

Submission #: 2002-03-0005

Halogenated Volatile Organic Compounds by 8021



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

Lowney & Associates Oakland	☒ 167 Filbert Street Oakland, Ca 94607
Attn: Mark Arniola	Phone: (510) 267-1970 Fax: (510) 267-1972
1424-4B	Project: 65th & 66th St.

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
T-1	Water	02/28/2002 15:30	1

Halogenated Volatile Organic Compounds by 8021

Lowney & Associates Oakland

Test Method: 8021B

Attn: Mark Arniola

Prep Method: 5030B

 STL San Francisco
1220 Quarry Lane
Pleasanton, CA 94566

Sample ID: T-1	Lab Sample ID: 2002-03-0005-001
Project: 1424-4B 65th & 66th St.	Received: 02/28/2002 17:10
Sampled: 02/28/2002 15:30	Extracted: 03/05/2002 15:54
Matrix: Water	QC-Batch: 2002/03/05-01.26

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	03/05/2002 15:54	
Vinyl chloride	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Chloroethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Methylene chloride	ND	5.0	ug/L	1.00	03/05/2002 15:54	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Chloroform	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Carbon tetrachloride	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Trichloroethene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Bromodichloromethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	03/05/2002 15:54	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Tetrachloroethene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Dibromochloromethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Chlorobenzene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Bromoform	ND	2.0	ug/L	1.00	03/05/2002 15:54	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	03/05/2002 15:54	
Chloromethane	ND	1.0	ug/L	1.00	03/05/2002 15:54	
Bromomethane	ND	1.0	ug/L	1.00	03/05/2002 15:54	
Surrogate(s)						
1-Chloro-2-fluorobenzene	100.6	70-130	%	1.00	03/05/2002 15:54	

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Batch QC report

Test Method: 8021B

Prep Method: 5030B

 STL San Francisco
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Method Blank

Water

QC Batch # 2002/03/05-01.26

MB: 2002/03/05-01.26-004

Date Extracted: 03/05/2002 12:14

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CA DHS ELAP#1094

Compound	Result	Rep.Limit	Unit	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	03/05/2002 12:14	
Vinyl chloride	ND	0.5	ug/L	03/05/2002 12:14	
Chloroethane	ND	0.5	ug/L	03/05/2002 12:14	
Trichlorofluoromethane	ND	0.5	ug/L	03/05/2002 12:14	
1,1-Dichloroethene	ND	0.5	ug/L	03/05/2002 12:14	
Methylene chloride	ND	5.0	ug/L	03/05/2002 12:14	
trans-1,2-Dichloroethene	ND	0.5	ug/L	03/05/2002 12:14	
cis-1,2-Dichloroethene	ND	0.5	ug/L	03/05/2002 12:14	
1,1-Dichloroethane	ND	0.5	ug/L	03/05/2002 12:14	
Chloroform	ND	0.5	ug/L	03/05/2002 12:14	
1,1,1-Trichloroethane	ND	0.5	ug/L	03/05/2002 12:14	
Carbon tetrachloride	ND	0.5	ug/L	03/05/2002 12:14	
1,2-Dichloroethane	ND	0.5	ug/L	03/05/2002 12:14	
Trichloroethene	ND	0.5	ug/L	03/05/2002 12:14	
1,2-Dichloropropane	ND	0.5	ug/L	03/05/2002 12:14	
Bromodichloromethane	ND	0.5	ug/L	03/05/2002 12:14	
2-Chloroethylvinyl ether	ND	0.5	ug/L	03/05/2002 12:14	
trans-1,3-Dichloropropene	ND	0.5	ug/L	03/05/2002 12:14	
cis-1,3-Dichloropropene	ND	0.5	ug/L	03/05/2002 12:14	
1,1,2-Trichloroethane	ND	0.5	ug/L	03/05/2002 12:14	
Tetrachloroethene	ND	0.5	ug/L	03/05/2002 12:14	
Dibromochloromethane	ND	0.5	ug/L	03/05/2002 12:14	
Chlorobenzene	ND	0.5	ug/L	03/05/2002 12:14	
Bromoform	ND	2.0	ug/L	03/05/2002 12:14	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	03/05/2002 12:14	
1,3-Dichlorobenzene	ND	0.5	ug/L	03/05/2002 12:14	
1,4-Dichlorobenzene	ND	0.5	ug/L	03/05/2002 12:14	
1,2-Dichlorobenzene	ND	0.5	ug/L	03/05/2002 12:14	
Trichlorotrifluoroethane	ND	0.5	ug/L	03/05/2002 12:14	
Chloromethane	ND	1.0	ug/L	03/05/2002 12:14	
Bromomethane	ND	1.0	ug/L	03/05/2002 12:14	
Surrogate(s)					
1-Chloro-2-fluorobenzene	102.8	70-130	%	03/05/2002 12:14	

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Batch QC report

Test Method: 8021B

Prep Method: 5030B

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Laboratory Control Spike (LCS/LCSD) Water QC Batch # 2002/03/05-01.26
 LCS: 2002/03/05-01.26-002 Extracted: 03/05/2002 10:46 Analyzed: 03/05/2002 10:46
 LCSD: 2002/03/05-01.26-003 Extracted: 03/05/2002 11:30 Analyzed: 03/05/2002 11:30

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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
1,1-Dichloroethene	20.6	21.4	20.0	20.0	103.0	107.0	3.8	70-130	20		
Trichloroethene	21.8	22.9	20.0	20.0	109.0	114.5	4.9	70-130	20		
Chlorobenzene	20.9	22.2	20.0	20.0	104.5	111.0	6.0	70-130	20		
Surrogate(s)											
1-Chloro-2-fluorobenz	22.3	22.9	20	20	111.5	114.5		70-130			

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Batch QC Report

Test Method: 8021B

Prep Method: 5030B

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Matrix Spike (MS / MSD)	Water	QC Batch # 2002/03/05-01.26
Sample ID: T-1 >> MS		Lab ID: 2002-03-0005-001
MS: 2002/03/05-01.26-010	Extracted: 03/05/2002 16:38	Analyzed: 03/05/2002 16:38
		Dilution: 1
MSD: 2002/03/05-01.26-011	Extracted: 03/05/2002 17:22	Analyzed: 03/05/2002 17:22
		Dilution: 1

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Compound	Conc. [ug/L]			Exp. Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		Recovery	RPD	MS	MSD
1,1-Dichloroethen	20.8	19.8	ND	20.0	20.0	104.	99.0	4.9	70-130	20		
Trichloroethene	23.6	22.7	ND	20.0	20.0	118.	113.5	3.9	70-130	20		
Chlorobenzene	21.8	20.9	ND	20.0	20.0	109.	104.5	4.2	70-130	20		
Surrogate(s)												
1-Chloro-2-fluoro	23.0	22.1		20	20	115.	110.4		70-130			