 11:15	
Benzo(k)fluoranthene	ND	0.067	mg/Kg	04/05/2002 11:15	
Benzo(a)pyrene	ND	0.067	mg/Kg	04/05/2002 11:15	
Indeno(1,2,3-c,d)pyrene	ND	0.067	mg/Kg	04/05/2002 11:15	
Dibenzo(a,h)anthracene	ND	0.067	mg/Kg	04/05/2002 11:15	
Benzo(g,h,i)perylene	ND	0.067	mg/Kg	04/05/2002 11:15	
Benzoic acid	ND	0.33	mg/Kg	04/05/2002 11:15	
Surrogate(s)					
Nitrobenzene-d5	76.7	23-120	%	04/05/2002 11:15	
2-Fluorobiphenyl	76.3	30-115	%	04/05/2002 11:15	
p-Terphenyl-d14	82.2	18-137	%	04/05/2002 11:15	
2-Fluorophenol	67.3	25-121	%	04/05/2002 11:15	
Phenol-d6	78.8	24-113	%	04/05/2002 11:15	
2,4,6-Tribromophenol	70.2	19-122	%	04/05/2002 11:15	

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 # 2002/04/04-02.11
 LCS: 2002/04/04-02.11-002 Extracted: 04/04/2002 14:46 Analyzed: 04/08/2002 11:57
 LCSD: 2002/04/04-02.11-003 Extracted: 04/04/2002 14:46 Analyzed: 04/08/2002 12:26

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Phenol	1.51	1.40	1.99	2.00	75.9	70.0	8.1	20-90	35		
2-Chlorophenol	1.64	1.52	1.99	2.00	82.4	76.0	8.1	27-123	35		
1,4-Dichlorobenzene	0.740	0.730	0.995	0.999	74.4	73.1	1.8	28-104	30		
N-Nitroso-di-n-propyla	0.890	0.860	0.995	0.999	89.4	86.1	3.8	25-114	39		
1,2,4-Trichlorobenzene	0.790	0.770	0.995	0.999	79.4	77.1	2.9	38-107	35		
4-Chloro-3-methylphen	1.61	1.62	1.99	2.00	80.9	81.0	0.1	26-103	33		
Acenaphthene	0.800	0.840	0.995	0.999	80.4	84.1	4.5	49-102	30		
4-Nitrophenol	2.01	2.04	1.99	2.00	101.0	102.0	1.0	17-109	35		
2,4-Dinitrotoluene	0.930	0.940	0.995	0.999	93.5	94.1	0.6	39-139	38		
Pentachlorophenol	1.63	1.75	1.99	2.00	81.9	87.5	6.6	11-114	35		
Pyrene	0.870	0.860	0.995	0.999	87.4	86.1	1.5	25-117	35		
Surrogate(s)											
Nitrobenzene-d5	17.6	17.6	25	25	70.2	70.4		23-120	0		
2-Fluorobiphenyl	19.8	19.4	25	25	79.0	77.4		30-115	0		
p-Terphenyl-d14	21.5	21.3	25	25	85.8	85.0		18-137	0		
2-Fluorophenol	35.6	33.5	50	50	71.2	66.9		25-121	0		
Phenol-d6	42.7	40.7	50	50	85.5	81.4		24-113	0		
2,4,6-Tribromophenol	42.9	43.7	50	50	85.7	87.4		19-122	0		

Submission #: 2002-03-0553

Semi-volatile analysis by GC/MS - EPA8270C

**SEVERN
TRENT
SERVICES**

Legend & Notes

Test Method: 8270C

Prep Method: 3550B/8270C

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Analysis Flags

lrm

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

CA DHS ELAP#2496

Analysis Flags

sdo

Surrogate(s) diluted out

Submission #: 2002-03-0553

Semi-volatile analysis by GC/MS - EPA8270C

SEVERN

TRENT

SERVICES

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01-201-A	Project: Port of Oakland 7th St.
Site Port of Oakland	

STL San Francisco
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Pleasanton, CA 94566

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www.chromalab.com

CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-9-GW	Water	03/27/2002 10:30	1
MFC-6-GW	Water	03/27/2002	4

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C

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CA DHS ELAP#1094

Sample ID: MFC-9-GW	Lab Sample ID: 2002-03-0553-001
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/29/2002 06:03
Sampled: 03/27/2002 10:30	QC-Batch: 2002/03/29-01.11
Matrix: Water	
Sample/Analysis Flag: In (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Bis(2-chloroethyl)ether	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2-Chlorophenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
1,3-Dichlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
1,4-Dichlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Benzyl alcohol	ND	6.0	ug/L	1.20	03/29/2002 16:54	
1,2-Dichlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2-Methylphenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Bis(2-chloroisopropyl) ether	ND	2.4	ug/L	1.20	03/29/2002 16:54	
4-Methylphenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
N-Nitroso-di-n-propylamine	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Hexachloroethane	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Nitrobenzene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Isophorone	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2-Nitrophenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2,4-Dimethylphenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Bis(2-chloroethoxy) methane	ND	6.0	ug/L	1.20	03/29/2002 16:54	
2,4-Dichlorophenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
1,2,4-Trichlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Naphthalene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
4-Chloroaniline	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Hexachlorobutadiene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
4-Chloro-3-methylphenol	ND	6.0	ug/L	1.20	03/29/2002 16:54	
2-Methylnaphthalene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Hexachlorocyclopentadiene	ND	6.0	ug/L	1.20	03/29/2002 16:54	
2,4,6-Trichlorophenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2,4,5-Trichlorophenol	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2-Chloronaphthalene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2-Nitroaniline	ND	12	ug/L	1.20	03/29/2002 16:54	
Dimethyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 16:54	
Acenaphthylene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
3-Nitroaniline	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Acenaphthene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2,4-Dinitrophenol	ND	12	ug/L	1.20	03/29/2002 16:54	
4-Nitrophenol	ND	12	ug/L	1.20	03/29/2002 16:54	
Dibenzofuran	ND	2.4	ug/L	1.20	03/29/2002 16:54	
2,4-Dinitrotoluene	ND	2.4	ug/L	1.20	03/29/2002 16:54	

Semi-volatile analysis by GC/MS - EPA8270C

Iris Environmental

Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C

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CA DHS ELAP#1094

Sample ID: MFC-9-GW	Lab Sample ID: 2002-03-0553-001
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/29/2002 06:03
Sampled: 03/27/2002 10:30	QC-Batch: 2002/03/29-01.11
Matrix: Water	
Sample/Analysis Flag: Im (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	6.0	ug/L	1.20	03/29/2002 16:54	
Diethyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 16:54	
4-Chlorophenyl phenyl ether	ND	6.0	ug/L	1.20	03/29/2002 16:54	
Fluorene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
4-Nitroaniline	ND	12	ug/L	1.20	03/29/2002 16:54	
2-Methyl-4,6-dinitrophenol	ND	12	ug/L	1.20	03/29/2002 16:54	
N-Nitrosodiphenylamine	ND	2.4	ug/L	1.20	03/29/2002 16:54	
4-Bromophenyl phenyl ether	ND	6.0	ug/L	1.20	03/29/2002 16:54	
Hexachlorobenzene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Pentachlorophenol	ND	12	ug/L	1.20	03/29/2002 16:54	
Phenanthrene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Anthracene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Di-n-butyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 16:54	
Fluoranthene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Pyrene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Butyl benzyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 16:54	
3,3-Dichlorobenzidine	ND	6.0	ug/L	1.20	03/29/2002 16:54	
Benzo(a)anthracene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
bis(2-Ethylhexyl) phthalate	ND	12	ug/L	1.20	03/29/2002 16:54	
Chrysene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Di-n-octyl phthalate	ND	6.0	ug/L	1.20	03/29/2002 16:54	
Benzo(b)fluoranthene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Benzo(k)fluoranthene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Benzo(a)pyrene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Indeno(1,2,3-c,d)pyrene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Dibenzo(a,h)anthracene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Benzo(g,h,i)perylene	ND	2.4	ug/L	1.20	03/29/2002 16:54	
Benzoic acid	ND	12	ug/L	1.20	03/29/2002 16:54	
Surrogate(s)						
Nitrobenzene-d5	84.2	35-114	%	1.20	03/29/2002 16:54	
2-Fluorobiphenyl	93.0	43-116	%	1.20	03/29/2002 16:54	
p-Terphenyl-d14	104.3	33-141	%	1.20	03/29/2002 16:54	
2-Fluorophenol	62.8	25-100	%	1.20	03/29/2002 16:54	
Phenol-d6	52.9	10-110	%	1.20	03/29/2002 16:54	
2,4,6-Tribromophenol	140.0	10-123	%	1.20	03/29/2002 16:54	sh

Semi-volatile analysis by GC/MS - EPA8270C

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Attn: Chris Alger

Test Method: 8270C

Prep Method: 3510C/8270C

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CA DHS ELAP#1094

Sample ID: MFC-6-GW	Lab Sample ID: 2002-03-0553-004
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/29/2002 06:03
Sampled: 03/27/2002	QC-Batch: 2002/03/29-01.11
Matrix: Water	
Sample/Analysis Flag: ,Isr (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2-Chlorophenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Benzyl alcohol	ND	5.0	ug/L	1.00	03/29/2002 17:29	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2-Methylphenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	03/29/2002 17:29	
4-Methylphenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Hexachloroethane	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Nitrobenzene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Isophorone	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2-Nitrophenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	03/29/2002 17:29	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Naphthalene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
4-Chloroaniline	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	03/29/2002 17:29	
2-Methylnaphthalene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	03/29/2002 17:29	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2-Nitroaniline	ND	10	ug/L	1.00	03/29/2002 17:29	
Dimethyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 17:29	
Acenaphthylene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
3-Nitroaniline	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Acenaphthene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2,4-Dinitrophenol	ND	10	ug/L	1.00	03/29/2002 17:29	
4-Nitrophenol	ND	10	ug/L	1.00	03/29/2002 17:29	
Dibenzofuran	ND	2.0	ug/L	1.00	03/29/2002 17:29	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	03/29/2002 17:29	

