



A GROUND WATER CONSULTANCY

JUN 05 2001

if need letter not to re-open case: \$210.

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

May 31, 2001

RE: MTBE Based Reaffirmation of Case Closure - 1628 Webster Street, Alameda.

Dear Ms. Chu;

This letter is to request a reaffirmation of underground storage case closure at 1628 Webster Street in the City of Alameda on behalf of Mrs. Jean Ratto Larkin

The prospective buyer of the property at 1628 Webster Street plans on developing a hotel and retail project on this presently vacant lot. The buyer's lending institution had requested that samples be collected and analyzed as detailed in the two letter reports attached.

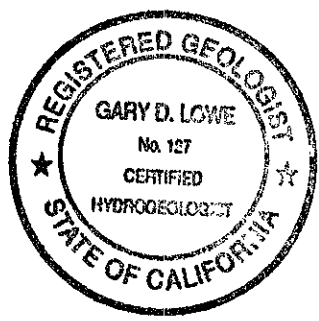
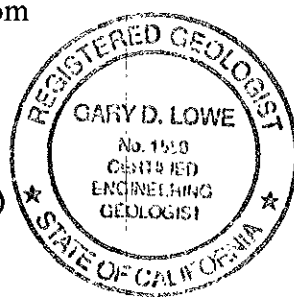
MTBE was reported by the analytical laboratory as "N.D." as detailed in the enclosures.

A reaffirmation of closure letter from Alameda County Health Care Services Agency is hereby requested.

Please do not hesitate to call the undersigned at 925-373-9211 and/or telefax at 925-373-9222 should you have any questions. eMail h2ogeol@home.com

Sincerely,

Gary D. Lowe, R.G. (3768), C.E.G. (1559), C.HG. (127)
Principal, Hydrogeologist



February 19, 2001

Ms. Catherine W. Johnson
Wendel, Rosen, Black & Dean
1111 Broadway, 24th Floor
Oakland, CA 94607-4036

RE: Analytical Results - Soil and Groundwater sampling at 1628 Webster Street, Alameda, CA.

Dear Ms. Johnson;

The enclosed disk contains copies of the laboratory analytical reports provided by STL Chromalab, Inc. for soil and groundwater samples collected at 1628 Webster Street in the City of Alameda, California on February 1, 2001.

Seven files are included:

- B46Soil-Hvo-rep0000053104.pdf
- B5Soil-Hvo-rep0000052678.pdf
- B5Soil-TPHBTEX-rep0000052937.pdf
- GW-B46Soil-TPHBTEX-rep0000052943.pdf
- GW-Hvo-rep0000052197.pdf
- GW-Oxy-rep0000051827.pdf
- Soil-Oxy-rep0000052727.pdf

B = borehole; B46 = Boreholes B4 & B6; B5 = Borehole B5; [where not indicated includes all results]

Soil = Soil Sample Results GW = Groundwater Sample Results

Hvo = Halogenated Volatile Organics by Method 8010

TPHBTES = Total Petroleum Hydrocarbons as gasoline + benzene, ethylbenzene, toluene, & total xylenes by Methods 8015M/8020

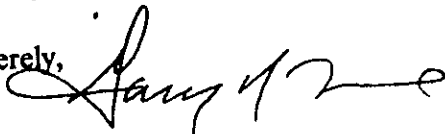
Oxy = Fuel Oxygenates (inc. MTBE) by Method 8260B

rep00000xxxxx = STL Chromalab report designation

Also enclosed is a copy of the summary table previously telefaxed, a copy of the sample location map, and a copy of the chain-of-custody documentation.