Semi-volatile analysis by GC/MS - EPA8270C

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Test Method: 8270C

Attn: Chris Alger

Prep Method: 3510C/8270C

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CA DHS ELAP#1094

Sample ID: MFC-6-GW	Lab Sample ID: 2002-03-0553-004
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 03/29/2002 06:03
Sampled: 03/27/2002	QC-Batch: 2002/03/29-01.11
Matrix: Water	
Sample/Analysis Flag: .Isr (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	03/29/2002 17:29	
Diethyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 17:29	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	03/29/2002 17:29	
Fluorene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
4-Nitroaniline	ND	10	ug/L	1.00	03/29/2002 17:29	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	03/29/2002 17:29	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	03/29/2002 17:29	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	03/29/2002 17:29	
Hexachlorobenzene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Pentachlorophenol	ND	10	ug/L	1.00	03/29/2002 17:29	
Phenanthrene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Anthracene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 17:29	
Fluoranthene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Pyrene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 17:29	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	03/29/2002 17:29	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	03/29/2002 17:29	
Chrysene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	03/29/2002 17:29	
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	03/29/2002 17:29	
Benzoic acid	ND	10	ug/L	1.00	03/29/2002 17:29	
Surrogate(s)						
Nitrobenzene-d5	NA	35-114	%	1.00	03/29/2002 17:29	
2-Fluorobiphenyl	NA	43-116	%	1.00	03/29/2002 17:29	
p-Terphenyl-d14	NA	33-141	%	1.00	03/29/2002 17:29	
2-Fluorophenol	NA	25-100	%	1.00	03/29/2002 17:29	
Phenol-d6	NA	10-110	%	1.00	03/29/2002 17:29	
2,4,6-Tribromophenol	NA	10-123	%	1.00	03/29/2002 17:29	

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 # 2002/03/29-01.11

MB: 2002/03/29-01.11-003

Date Extracted: 03/29/2002 06:03

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	03/29/2002 10:48	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	03/29/2002 10:48	
2-Chlorophenol	ND	2.0	ug/L	03/29/2002 10:48	
1,3-Dichlorobenzene	ND	2.0	ug/L	03/29/2002 10:48	
1,4-Dichlorobenzene	ND	2.0	ug/L	03/29/2002 10:48	
Benzyl alcohol	ND	5.0	ug/L	03/29/2002 10:48	
1,2-Dichlorobenzene	ND	2.0	ug/L	03/29/2002 10:48	
2-Methylphenol	ND	2.0	ug/L	03/29/2002 10:48	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	03/29/2002 10:48	
4-Methylphenol	ND	2.0	ug/L	03/29/2002 10:48	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	03/29/2002 10:48	
Hexachloroethane	ND	2.0	ug/L	03/29/2002 10:48	
Nitrobenzene	ND	2.0	ug/L	03/29/2002 10:48	
Isophorone	ND	2.0	ug/L	03/29/2002 10:48	
2-Nitrophenol	ND	2.0	ug/L	03/29/2002 10:48	
2,4-Dimethylphenol	ND	2.0	ug/L	03/29/2002 10:48	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	03/29/2002 10:48	
2,4-Dichlorophenol	ND	2.0	ug/L	03/29/2002 10:48	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	03/29/2002 10:48	
Naphthalene	ND	2.0	ug/L	03/29/2002 10:48	
4-Chloroaniline	ND	2.0	ug/L	03/29/2002 10:48	
Hexachlorobutadiene	ND	2.0	ug/L	03/29/2002 10:48	
4-Chloro-3-methylphenol	ND	5.0	ug/L	03/29/2002 10:48	
2-Methylnaphthalene	ND	2.0	ug/L	03/29/2002 10:48	
Hexachlorocyclopentadiene	ND	5.0	ug/L	03/29/2002 10:48	
2,4,6-Trichlorophenol	ND	2.0	ug/L	03/29/2002 10:48	
2,4,5-Trichlorophenol	ND	2.0	ug/L	03/29/2002 10:48	
2-Chloronaphthalene	ND	2.0	ug/L	03/29/2002 10:48	
2-Nitroaniline	ND	10	ug/L	03/29/2002 10:48	
Dimethyl phthalate	ND	5.0	ug/L	03/29/2002 10:48	
Acenaphthylene	ND	2.0	ug/L	03/29/2002 10:48	
3-Nitroaniline	ND	2.0	ug/L	03/29/2002 10:48	
Acenaphthene	ND	2.0	ug/L	03/29/2002 10:48	
2,4-Dinitrophenol	ND	10	ug/L	03/29/2002 10:48	
4-Nitrophenol	ND	10	ug/L	03/29/2002 10:48	
Dibenzofuran	ND	2.0	ug/L	03/29/2002 10:48	
2,4-Dinitrotoluene	ND	2.0	ug/L	03/29/2002 10:48	
2,6-Dinitrotoluene	ND	5.0	ug/L	03/29/2002 10:48	
Diethyl phthalate	ND	5.0	ug/L	03/29/2002 10:48	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	03/29/2002 10:48	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3510C/8270C

 STL San Francisco
 1220 Quarry Lane
 Pleasanton, CA 94566

Method Blank

Water

QC Batch # 2002/03/29-01.11

MB: 2002/03/29-01.11-003

Date Extracted: 03/29/2002 06:03

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Fluorene	ND	2.0	ug/L	03/29/2002 10:48	
4-Nitroaniline	ND	10	ug/L	03/29/2002 10:48	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	03/29/2002 10:48	
N-Nitrosodiphenylamine	ND	2.0	ug/L	03/29/2002 10:48	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	03/29/2002 10:48	
Hexachlorobenzene	ND	2.0	ug/L	03/29/2002 10:48	
Pentachlorophenol	ND	10	ug/L	03/29/2002 10:48	
Phenanthrene	ND	2.0	ug/L	03/29/2002 10:48	
Anthracene	ND	2.0	ug/L	03/29/2002 10:48	
Di-n-butyl phthalate	ND	5.0	ug/L	03/29/2002 10:48	
Fluoranthene	ND	2.0	ug/L	03/29/2002 10:48	
Pyrene	ND	2.0	ug/L	03/29/2002 10:48	
Butyl benzyl phthalate	ND	5.0	ug/L	03/29/2002 10:48	
3,3-Dichlorobenzidine	ND	5.0	ug/L	03/29/2002 10:48	
Benzo(a)anthracene	ND	2.0	ug/L	03/29/2002 10:48	
bis(2-Ethylhexyl) phthalate	ND	10.0	ug/L	03/29/2002 10:48	
Chrysene	ND	2.0	ug/L	03/29/2002 10:48	
Di-n-octyl phthalate	ND	5.0	ug/L	03/29/2002 10:48	
Benzo(b)fluoranthene	ND	2.0	ug/L	03/29/2002 10:48	
Benzo(k)fluoranthene	ND	2.0	ug/L	03/29/2002 10:48	
Benzo(a)pyrene	ND	2.0	ug/L	03/29/2002 10:48	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	03/29/2002 10:48	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	03/29/2002 10:48	
Benzo(g,h,i)perylene	ND	2.0	ug/L	03/29/2002 10:48	
Benzoic acid	ND	10	ug/L	03/29/2002 10:48	
Surrogate(s)					
Nitrobenzene-d5	91.5	35-114	%	03/29/2002 10:48	
2-Fluorobiphenyl	80.8	43-116	%	03/29/2002 10:48	
p-Terphenyl-d14	65.8	33-141	%	03/29/2002 10:48	
2-Fluorophenol	54.9	25-100	%	03/29/2002 10:48	
Phenol-d6	45.8	10-110	%	03/29/2002 10:48	
2,4,6-Tribromophenol	114.6	10-123	%	03/29/2002 10:48	

Semi-volatile analysis by GC/MS - EPA8270C

Batch QC report

Test Method: 8270C

Prep Method: 3510C/8270C

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/29-01.11
 LCS: 2002/03/29-01.11-004 Extracted: 03/29/2002 06:03 Analyzed: 03/29/2002 11:23
 LCSD: 2002/03/29-01.11-005 Extracted: 03/29/2002 06:03 Analyzed: 03/29/2002 11:58

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Phenol	18.2	18.4	60.0	60.0	30.3	30.7	1.3	12-89	35		
2-Chlorophenol	39.2	39.5	60.0	60.0	65.3	65.8	0.8	23-134	25		
1,4-Dichlorobenzene	16.4	16.7	30.0	30.0	54.7	55.7	1.8	36-97	30		
N-Nitroso-di-n-propyla	23.3	25.6	30.0	30.0	77.7	85.3	9.3	10-130	34		
1,2,4-Trichlorobenzene	16.0	16.2	30.0	30.0	53.3	54.0	1.3	44-142	35		
4-Chloro-3-methylphen	41.3	43.7	60.0	60.0	68.8	72.8	5.6	22-147	31		
Acenaphthene	21.3	21.0	30.0	30.0	71.0	70.0	1.4	56-118	30		
4-Nitrophenol	20.7	23.4	60.0	60.0	34.5	39.0	12.2	1-132	35		
2,4-Dinitrotoluene	21.6	23.7	30.0	30.0	72.0	79.0	9.3	39-139	35		
Pentachlorophenol	42.9	45.9	60.0	60.0	71.5	76.5	6.8	45-125	35		
Pyrene	20.8	23.0	30.0	30.0	69.3	76.7	10.1	52-115	35		
Surrogate(s)											
Nitrobenzene-d5	21.8	23.8	25	25	87.2	95.2		35-114			
2-Fluorobiphenyl	22.7	22.2	25	25	90.8	88.7		43-116			
p-Terphenyl-d14	15.8	17.4	25	25	63.2	69.7		33-141			
2-Fluorophenol	29.6	29.3	50	50	59.2	58.5		25-100			
Phenol-d6	22.2	22.2	50	50	44.4	44.5		10-110			
2,4,6-Tribromophenol	55.3	60.5	50	50	110.6	121.0		10-123			

Submission #: 2002-03-0553

**SEVERN
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SERVICES**

Semi-volatile analysis by GC/MS - EPA8270C

Legend & Notes

Test Method: 8270C

Prep Method: 3510C/8270C

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CA DHS ELAP#1094

Analysis Notes

MFC-6-GW (Lab# 2002-03-0553-004)

Isr = Estimated results due to low surrogates recoveries.

Analysis Flags

lm

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

Analyte Flags

sh

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

CAM 17 Metals

Iris Environmental

☐ 1615 Broadway, Suite 1003
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Attn: Chris Alger

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

01-201-A

Project: Port of Oakland 7th St.

SitePort of Oakland

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-26-1.5-2.0	Soil	03/27/2002 15:25	5
MFC-26-5.0-5.5	Soil	03/27/2002 15:25	6
MFC-26-7.5-8.0	Soil	03/27/2002 15:25	7
MFC-46-7.0-7.5	Soil	03/27/2002 11:45	8
MFC-46-4.0-4.5	Soil	03/27/2002 11:30	9
MFC-24-4.0-4.5	Soil	03/27/2002 08:20	10
MFC-24-1.5-2.0	Soil	03/27/2002 07:50	11
MFC-30-1.5-2.0	Soil	03/27/2002 10:00	12
MFC-27-1.5-2.0	Soil	03/27/2002 08:45	13
MFC-27-4.5-5.0	Soil	03/27/2002 08:50	14
MFC-28-5.0-5.5	Soil	03/27/2002 09:25	15
MFC-28-1.0-1.5	Soil	03/27/2002 09:15	16
MFC-20-4.0-4.5	Soil	03/27/2002 13:25	17
MFC-20-7.0-7.5	Soil	03/27/2002 14:10	18
MFC-3-4.5-5.0	Soil	03/27/2002 13:35	20
MFC-3-7.5-8.0	Soil	03/27/2002 13:40	21
MFC-3-1.5-2.0	Soil	03/27/2002 13:20	22
MFC-10-5.0-5.5	Soil	03/27/2002 14:25	23
MFC-10-1.5-2.0	Soil	03/27/2002 14:15	24
MFC-2-4.5-5.0	Soil	03/27/2002	25
MFC-2-1.5-2.0	Soil	03/27/2002 12:50	26
MFC-2-5.5-6.0	Soil	03/27/2002 13:00	27
MFC-11-4.0-4.5	Soil	03/27/2002 10:13	28
MFC-11-1.5-2.0	Soil	03/27/2002 10:07	29
MFC-1-1.0-1.5	Soil	03/27/2002 10:40	30
MFC-1-2.0-2.5	Soil	03/27/2002 10:42	31
MFC-1-4.0-4.5	Soil	03/27/2002 10:46	32
MFC-4-8.5-9.0	Soil	03/26/2002 17:08	35
MFC-4-11.0-11.5	Soil	03/26/2002 17:20	36
MFC-4-5.0-5.5	Soil	03/26/2002 17:05	37
MFC-12-4.0-4.5	Soil	03/26/2002 09:13	38
MFC-12-1.5-2.0	Soil	03/26/2002 09:09	39
MFC-13-3.0-3.5	Soil	03/27/2002 08:17	40
MFC-13-1.5-2.0	Soil	03/26/2002 08:15	41

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-26-1.5-2.0	Lab Sample ID: 2002-03-0553-005
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/04-05.16 2002/04/04-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 13:36	
Arsenic	2.7	1.0	mg/Kg	1.00	04/04/2002 13:36	
Barium	56	1.0	mg/Kg	1.00	04/04/2002 13:36	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 13:36	
Cadmium	1.8	0.50	mg/Kg	1.00	04/04/2002 13:36	
Chromium	35	1.0	mg/Kg	1.00	04/04/2002 13:36	
Cobalt	6.5	1.0	mg/Kg	1.00	04/04/2002 13:36	
Copper	9.6	1.0	mg/Kg	1.00	04/04/2002 13:36	
Lead	3.4	1.0	mg/Kg	1.00	04/04/2002 13:36	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 13:36	
Nickel	50	1.0	mg/Kg	1.00	04/04/2002 13:36	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 13:36	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 13:36	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 13:36	
Vanadium	20	1.0	mg/Kg	1.00	04/04/2002 13:36	
Zinc	23	1.0	mg/Kg	1.00	04/04/2002 13:36	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 13:31	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-26-5.0-5.5	Lab Sample ID: 2002-03-0553-006
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/04-02.15 2002/04/04-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 13:40	
Arsenic	4.9	1.0	mg/Kg	1.00	04/04/2002 13:40	
Barium	73	1.0	mg/Kg	1.00	04/04/2002 13:40	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 13:40	
Cadmium	2.8	0.50	mg/Kg	1.00	04/04/2002 13:40	
Chromium	4.2	1.0	mg/Kg	1.00	04/04/2002 13:40	
Cobalt	7.1	1.0	mg/Kg	1.00	04/04/2002 13:40	
Copper	32	1.0	mg/Kg	1.00	04/04/2002 13:40	
Lead	1.2	1.0	mg/Kg	1.00	04/04/2002 13:40	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 13:40	
Nickel	3.2	1.0	mg/Kg	1.00	04/04/2002 13:40	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 13:40	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 13:40	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 13:40	
Vanadium	60	1.0	mg/Kg	1.00	04/04/2002 13:40	
Zinc	25	1.0	mg/Kg	1.00	04/04/2002 13:40	
Mercury	0.30	0.050	mg/Kg	1.00	04/05/2002 13:32	



CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-26-7.5-8.0	Lab Sample ID: 2002-03-0553-007
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/04-02.15 2002/04/04-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 13:44	
Arsenic	3.2	1.0	mg/Kg	1.00	04/04/2002 13:44	
Barium	63	1.0	mg/Kg	1.00	04/04/2002 13:44	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 13:44	
Cadmium	1.7	0.50	mg/Kg	1.00	04/04/2002 13:44	
Chromium	33	1.0	mg/Kg	1.00	04/04/2002 13:44	
Cobalt	4.9	1.0	mg/Kg	1.00	04/04/2002 13:44	
Copper	8.7	1.0	mg/Kg	1.00	04/04/2002 13:44	
Lead	2.3	1.0	mg/Kg	1.00	04/04/2002 13:44	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 13:44	
Nickel	34	1.0	mg/Kg	1.00	04/04/2002 13:44	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 13:44	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 13:44	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 13:44	
Vanadium	20	1.0	mg/Kg	1.00	04/04/2002 13:44	
Zinc	18	1.0	mg/Kg	1.00	04/04/2002 13:44	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 13:33	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
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CA DHS ELAP#1094

Sample ID: MFC-46-7.0-7.5	Lab Sample ID: 2002-03-0553-008
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 11:45	QC-Batch: 2002/04/04-05.16 2002/04/04-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 13:48	
Arsenic	2.6	1.0	mg/Kg	1.00	04/04/2002 13:48	
Barium	38	1.0	mg/Kg	1.00	04/04/2002 13:48	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 13:48	
Cadmium	1.5	0.50	mg/Kg	1.00	04/04/2002 13:48	
Chromium	25	1.0	mg/Kg	1.00	04/04/2002 13:48	
Cobalt	4.7	1.0	mg/Kg	1.00	04/04/2002 13:48	
Copper	10	1.0	mg/Kg	1.00	04/04/2002 13:48	
Lead	19	1.0	mg/Kg	1.00	04/04/2002 13:48	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 13:48	
Nickel	24	1.0	mg/Kg	1.00	04/04/2002 13:48	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 13:48	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 13:48	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 13:48	
Vanadium	17	1.0	mg/Kg	1.00	04/04/2002 13:48	
Zinc	40	1.0	mg/Kg	1.00	04/04/2002 13:48	
Mercury	0.052	0.050	mg/Kg	1.00	04/05/2002 13:34	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-46-4.0-4.5	Lab Sample ID: 2002-03-0553-009
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 11:30	QC-Batch: 2002/04/04-02.15 2002/04/04-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 13:51	
Arsenic	3.2	1.0	mg/Kg	1.00	04/04/2002 13:51	
Barium	46	1.0	mg/Kg	1.00	04/04/2002 13:51	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 13:51	
Cadmium	2.0	0.50	mg/Kg	1.00	04/04/2002 13:51	
Chromium	17	1.0	mg/Kg	1.00	04/04/2002 13:51	
Cobalt	4.3	1.0	mg/Kg	1.00	04/04/2002 13:51	
Copper	6.9	1.0	mg/Kg	1.00	04/04/2002 13:51	
Lead	7.0	1.0	mg/Kg	1.00	04/04/2002 13:51	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 13:51	
Nickel	19	1.0	mg/Kg	1.00	04/04/2002 13:51	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 13:51	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 13:51	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 13:51	
Vanadium	12	1.0	mg/Kg	1.00	04/04/2002 13:51	
Zinc	40	1.0	mg/Kg	1.00	04/04/2002 13:51	
Mercury	0.17	0.050	mg/Kg	1.00	04/05/2002 13:35	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
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CA DHS ELAP#1094