Please do not hesitate to call the undersigned at 925-373-9211 and/or telefax at 925-373-9222 should you have any questions. eMail h2ogeol@home.com

Sincerely,



Gary D. Lowe, R.G. (3768), C.E.G. (1559), C.HG. (127)
Principal, Hydrogeologist

TABLE 1
GROUNDWATER AND SOIL ANALYTICAL RESULTS
FEBRUARY 01, 2001
1628 WEBSTER STREET
ALAMEDA, CALIFORNIA

(soil analyte concentrations in micrograms per kilogram)
(water analyte concentrations in micrograms per liter)

	TPH-gasoline	Benzene	Toluene	Ethylbenzene	Total Xylene isomers	Methyl tert-butyl ether (MTBE)	tert-Butyl alcohol (TBA)	Di-isopropyl Ether (DIPE)	Ethyl tert-butyl ether (ETBE)	tert-Amyl methyl ether (TAME)	1,2-Dichloroethane	Ethylendibromide	Trichloroethene	Tetrachloroethene
GROUNDWATER CONCENTRATIONS														
About 4.5 feet into parcel from former MW-1 (closest to corner Webster & Pacific).														
B5-GW	1600	2.4	< 0.5	9.6	< 0.5	< 50	< 50	< 100	< 50	< 50	< 10	< 10	< 0.5	< 0.5
About 5 feet into parcel from former MW-2 (along Webster about 125 feet south of Pacific sidewalk).														
B4-GW	< 50	< 0.5	< 0.5	< 0.5	1.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 1.0	< 1.0	0.65	1.8
About 5 feet into parcel from former MW-3 (along Pacific about 63 feet east of Webster sidewalk).														
B6-GW	54	< 0.5	< 0.5	3.4	19	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 1.0	< 1.0	< 0.5	< 0.5
SOIL CONCENTRATIONS														
About 4.5 feet into parcel from former MW-1 (closest to corner Webster & Pacific).														
B5/6.5 feet	310000	< 3100	< 3100	< 3100	< 3100	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 250	< 250
About 5 feet into parcel from former MW-2 (along Webster about 125 feet south of Pacific sidewalk).														
B4/6.5 feet	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
About 5 feet into parcel from former MW-3 (along Pacific about 63 feet east of Webster sidewalk).														
B6/6.5 feet	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Note: All sample results for 8010 (volatile halocarbon compounds) N.D. except TCE and PERC as indicated.



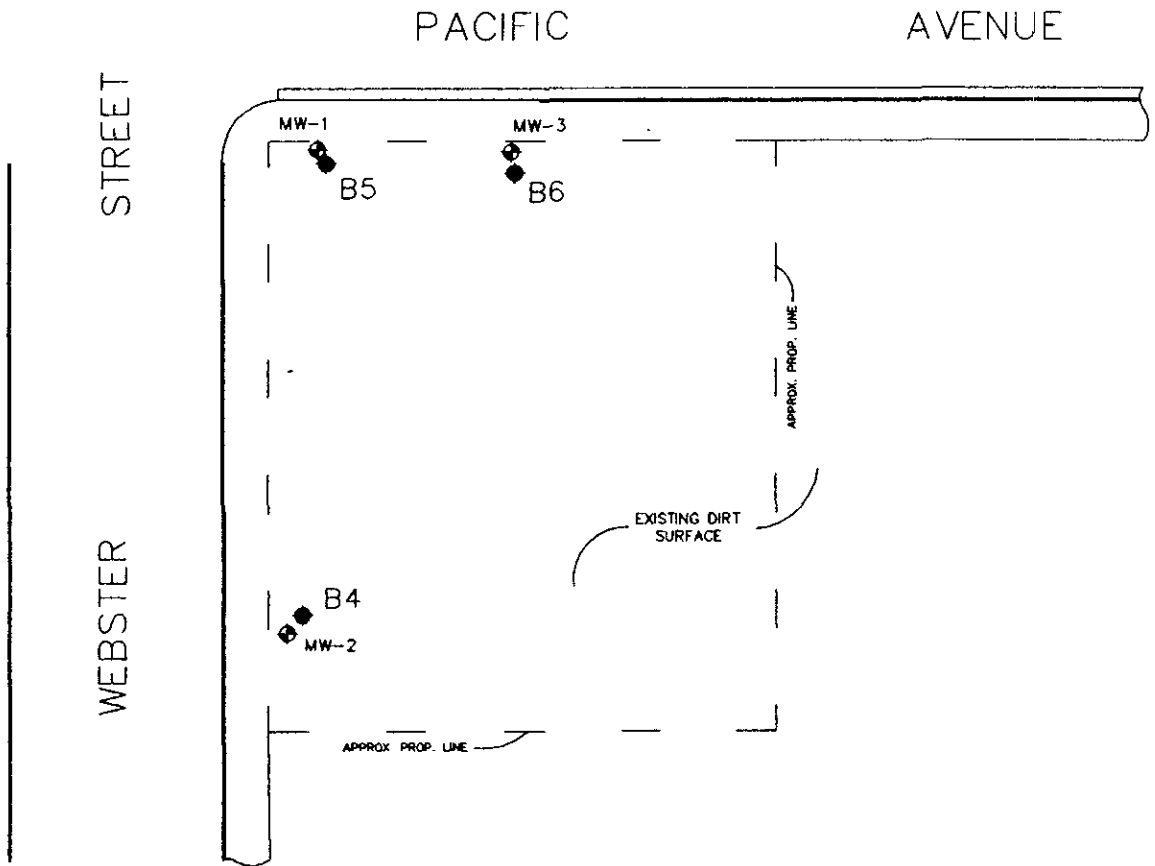
SCALE: 1" = 50'