Sample ID: MFC-24-4.0-4.5	Lab Sample ID: 2002-03-0553-010
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 08:20	QC-Batch: 2002/04/04-05.16 2002/04/04-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 13:55	
Arsenic	18	1.0	mg/Kg	1.00	04/04/2002 13:55	
Barium	74	1.0	mg/Kg	1.00	04/04/2002 13:55	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 13:55	
Cadmium	2.6	0.50	mg/Kg	1.00	04/04/2002 13:55	
Chromium	31	1.0	mg/Kg	1.00	04/04/2002 13:55	
Cobalt	7.3	1.0	mg/Kg	1.00	04/04/2002 13:55	
Copper	45	1.0	mg/Kg	1.00	04/04/2002 13:55	
Lead	73	1.0	mg/Kg	1.00	04/04/2002 13:55	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 13:55	
Nickel	44	1.0	mg/Kg	1.00	04/04/2002 13:55	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 13:55	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 13:55	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 13:55	
Vanadium	30	1.0	mg/Kg	1.00	04/04/2002 13:55	
Zinc	67	1.0	mg/Kg	1.00	04/04/2002 13:55	
Mercury	0.077	0.050	mg/Kg	1.00	04/05/2002 13:37	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-24-1.5-2.0	Lab Sample ID: 2002-03-0553-011
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 07:50	QC-Batch: 2002/04/04-05.16 2002/04/04-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 13:59	
Arsenic	7.0	1.0	mg/Kg	1.00	04/04/2002 13:59	
Barium	32	1.0	mg/Kg	1.00	04/04/2002 13:59	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 13:59	
Cadmium	1.9	0.50	mg/Kg	1.00	04/04/2002 13:59	
Chromium	32	1.0	mg/Kg	1.00	04/04/2002 13:59	
Cobalt	7.7	1.0	mg/Kg	1.00	04/04/2002 13:59	
Copper	39	1.0	mg/Kg	1.00	04/04/2002 13:59	
Lead	36	1.0	mg/Kg	1.00	04/04/2002 13:59	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 13:59	
Nickel	33	1.0	mg/Kg	1.00	04/04/2002 13:59	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 13:59	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 13:59	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 13:59	
Vanadium	22	1.0	mg/Kg	1.00	04/04/2002 13:59	
Zinc	35	1.0	mg/Kg	1.00	04/04/2002 13:59	
Mercury	0.081	0.050	mg/Kg	1.00	04/05/2002 13:38	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-30-1.5-2.0	Lab Sample ID: 2002-03-0553-012
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 10:00	QC-Batch: 2002/04/04-02.15 2002/04/04-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 14:21	
Arsenic	9.7	1.0	mg/Kg	1.00	04/04/2002 14:21	
Barium	34	1.0	mg/Kg	1.00	04/04/2002 14:21	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 14:21	
Cadmium	1.6	0.50	mg/Kg	1.00	04/04/2002 14:21	
Chromium	27	1.0	mg/Kg	1.00	04/04/2002 14:21	
Cobalt	5.2	1.0	mg/Kg	1.00	04/04/2002 14:21	
Copper	15	1.0	mg/Kg	1.00	04/04/2002 14:21	
Lead	38	1.0	mg/Kg	1.00	04/04/2002 14:21	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 14:21	
Nickel	25	1.0	mg/Kg	1.00	04/04/2002 14:21	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 14:21	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 14:21	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 14:21	
Vanadium	19	1.0	mg/Kg	1.00	04/04/2002 14:21	
Zinc	38	1.0	mg/Kg	1.00	04/04/2002 14:21	
Mercury	0.070	0.050	mg/Kg	1.00	04/05/2002 13:42	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-27-1.5-2.0	Lab Sample ID: 2002-03-0553-013
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 09:28
Sampled: 03/27/2002 08:45	QC-Batch: 2002/04/04-02.15 2002/04/04-05.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	22	2.0	mg/Kg	1.00	04/04/2002 14:25	
Arsenic	24	1.0	mg/Kg	1.00	04/04/2002 14:25	
Barium	87	1.0	mg/Kg	1.00	04/04/2002 14:25	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 14:25	
Cadmium	9.7	0.50	mg/Kg	1.00	04/04/2002 14:25	
Chromium	20	1.0	mg/Kg	1.00	04/04/2002 14:25	
Cobalt	9.2	1.0	mg/Kg	1.00	04/04/2002 14:25	
Copper	280	1.0	mg/Kg	1.00	04/04/2002 14:25	
Lead	350	1.0	mg/Kg	1.00	04/04/2002 14:25	
Molybdenum	1.5	1.0	mg/Kg	1.00	04/04/2002 14:25	
Nickel	42	1.0	mg/Kg	1.00	04/04/2002 14:25	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 14:25	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 14:25	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 14:25	
Vanadium	26	1.0	mg/Kg	1.00	04/04/2002 14:25	
Zinc	61	1.0	mg/Kg	1.00	04/04/2002 14:25	
Mercury	0.27	0.050	mg/Kg	1.00	04/05/2002 13:43	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-27-4.5-5.0	Lab Sample ID: 2002-03-0553-014
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 08:50	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 17:01	
Arsenic	6.1	1.0	mg/Kg	1.00	04/04/2002 17:01	
Barium	130	1.0	mg/Kg	1.00	04/04/2002 17:01	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 17:01	
Cadmium	2.4	0.50	mg/Kg	1.00	04/04/2002 17:01	
Chromium	34	1.0	mg/Kg	1.00	04/04/2002 17:01	
Cobalt	10	1.0	mg/Kg	1.00	04/04/2002 17:01	
Copper	16	1.0	mg/Kg	1.00	04/04/2002 17:01	
Lead	6.0	1.0	mg/Kg	1.00	04/04/2002 17:01	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 17:01	
Nickel	50	1.0	mg/Kg	1.00	04/04/2002 17:01	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 17:01	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 17:01	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 17:01	
Vanadium	45	1.0	mg/Kg	1.00	04/04/2002 17:01	
Zinc	25	1.0	mg/Kg	1.00	04/04/2002 17:01	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:19	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-28-5.0-5.5	Lab Sample ID: 2002-03-0553-015
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 09:25	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 15:01	
Arsenic	3.9	1.0	mg/Kg	1.00	04/04/2002 15:01	
Barium	86	1.0	mg/Kg	1.00	04/04/2002 15:01	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 15:01	
Cadmium	1.9	0.50	mg/Kg	1.00	04/04/2002 15:01	
Chromium	36	1.0	mg/Kg	1.00	04/04/2002 15:01	
Cobalt	6.1	1.0	mg/Kg	1.00	04/04/2002 15:01	
Copper	10	1.0	mg/Kg	1.00	04/04/2002 15:01	
Lead	4.7	1.0	mg/Kg	1.00	04/04/2002 15:01	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 15:01	
Nickel	42	1.0	mg/Kg	1.00	04/04/2002 15:01	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 15:01	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 15:01	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 15:01	
Vanadium	23	1.0	mg/Kg	1.00	04/04/2002 15:01	
Zinc	24	1.0	mg/Kg	1.00	04/04/2002 15:01	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 13:49	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-28-1.0-1.5	Lab Sample ID: 2002-03-0553-016
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 09:15	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 15:34	
Arsenic	9.3	1.0	mg/Kg	1.00	04/04/2002 15:34	
Barium	67	1.0	mg/Kg	1.00	04/04/2002 15:34	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 15:34	
Cadmium	4.6	0.50	mg/Kg	1.00	04/04/2002 15:34	
Chromium	11	1.0	mg/Kg	1.00	04/04/2002 15:34	
Cobalt	11	1.0	mg/Kg	1.00	04/04/2002 15:34	
Copper	38	1.0	mg/Kg	1.00	04/04/2002 15:34	
Lead	3.9	1.0	mg/Kg	1.00	04/04/2002 15:34	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 15:34	
Nickel	10	1.0	mg/Kg	1.00	04/04/2002 15:34	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 15:34	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 15:34	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 15:34	
Vanadium	66	1.0	mg/Kg	1.00	04/04/2002 15:34	
Zinc	41	1.0	mg/Kg	1.00	04/04/2002 15:34	
Mercury	0.25	0.050	mg/Kg	1.00	04/05/2002 13:52	



CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-20-4.0-4.5	Lab Sample ID: 2002-03-0553-017
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 13:25	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 15:38	
Arsenic	2.6	1.0	mg/Kg	1.00	04/04/2002 15:38	
Barium	37	1.0	mg/Kg	1.00	04/04/2002 15:38	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 15:38	
Cadmium	1.2	0.50	mg/Kg	1.00	04/04/2002 15:38	
Chromium	24	1.0	mg/Kg	1.00	04/04/2002 15:38	
Cobalt	4.6	1.0	mg/Kg	1.00	04/04/2002 15:38	
Copper	13	1.0	mg/Kg	1.00	04/04/2002 15:38	
Lead	11	1.0	mg/Kg	1.00	04/04/2002 15:38	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 15:38	
Nickel	23	1.0	mg/Kg	1.00	04/04/2002 15:38	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 15:38	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 15:38	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 15:38	
Vanadium	15	1.0	mg/Kg	1.00	04/04/2002 15:38	
Zinc	28	1.0	mg/Kg	1.00	04/04/2002 15:38	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 13:56	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-20-7.0-7.5	Lab Sample ID: 2002-03-0553-018
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 14:10	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	8.2	2.0	mg/Kg	1.00	04/04/2002 15:42	
Arsenic	880	1.0	mg/Kg	1.00	04/04/2002 15:42	
Barium	110	1.0	mg/Kg	1.00	04/04/2002 15:42	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 15:42	
Cadmium	14	0.50	mg/Kg	1.00	04/04/2002 15:42	
Chromium	25	1.0	mg/Kg	1.00	04/04/2002 15:42	
Cobalt	9.2	1.0	mg/Kg	1.00	04/04/2002 15:42	
Copper	220	1.0	mg/Kg	1.00	04/04/2002 15:42	
Lead	150	1.0	mg/Kg	1.00	04/04/2002 15:42	
Molybdenum	1.3	1.0	mg/Kg	1.00	04/04/2002 15:42	
Nickel	37	1.0	mg/Kg	1.00	04/04/2002 15:42	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 15:42	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 15:42	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 15:42	
Vanadium	15	1.0	mg/Kg	1.00	04/04/2002 15:42	
Zinc	600	1.0	mg/Kg	1.00	04/04/2002 15:42	
Mercury	0.15	0.050	mg/Kg	1.00	04/05/2002 13:57	



CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-3-4.5-5.0	Lab Sample ID: 2002-03-0553-020
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 13:35	QC-Batch: 2002/04/04-06.15 2002/04/04-08.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 15:46	
Arsenic	22	1.0	mg/Kg	1.00	04/04/2002 15:46	
Barium	43	1.0	mg/Kg	1.00	04/04/2002 15:46	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 15:46	
Cadmium	1.9	0.50	mg/Kg	1.00	04/04/2002 15:46	
Chromium	31	1.0	mg/Kg	1.00	04/04/2002 15:46	
Cobalt	5.2	1.0	mg/Kg	1.00	04/04/2002 15:46	
Copper	20	1.0	mg/Kg	1.00	04/04/2002 15:46	
Lead	8.5	1.0	mg/Kg	1.00	04/04/2002 15:46	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 15:46	
Nickel	30	1.0	mg/Kg	1.00	04/04/2002 15:46	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 15:46	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 15:46	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 15:46	
Vanadium	23	1.0	mg/Kg	1.00	04/04/2002 15:46	
Zinc	42	1.0	mg/Kg	1.00	04/04/2002 15:46	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 13:58	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-3-7.5-8.0	Lab Sample ID: 2002-03-0553-021
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 13:40	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 15:50	
Arsenic	3.4	1.0	mg/Kg	1.00	04/04/2002 15:50	
Barium	84	1.0	mg/Kg	1.00	04/04/2002 15:50	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 15:50	
Cadmium	1.9	0.50	mg/Kg	1.00	04/04/2002 15:50	
Chromium	34	1.0	mg/Kg	1.00	04/04/2002 15:50	
Cobalt	6.8	1.0	mg/Kg	1.00	04/04/2002 15:50	
Copper	11	1.0	mg/Kg	1.00	04/04/2002 15:50	
Lead	3.4	1.0	mg/Kg	1.00	04/04/2002 15:50	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 15:50	
Nickel	52	1.0	mg/Kg	1.00	04/04/2002 15:50	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 15:50	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 15:50	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 15:50	
Vanadium	23	1.0	mg/Kg	1.00	04/04/2002 15:50	
Zinc	23	1.0	mg/Kg	1.00	04/04/2002 15:50	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:00	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-3-1.5-2.0	Lab Sample ID: 2002-03-0553-022
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 13:20	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 15:53	
Arsenic	2.9	1.0	mg/Kg	1.00	04/04/2002 15:53	
Barium	120	1.0	mg/Kg	1.00	04/04/2002 15:53	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 15:53	
Cadmium	2.1	0.50	mg/Kg	1.00	04/04/2002 15:53	
Chromium	11	1.0	mg/Kg	1.00	04/04/2002 15:53	
Cobalt	5.3	1.0	mg/Kg	1.00	04/04/2002 15:53	
Copper	15	1.0	mg/Kg	1.00	04/04/2002 15:53	
Lead	7.9	1.0	mg/Kg	1.00	04/04/2002 15:53	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 15:53	
Nickel	16	1.0	mg/Kg	1.00	04/04/2002 15:53	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 15:53	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 15:53	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 15:53	
Vanadium	21	1.0	mg/Kg	1.00	04/04/2002 15:53	
Zinc	28	1.0	mg/Kg	1.00	04/04/2002 15:53	
Mercury	0.18	0.050	mg/Kg	1.00	04/05/2002 14:01	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-10-5.0-5.5	Lab Sample ID: 2002-03-0553-023
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 14:25	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 15:57	
Arsenic	6.1	1.0	mg/Kg	1.00	04/04/2002 15:57	
Barium	180	1.0	mg/Kg	1.00	04/04/2002 15:57	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 15:57	
Cadmium	2.0	0.50	mg/Kg	1.00	04/04/2002 15:57	
Chromium	38	1.0	mg/Kg	1.00	04/04/2002 15:57	
Cobalt	6.2	1.0	mg/Kg	1.00	04/04/2002 15:57	
Copper	11	1.0	mg/Kg	1.00	04/04/2002 15:57	
Lead	4.3	1.0	mg/Kg	1.00	04/04/2002 15:57	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 15:57	
Nickel	34	1.0	mg/Kg	1.00	04/04/2002 15:57	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 15:57	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 15:57	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 15:57	
Vanadium	35	1.0	mg/Kg	1.00	04/04/2002 15:57	
Zinc	25	1.0	mg/Kg	1.00	04/04/2002 15:57	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:02	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-10-1.5-2.0	Lab Sample ID: 2002-03-0553-024
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 14:15	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 16:01	
Arsenic	8.4	1.0	mg/Kg	1.00	04/04/2002 16:01	
Barium	110	1.0	mg/Kg	1.00	04/04/2002 16:01	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:01	
Cadmium	1.8	0.50	mg/Kg	1.00	04/04/2002 16:01	
Chromium	18	1.0	mg/Kg	1.00	04/04/2002 16:01	
Cobalt	4.9	1.0	mg/Kg	1.00	04/04/2002 16:01	
Copper	18	1.0	mg/Kg	1.00	04/04/2002 16:01	
Lead	19	1.0	mg/Kg	1.00	04/04/2002 16:01	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:01	
Nickel	24	1.0	mg/Kg	1.00	04/04/2002 16:01	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:01	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:01	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:01	
Vanadium	17	1.0	mg/Kg	1.00	04/04/2002 16:01	
Zinc	37	1.0	mg/Kg	1.00	04/04/2002 16:01	
Mercury	0.23	0.050	mg/Kg	1.00	04/05/2002 14:03	

Submission #: 2002-03-0553

CAM 17 Metals

Iris Environmental

Attn: Chris Alger

Test Method: 6010B
7471A

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-2-4.5-5.0	Lab Sample ID: 2002-03-0553-025
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 16:05	
Arsenic	3.5	1.0	mg/Kg	1.00	04/04/2002 16:05	
Barium	92	1.0	mg/Kg	1.00	04/04/2002 16:05	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:05	
Cadmium	2.0	0.50	mg/Kg	1.00	04/04/2002 16:05	
Chromium	34	1.0	mg/Kg	1.00	04/04/2002 16:05	
Cobalt	7.1	1.0	mg/Kg	1.00	04/04/2002 16:05	
Copper	13	1.0	mg/Kg	1.00	04/04/2002 16:05	
Lead	6.1	1.0	mg/Kg	1.00	04/04/2002 16:05	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:05	
Nickel	44	1.0	mg/Kg	1.00	04/04/2002 16:05	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:05	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:05	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:05	
Vanadium	19	1.0	mg/Kg	1.00	04/04/2002 16:05	
Zinc	44	1.0	mg/Kg	1.00	04/04/2002 16:05	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:05	



CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-2-1.5-2.0	Lab Sample ID: 2002-03-0553-026
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 12:50	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	3.9	2.0	mg/Kg	1.00	04/04/2002 16:27	
Arsenic	97	1.0	mg/Kg	1.00	04/04/2002 16:27	
Barium	69	1.0	mg/Kg	1.00	04/04/2002 16:27	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:27	
Cadmium	3.3	0.50	mg/Kg	1.00	04/04/2002 16:27	
Chromium	25	1.0	mg/Kg	1.00	04/04/2002 16:27	
Cobalt	14	1.0	mg/Kg	1.00	04/04/2002 16:27	
Copper	60	1.0	mg/Kg	1.00	04/04/2002 16:27	
Lead	61	1.0	mg/Kg	1.00	04/04/2002 16:27	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:27	
Nickel	39	1.0	mg/Kg	1.00	04/04/2002 16:27	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:27	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:27	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:27	
Vanadium	19	1.0	mg/Kg	1.00	04/04/2002 16:27	
Zinc	49	1.0	mg/Kg	1.00	04/04/2002 16:27	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:06	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-2-5.5-6.0	Lab Sample ID: 2002-03-0553-027
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 13:00	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 16:31	
Arsenic	2.9	1.0	mg/Kg	1.00	04/04/2002 16:31	
Barium	42	1.0	mg/Kg	1.00	04/04/2002 16:31	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:31	
Cadmium	1.5	0.50	mg/Kg	1.00	04/04/2002 16:31	
Chromium	35	1.0	mg/Kg	1.00	04/04/2002 16:31	
Cobalt	5.1	1.0	mg/Kg	1.00	04/04/2002 16:31	
Copper	5.6	1.0	mg/Kg	1.00	04/04/2002 16:31	
Lead	2.4	1.0	mg/Kg	1.00	04/04/2002 16:31	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:31	
Nickel	33	1.0	mg/Kg	1.00	04/04/2002 16:31	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:31	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:31	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:31	
Vanadium	19	1.0	mg/Kg	1.00	04/04/2002 16:31	
Zinc	16	1.0	mg/Kg	1.00	04/04/2002 16:31	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:07	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-11-4.0-4.5	Lab Sample ID: 2002-03-0553-028
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 10:13	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 16:34	
Arsenic	2.7	1.0	mg/Kg	1.00	04/04/2002 16:34	
Barium	20	1.0	mg/Kg	1.00	04/04/2002 16:34	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:34	
Cadmium	1.2	0.50	mg/Kg	1.00	04/04/2002 16:34	
Chromium	24	1.0	mg/Kg	1.00	04/04/2002 16:34	
Cobalt	3.8	1.0	mg/Kg	1.00	04/04/2002 16:34	
Copper	6.0	1.0	mg/Kg	1.00	04/04/2002 16:34	
Lead	3.1	1.0	mg/Kg	1.00	04/04/2002 16:34	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:34	
Nickel	20	1.0	mg/Kg	1.00	04/04/2002 16:34	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:34	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:34	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:34	
Vanadium	16	1.0	mg/Kg	1.00	04/04/2002 16:34	
Zinc	18	1.0	mg/Kg	1.00	04/04/2002 16:34	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:11	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-11-1.5-2.0	Lab Sample ID: 2002-03-0553-029
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 10:07	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 16:38	
Arsenic	7.1	1.0	mg/Kg	1.00	04/04/2002 16:38	
Barium	40	1.0	mg/Kg	1.00	04/04/2002 16:38	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:38	
Cadmium	4.6	0.50	mg/Kg	1.00	04/04/2002 16:38	
Chromium	1.2	1.0	mg/Kg	1.00	04/04/2002 16:38	
Cobalt	6.4	1.0	mg/Kg	1.00	04/04/2002 16:38	
Copper	23	1.0	mg/Kg	1.00	04/04/2002 16:38	
Lead	12	1.0	mg/Kg	1.00	04/04/2002 16:38	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:38	
Nickel	1.3	1.0	mg/Kg	1.00	04/04/2002 16:38	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:38	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:38	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:38	
Vanadium	16	1.0	mg/Kg	1.00	04/04/2002 16:38	
Zinc	190	1.0	mg/Kg	1.00	04/04/2002 16:38	
Mercury	0.10	0.050	mg/Kg	1.00	04/05/2002 14:12	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
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CA DHS ELAP#1094

Sample ID: MFC-1-1.0-1.5	Lab Sample ID: 2002-03-0553-030
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 10:40	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	4.1	2.0	mg/Kg	1.00	04/04/2002 16:42	
Arsenic	140	1.0	mg/Kg	1.00	04/04/2002 16:42	
Barium	58	1.0	mg/Kg	1.00	04/04/2002 16:42	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:42	
Cadmium	4.0	0.50	mg/Kg	1.00	04/04/2002 16:42	
Chromium	21	1.0	mg/Kg	1.00	04/04/2002 16:42	
Cobalt	6.7	1.0	mg/Kg	1.00	04/04/2002 16:42	
Copper	110	1.0	mg/Kg	1.00	04/04/2002 16:42	
Lead	200	1.0	mg/Kg	1.00	04/04/2002 16:42	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:42	
Nickel	41	1.0	mg/Kg	1.00	04/04/2002 16:42	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:42	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:42	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:42	
Vanadium	25	1.0	mg/Kg	1.00	04/04/2002 16:42	
Zinc	81	1.0	mg/Kg	1.00	04/04/2002 16:42	
Mercury	0.13	0.050	mg/Kg	1.00	04/05/2002 14:13	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-1-2.0-2.5	Lab Sample ID: 2002-03-0553-031
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 10:42	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	2.8	2.0	mg/Kg	1.00	04/04/2002 16:46	
Arsenic	5.8	1.0	mg/Kg	1.00	04/04/2002 16:46	
Barium	53	1.0	mg/Kg	1.00	04/04/2002 16:46	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:46	
Cadmium	3.2	0.50	mg/Kg	1.00	04/04/2002 16:46	
Chromium	36	1.0	mg/Kg	1.00	04/04/2002 16:46	
Cobalt	7.8	1.0	mg/Kg	1.00	04/04/2002 16:46	
Copper	33	1.0	mg/Kg	1.00	04/04/2002 16:46	
Lead	65	1.0	mg/Kg	1.00	04/04/2002 16:46	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:46	
Nickel	52	1.0	mg/Kg	1.00	04/04/2002 16:46	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:46	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:46	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:46	
Vanadium	18	1.0	mg/Kg	1.00	04/04/2002 16:46	
Zinc	39	1.0	mg/Kg	1.00	04/04/2002 16:46	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:14	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-1-4.0-4.5	Lab Sample ID: 2002-03-0553-032
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/27/2002 10:46	QC-Batch: 2002/04/04-08.16 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 16:50	
Arsenic	3.4	1.0	mg/Kg	1.00	04/04/2002 16:50	
Barium	78	1.0	mg/Kg	1.00	04/04/2002 16:50	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:50	
Cadmium	2.0	0.50	mg/Kg	1.00	04/04/2002 16:50	
Chromium	31	1.0	mg/Kg	1.00	04/04/2002 16:50	
Cobalt	6.1	1.0	mg/Kg	1.00	04/04/2002 16:50	
Copper	15	1.0	mg/Kg	1.00	04/04/2002 16:50	
Lead	21	1.0	mg/Kg	1.00	04/04/2002 16:50	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:50	
Nickel	37	1.0	mg/Kg	1.00	04/04/2002 16:50	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:50	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:50	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:50	
Vanadium	21	1.0	mg/Kg	1.00	04/04/2002 16:50	
Zinc	27	1.0	mg/Kg	1.00	04/04/2002 16:50	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:15	

Submission #: 2002-03-0553



CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-4-8.5-9.0	Lab Sample ID: 2002-03-0553-035
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/26/2002 17:08	QC-Batch: 2002/04/04-08.15 2002/04/04-06.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 16:53	
Arsenic	3.5	1.0	mg/Kg	1.00	04/04/2002 16:53	
Barium	160	1.0	mg/Kg	1.00	04/04/2002 16:53	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:53	
Cadmium	1.8	0.50	mg/Kg	1.00	04/04/2002 16:53	
Chromium	37	1.0	mg/Kg	1.00	04/04/2002 16:53	
Cobalt	5.3	1.0	mg/Kg	1.00	04/04/2002 16:53	
Copper	11	1.0	mg/Kg	1.00	04/04/2002 16:53	
Lead	3.3	1.0	mg/Kg	1.00	04/04/2002 16:53	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:53	
Nickel	56	1.0	mg/Kg	1.00	04/04/2002 16:53	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:53	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:53	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:53	
Vanadium	21	1.0	mg/Kg	1.00	04/04/2002 16:53	
Zinc	21	1.0	mg/Kg	1.00	04/04/2002 16:53	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:17	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-4-11.0-11.5	Lab Sample ID: 2002-03-0553-036
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/04/2002 10:44
Sampled: 03/26/2002 17:20	QC-Batch: 2002/04/04-06.15 2002/04/04-08.16
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/04/2002 16:57	
Arsenic	3.4	1.0	mg/Kg	1.00	04/04/2002 16:57	
Barium	65	1.0	mg/Kg	1.00	04/04/2002 16:57	
Beryllium	ND	0.50	mg/Kg	1.00	04/04/2002 16:57	
Cadmium	1.7	0.50	mg/Kg	1.00	04/04/2002 16:57	
Chromium	32	1.0	mg/Kg	1.00	04/04/2002 16:57	
Cobalt	4.8	1.0	mg/Kg	1.00	04/04/2002 16:57	
Copper	8.7	1.0	mg/Kg	1.00	04/04/2002 16:57	
Lead	3.8	1.0	mg/Kg	1.00	04/04/2002 16:57	
Molybdenum	ND	1.0	mg/Kg	1.00	04/04/2002 16:57	
Nickel	32	1.0	mg/Kg	1.00	04/04/2002 16:57	
Selenium	ND	2.0	mg/Kg	1.00	04/04/2002 16:57	
Silver	ND	1.0	mg/Kg	1.00	04/04/2002 16:57	
Thallium	ND	1.0	mg/Kg	1.00	04/04/2002 16:57	
Vanadium	21	1.0	mg/Kg	1.00	04/04/2002 16:57	
Zinc	22	1.0	mg/Kg	1.00	04/04/2002 16:57	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 14:18	

Submission #: 2002-03-0553



CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-4-5.0-5.5	Lab Sample ID: 2002-03-0553-037
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 06:37
Sampled: 03/26/2002 17:05	QC-Batch: 2002/04/05-01.16 2002/04/05-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/05/2002 10:13	
Arsenic	4.0	1.0	mg/Kg	1.00	04/05/2002 10:13	
Barium	64	1.0	mg/Kg	1.00	04/05/2002 10:13	
Beryllium	ND	0.50	mg/Kg	1.00	04/05/2002 10:13	
Cadmium	2.3	0.50	mg/Kg	1.00	04/05/2002 10:13	
Chromium	40	1.0	mg/Kg	1.00	04/05/2002 10:13	
Cobalt	7.4	1.0	mg/Kg	1.00	04/05/2002 10:13	
Copper	110	1.0	mg/Kg	1.00	04/05/2002 10:13	
Lead	5.0	1.0	mg/Kg	1.00	04/05/2002 10:13	
Molybdenum	ND	1.0	mg/Kg	1.00	04/05/2002 10:13	
Nickel	39	1.0	mg/Kg	1.00	04/05/2002 10:13	
Selenium	ND	2.0	mg/Kg	1.00	04/05/2002 10:13	
Silver	ND	1.0	mg/Kg	1.00	04/05/2002 10:13	
Thallium	ND	1.0	mg/Kg	1.00	04/05/2002 10:13	
Vanadium	23	1.0	mg/Kg	1.00	04/05/2002 10:13	
Zinc	30	1.0	mg/Kg	1.00	04/05/2002 10:13	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 09:19	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-12-4.0-4.5	Lab Sample ID: 2002-03-0553-038
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 06:37
Sampled: 03/26/2002 09:13	QC-Batch: 2002/04/05-01.16 2002/04/05-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/05/2002 10:16	
Arsenic	36	1.0	mg/Kg	1.00	04/05/2002 10:16	
Barium	27	1.0	mg/Kg	1.00	04/05/2002 10:16	
Beryllium	ND	0.50	mg/Kg	1.00	04/05/2002 10:16	
Cadmium	1.3	0.50	mg/Kg	1.00	04/05/2002 10:16	
Chromium	30	1.0	mg/Kg	1.00	04/05/2002 10:16	
Cobalt	4.0	1.0	mg/Kg	1.00	04/05/2002 10:16	
Copper	6.1	1.0	mg/Kg	1.00	04/05/2002 10:16	
Lead	3.5	1.0	mg/Kg	1.00	04/05/2002 10:16	
Molybdenum	ND	1.0	mg/Kg	1.00	04/05/2002 10:16	
Nickel	26	1.0	mg/Kg	1.00	04/05/2002 10:16	
Selenium	ND	2.0	mg/Kg	1.00	04/05/2002 10:16	
Silver	ND	1.0	mg/Kg	1.00	04/05/2002 10:16	
Thallium	ND	1.0	mg/Kg	1.00	04/05/2002 10:16	
Vanadium	20	1.0	mg/Kg	1.00	04/05/2002 10:16	
Zinc	18	1.0	mg/Kg	1.00	04/05/2002 10:16	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 09:20	



CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-12-1.5-2.0	Lab Sample ID: 2002-03-0553-039
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 06:37
Sampled: 03/26/2002 09:09	QC-Batch: 2002/04/05-01.16 2002/04/05-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	5.0	2.0	mg/Kg	1.00	04/05/2002 10:40	
Arsenic	22	1.0	mg/Kg	1.00	04/05/2002 10:40	
Barium	57	1.0	mg/Kg	1.00	04/05/2002 10:40	
Beryllium	ND	0.50	mg/Kg	1.00	04/05/2002 10:40	
Cadmium	2.0	0.50	mg/Kg	1.00	04/05/2002 10:40	
Chromium	27	1.0	mg/Kg	1.00	04/05/2002 10:40	
Cobalt	5.2	1.0	mg/Kg	1.00	04/05/2002 10:40	
Copper	68	1.0	mg/Kg	1.00	04/05/2002 10:40	
Lead	140	1.0	mg/Kg	1.00	04/05/2002 10:40	
Molybdenum	ND	1.0	mg/Kg	1.00	04/05/2002 10:40	
Nickel	30	1.0	mg/Kg	1.00	04/05/2002 10:40	
Selenium	ND	2.0	mg/Kg	1.00	04/05/2002 10:40	
Silver	ND	1.0	mg/Kg	1.00	04/05/2002 10:40	
Thallium	ND	1.0	mg/Kg	1.00	04/05/2002 10:40	
Vanadium	24	1.0	mg/Kg	1.00	04/05/2002 10:40	
Zinc	71	1.0	mg/Kg	1.00	04/05/2002 10:40	
Mercury	0.081	0.050	mg/Kg	1.00	04/05/2002 09:24	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-13-3.0-3.5	Lab Sample ID: 2002-03-0553-040
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 06:37
Sampled: 03/27/2002 08:17	QC-Batch: 2002/04/05-01.16 2002/04/05-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	1.00	04/05/2002 10:44	
Arsenic	15	1.0	mg/Kg	1.00	04/05/2002 10:44	
Barium	22	1.0	mg/Kg	1.00	04/05/2002 10:44	
Beryllium	ND	0.50	mg/Kg	1.00	04/05/2002 10:44	
Cadmium	0.91	0.50	mg/Kg	1.00	04/05/2002 10:44	
Chromium	21	1.0	mg/Kg	1.00	04/05/2002 10:44	
Cobalt	2.3	1.0	mg/Kg	1.00	04/05/2002 10:44	
Copper	5.1	1.0	mg/Kg	1.00	04/05/2002 10:44	
Lead	6.7	1.0	mg/Kg	1.00	04/05/2002 10:44	
Molybdenum	ND	1.0	mg/Kg	1.00	04/05/2002 10:44	
Nickel	16	1.0	mg/Kg	1.00	04/05/2002 10:44	
Selenium	ND	2.0	mg/Kg	1.00	04/05/2002 10:44	
Silver	ND	1.0	mg/Kg	1.00	04/05/2002 10:44	
Thallium	ND	1.0	mg/Kg	1.00	04/05/2002 10:44	
Vanadium	14	1.0	mg/Kg	1.00	04/05/2002 10:44	
Zinc	18	1.0	mg/Kg	1.00	04/05/2002 10:44	
Mercury	ND	0.050	mg/Kg	1.00	04/05/2002 09:25	

CAM 17 Metals

Iris Environmental

Test Method: 6010B
7471A

Attn: Chris Alger

Prep Method: 7471A
3050B

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CA DHS ELAP#1094

Sample ID: MFC-13-1.5-2.0	Lab Sample ID: 2002-03-0553-041
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 06:37
Sampled: 03/26/2002 08:15	QC-Batch: 2002/04/05-01.16 2002/04/05-02.15
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Antimony	2.9	2.0	mg/Kg	1.00	04/05/2002 10:48	
Arsenic	20	1.0	mg/Kg	1.00	04/05/2002 10:48	
Barium	64	1.0	mg/Kg	1.00	04/05/2002 10:48	
Beryllium	ND	0.50	mg/Kg	1.00	04/05/2002 10:48	
Cadmium	2.2	0.50	mg/Kg	1.00	04/05/2002 10:48	
Chromium	35	1.0	mg/Kg	1.00	04/05/2002 10:48	
Cobalt	5.8	1.0	mg/Kg	1.00	04/05/2002 10:48	
Copper	74	1.0	mg/Kg	1.00	04/05/2002 10:48	
Lead	89	1.0	mg/Kg	1.00	04/05/2002 10:48	
Molybdenum	ND	1.0	mg/Kg	1.00	04/05/2002 10:48	
Nickel	31	1.0	mg/Kg	1.00	04/05/2002 10:48	
Selenium	ND	2.0	mg/Kg	1.00	04/05/2002 10:48	
Silver	ND	1.0	mg/Kg	1.00	04/05/2002 10:48	
Thallium	ND	1.0	mg/Kg	1.00	04/05/2002 10:48	
Vanadium	28	1.0	mg/Kg	1.00	04/05/2002 10:48	
Zinc	66	1.0	mg/Kg	1.00	04/05/2002 10:48	
Mercury	0.090	0.050	mg/Kg	1.00	04/05/2002 09:27	

Submission #: 2002-03-0553



CAM 17 Metals
Batch QC report

Test Method: 7471A

Prep Method: 7471A

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CA DHS ELAP#1094

Method Blank	Soil	QC Batch # 2002/04/05-01.16
MB: 2002/04/05-01.16-011		Date Extracted: 04/05/2002 06:38

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Mercury	ND	0.050	mg/Kg	04/05/2002 09:15	

CAM 17 Metals
Batch QC report

Test Method: 6010B

Prep Method: 3050B

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Method Blank	Soil	QC Batch # 2002/04/05-02.15
MB: 2002/04/05-02.15-040		Date Extracted: 04/05/2002 06:37

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Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Antimony	ND	2.0	mg/Kg	04/05/2002 10:01	
Arsenic	ND	1.0	mg/Kg	04/05/2002 10:01	
Barium	ND	1.0	mg/Kg	04/05/2002 10:01	
Beryllium	ND	0.50	mg/Kg	04/05/2002 10:01	
Cadmium	ND	0.50	mg/Kg	04/05/2002 10:01	
Chromium	ND	1.0	mg/Kg	04/05/2002 10:01	
Cobalt	ND	1.0	mg/Kg	04/05/2002 10:01	
Copper	ND	1.0	mg/Kg	04/05/2002 10:01	
Lead	ND	1.0	mg/Kg	04/05/2002 10:01	
Molybdenum	ND	1.0	mg/Kg	04/05/2002 10:01	
Nickel	ND	1.0	mg/Kg	04/05/2002 10:01	
Selenium	ND	2.0	mg/Kg	04/05/2002 10:01	
Silver	ND	1.0	mg/Kg	04/05/2002 10:01	
Thallium	ND	1.0	mg/Kg	04/05/2002 10:01	
Vanadium	ND	1.0	mg/Kg	04/05/2002 10:01	
Zinc	ND	1.0	mg/Kg	04/05/2002 10:01	

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 # 2002/04/04-02.15
 LCS: 2002/04/04-02.15-061 Extracted: 04/04/2002 09:28 Analyzed: 04/04/2002 12:44
 LCSD: 2002/04/04-02.15-062 Extracted: 04/04/2002 09:28 Analyzed: 04/04/2002 12:47

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Antimony	92.8	92.6	100.0	100.0	92.8	92.6	0.2	80-120	20		
Arsenic	93.0	92.1	100.0	100.0	93.0	92.1	1.0	80-120	20		
Barium	92.3	91.6	100.0	100.0	92.3	91.6	0.8	80-120	20		
Beryllium	90.9	92.1	100.0	100.0	90.9	92.1	1.3	80-120	20		
Cadmium	91.9	91.0	100.0	100.0	91.9	91.0	1.0	80-120	20		
Chromium	92.9	92.2	100.0	100.0	92.9	92.2	0.8	80-120	20		
Cobalt	92.0	91.3	100.0	100.0	92.0	91.3	0.8	80-120	20		
Copper	92.8	92.7	100.0	100.0	92.8	92.7	0.1	80-120	20		
Lead	91.6	90.8	100.0	100.0	91.6	90.8	0.9	80-120	20		
Molybdenum	93.9	93.4	100.0	100.0	93.9	93.4	0.5	80-120	20		
Nickel	90.6	89.8	100.0	100.0	90.6	89.8	0.9	80-120	20		
Selenium	90.9	90.4	100.0	100.0	90.9	90.4	0.6	80-120	20		
Silver	92.6	92.1	100.0	100.0	92.6	92.1	0.5	80-120	20		
Thallium	88.6	88.1	100.0	100.0	88.6	88.1	0.6	80-120	20		
Vanadium	92.7	92.1	100.0	100.0	92.7	92.1	0.6	80-120	20		
Zinc	91.5	90.4	100.0	100.0	91.5	90.4	1.2	80-120	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 # 2002/04/04-06.15
 LCS: 2002/04/04-06.15-090 Extracted: 04/04/2002 10:44 Analyzed: 04/04/2002 14:54
 LCSD: 2002/04/04-06.15-091 Extracted: 04/04/2002 10:44 Analyzed: 04/04/2002 14:57

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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	93.0	92.9	100.0	100.0	93.0	92.9	0.1	80-120	20		
Arsenic	94.5	93.9	100.0	100.0	94.5	93.9	0.6	80-120	20		
Barium	93.9	93.2	100.0	100.0	93.9	93.2	0.7	80-120	20		
Beryllium	91.6	91.5	100.0	100.0	91.6	91.5	0.1	80-120	20		
Cadmium	93.3	92.9	100.0	100.0	93.3	92.9	0.4	80-120	20		
Chromium	94.4	93.7	100.0	100.0	94.4	93.7	0.7	80-120	20		
Cobalt	94.3	93.6	100.0	100.0	94.3	93.6	0.7	80-120	20		
Copper	94.2	92.9	100.0	100.0	94.2	92.9	1.4	80-120	20		
Lead	93.4	92.5	100.0	100.0	93.4	92.5	1.0	80-120	20		
Molybdenum	95.2	94.5	100.0	100.0	95.2	94.5	0.7	80-120	20		
Nickel	92.4	91.8	100.0	100.0	92.4	91.8	0.7	80-120	20		
Selenium	92.2	91.3	100.0	100.0	92.2	91.3	1.0	80-120	20		
Silver	93.9	92.8	100.0	100.0	93.9	92.8	1.2	80-120	20		
Thallium	90.2	89.6	100.0	100.0	90.2	89.6	0.7	80-120	20		
Vanadium	93.9	93.0	100.0	100.0	93.9	93.0	1.0	80-120	20		
Zinc	93.3	93.6	100.0	100.0	93.3	93.6	0.3	80-120	20		

CAM 17 Metals
Batch QC report

Test Method: 7471A

Prep Method: 7471A

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2002/04/05-01.16
LCS: 2002/04/05-01.16-012	Extracted: 04/05/2002 06:38	Analyzed: 04/05/2002 09:17
LCSD: 2002/04/05-01.16-013	Extracted: 04/05/2002 06:38	Analyzed: 04/05/2002 09:18

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD
Mercury	0.497	0.512	0.500	0.500	99.4	102.4	3.0	85-115	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 # 2002/04/04-05.16
 LCS: 2002/04/04-05.16-029 Extracted: 04/04/2002 10:03 Analyzed: 04/05/2002 13:14
 LCSD: 2002/04/04-05.16-030 Extracted: 04/04/2002 10:03 Analyzed: 04/05/2002 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	
Mercury	0.521	0.523	0.500	0.500	104.2	104.6	0.4	85-115	20			

CAM 17 Metals
Batch QC report

Test Method: 7471A

Prep Method: 7471A

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CA DHS ELAP#1094

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2002/04/04-08.16
 LCS: 2002/04/04-08.16-056 Extracted: 04/04/2002 10:47 Analyzed: 04/05/2002 13:47
 LCSD: 2002/04/04-08.16-057 Extracted: 04/04/2002 10:47 Analyzed: 04/05/2002 13:48

Compound	Conc. [mg/Kg]		Exp.Conc. [mg/Kg]		Recovery		RPD	Ctrl.Limits [%]			Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recover	RPD	LCS	LCSD	
Mercury	0.496	0.508	0.500	0.500	99.2	101.6	2.4	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 # 2002/04/05-02.15
 LCS: 2002/04/05-02.15-041 Extracted: 04/05/2002 06:37 Analyzed: 04/05/2002 10:06
 LCSD: 2002/04/05-02.15-042 Extracted: 04/05/2002 06:37 Analyzed: 04/05/2002 10:09

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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	102	102	100.0	100.0	102.0	102.0	0.0	80-120	20		
Arsenic	103	102	100.0	100.0	103.0	102.0	1.0	80-120	20		
Barium	97.6	96.8	100.0	100.0	97.6	96.8	0.8	80-120	20		
Beryllium	99.9	98.8	100.0	100.0	99.9	98.8	1.1	80-120	20		
Cadmium	99.2	98.5	100.0	100.0	99.2	98.5	0.7	80-120	20		
Chromium	101	99.7	100.0	100.0	101.0	99.7	1.3	80-120	20		
Cobalt	95.7	95.0	100.0	100.0	95.7	95.0	0.7	80-120	20		
Copper	98.6	97.2	100.0	100.0	98.6	97.2	1.4	80-120	20		
Lead	97.6	96.6	100.0	100.0	97.6	96.6	1.0	80-120	20		
Molybdenum	101	99.9	100.0	100.0	101.0	99.9	1.1	80-120	20		
Nickel	96.5	95.8	100.0	100.0	96.5	95.8	0.7	80-120	20		
Selenium	94.2	93.0	100.0	100.0	94.2	93.0	1.3	80-120	20		
Silver	99.3	98.2	100.0	100.0	99.3	98.2	1.1	80-120	20		
Thallium	94.8	93.5	100.0	100.0	94.8	93.5	1.4	80-120	20		
Vanadium	103	102	100.0	100.0	103.0	102.0	1.0	80-120	20		
Zinc	101	100.0	100.0	100.0	101.0	100.0	1.0	80-120	20		

Submission #: 2002-03-0553

SEVERN

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SERVICES

CAM 17 Metals

Batch QC Report

Test Method: 7471A

Prep Method: 7471A

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CA DHS ELAP#1094

Matrix Spike (MS / MSD)	Soil	QC Batch # 2002/04/05-01.16
Sample ID: MFC-12-4.0-4.5 >> MS		Lab ID: 2002-03-0553-038
MS: 2002/04/05-01.16-016	Extracted: 04/05/2002 06:38	Analyzed: 04/05/2002 09:22
		Dilution: 1
MSD: 2002/04/05-01.16-017	Extracted: 04/05/2002 06:38	Analyzed: 04/05/2002 09:23
		Dilution: 1

Compound	Conc. [mg/Kg]			Exp.Conc.		Recovery [%]		RPD	Ctrl.Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		Recovery	RPD	MS	MSD
Mercury	0.499	0.496	ND	0.495	0.481	100.	103.1	2.3	85-115	20		

Gasoline

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 7th St.

SitePort of Oakland

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CA DHS ELAP#1094

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MFC-5-GW	Water	03/27/2002	3
MFC-26-5.0-5.5	Soil	03/27/2002 15:25	6
MFC-26-7.5-8.0	Soil	03/27/2002 15:25	7
MFC-46-7.0-7.5	Soil	03/27/2002 11:45	8
MFC-46-4.0-4.5	Soil	03/27/2002 11:30	9
MFC-24-4.0-4.5	Soil	03/27/2002 08:20	10
MFC-27-4.5-5.0	Soil	03/27/2002 08:50	14
MFC-28-5.0-5.5	Soil	03/27/2002 09:25	15
MFC-20-4.0-4.5	Soil	03/27/2002 13:25	17
MFC-20-7.0-7.5	Soil	03/27/2002 14:10	18
TB032702B	Water	03/27/2002 16:00	19
MFC-3-4.5-5.0	Soil	03/27/2002 13:35	20
MFC-3-7.5-8.0	Soil	03/27/2002 13:40	21
MFC-3-1.5-2.0	Soil	03/27/2002 13:20	22
MFC-10-5.0-5.5	Soil	03/27/2002 14:25	23
MFC-2-4.5-5.0	Soil	03/27/2002	25
MFC-2-5.5-6.0	Soil	03/27/2002 13:00	27
MFC-11-4.0-4.5	Soil	03/27/2002 10:13	28
MFC-1-2.0-2.5	Soil	03/27/2002 10:42	31
MFC-1-4.0-4.5	Soil	03/27/2002 10:46	32
TB032702A	Water	03/27/2002 08:40	33
MFC-17-GW	Water	03/27/2002 17:00	34
MFC-4-8.5-9.0	Soil	03/26/2002 17:08	35
MFC-4-11.0-11.5	Soil	03/26/2002 17:20	36
MFC-4-5.0-5.5	Soil	03/26/2002 17:05	37
MFC-12-4.0-4.5	Soil	03/26/2002 09:13	38
MFC-13-3.0-3.5	Soil	03/27/2002 08:17	40



Gasoline

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Test Method: 8015M
Prep Method: 5030
5035

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CA DHS ELAP#1094

Sample ID: MFC-5-GW	Lab Sample ID: 2002-03-0553-003
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/03/2002 17:37
Sampled: 03/27/2002	QC-Batch: 2002/04/03-01.05
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/03/2002 17:37	
Surrogate(s)						
4-Bromofluorobenzene-FID	84.4	50-150	%	1.00	04/03/2002 17:37	

Submission #: 2002-03-0553

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Attn: Chris Alger

Test Method: 8015M

Prep Method: 5030
5035

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CA DHS ELAP#1094

Sample ID: MFC-26-5.0-5.5	Lab Sample ID: 2002-03-0553-006
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 20:06
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/05-01.01
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 20:06	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	81.7	58-124	%	1.00	04/05/2002 20:06	



Gasoline

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Attn: Chris Alger

Test Method: 8015M
Prep Method: 5030
5035

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CA DHS ELAP#1094

Sample ID: MFC-26-7.5-8.0	Lab Sample ID: 2002-03-0553-007
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 19:36
Sampled: 03/27/2002 15:25	QC-Batch: 2002/04/05-01.01
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 19:36	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	83.9	58-124	%	1.00	04/05/2002 19:36	

Submission #: 2002-03-0553



Gasoline

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Test Method: 8015M
Prep Method: 5030
5035

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Sample ID: MFC-46-7.0-7.6	Lab Sample ID: 2002-03-0553-008
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 20:36
Sampled: 03/27/2002 11:45	QC-Batch: 2002/04/05-01.01
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 20:36	
<i>Surrogate(s)</i>						
4-Bromofluorobenzene-FID	71.1	58-124	%	1.00	04/05/2002 20:36	

Submission #: 2002-03-0553



Gasoline

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Test Method: 8015M
Prep Method: 5030
5035

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Sample ID: MFC-46-4.0-4.5	Lab Sample ID: 2002-03-0553-009
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 21:06
Sampled: 03/27/2002 11:30	QC-Batch: 2002/04/05-01.01
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 21:06	
Surrogate(s)						
Trifluorotoluene-FID	65.8	53-125	%	1.00	04/05/2002 21:06	

Submission #: 2002-03-0553

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Test Method: 8015M
Prep Method: 5030
5035

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Sample ID: MFC-24-4.0-4.5	Lab Sample ID: 2002-03-0553-010
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/05/2002 21:36
Sampled: 03/27/2002 08:20	QC-Batch: 2002/04/05-01.01
Matrix: Soil	

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Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/05/2002 21:36	
Surrogate(s)						
Trifluorotoluene-FID	59.5	53-125	%	1.00	04/05/2002 21:36	

Submission #: 2002-03-0553

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Test Method: 8015M

Prep Method: 5030
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CA DHS ELAP#1094

Sample ID: MFC-27-4.5-5.0	Lab Sample ID: 2002-03-0553-014
Project: 01-201-A Port of Oakland 7th St.	Received: 03/27/2002 18:20
Site: Port of Oakland	Extracted: 04/08/2002 11:39
Sampled: 03/27/2002 08:50	QC-Batch: 2002/04/08-01.03
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/08/2002 11:39	
Surrogate(s)						
4-Bromofluorobenzene-FID	77.7	58-124	%	1.00	04/08/2002 11:39	