MW-3 MONITORING WELL NAME/NUMBER

◆ MONITORING WELL LOCATION

WELLS PREVIOUSLY DESTROYED UNDER PERMIT.

◆ B6 BOREHOLE LOCATION AND DESIGNATION, 02/01/01





February 19, 2001

Mr. Sandip Jariwala
15 Cabernet Court
Red Bluff, CA 96080

RE: Soil and Groundwater sampling at 1628 Webster Street, Alameda, CA.

Dear Mr. Jariwala;

This letter transmits the soil and groundwater sampling results from 1628 Webster Street in the City of Alameda, California provided pursuant to your authorization of January 23, 2001.

Three soil and groundwater grab sample boreholes were installed at the 1628 Webster Street property adjacent to former monitoring well MW-1, -2, and -3 on February 01, 2001. These locations are shown on attached Figure 1. A single soil sample was collected from each borehole from a depth of 6.5 feet corresponding to the depth of first encountered groundwater. Borehole B5 encountered backfill material in the former soil remedial excavation and the hypalon liner was encountered at the 6.5 foot depth. The borehole B5 soil sample was from immediately beneath the liner. Borehole B5 below the liner and boreholes B4 and B6 encountered native soils indistinguishable from those logged in the adjacent former monitoring well boreholes. The boreholes were grouted upon completion.

The three soil and three groundwater samples will be submitted to STL Chromalab, Inc. a State certified analytical laboratory (No. 1094) for analysis of Total Petroleum Hydrocarbons as gasoline plus the aromatic hydrocarbon compounds benzene, toluene, ethylbenzene, and total xylene isomers, collectively known as BTEX, by U.S. EPA Method 8015M/8020; the fuel oxygenates including MTBE, TBA, ETBE, TAME, and DIPE by U.S. E.P.A. Method 8260B; and volatile halocarbon solvents by U.S. E.P.A. Method 8010A. A copy of the chain-of-custody documentation is attached.

The laboratory analytical reports are summarized in Table 1 and are included as PDF files in the enclosed disk. When Chromalab submits their final report a copy will be included with a reissue of this letter. File names are explained in the copy of the letter to Ms. Johnson.

In summary (ppb = parts per billion used synonymously with micrograms per liter or per kilogram).

MTBE was not detected in any of the three groundwater samples, nor any of the three soil samples.

All results were within the range anticipatable from the pre case closure results.

B5, about 4.5 feet into parcel from former MW-1 (closest to corner Webster & Pacific) was reported with 1600 ppb TPH-g, 2.4 ppb benzene, and 9.6 ppb ethylbenzene in groundwater; 310000 ppb TPH-g in soil.

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

Halogenated Volatile Organic Compounds

H2OGeol	PO Box 2166
	Livermore, CA 94561-2166
Attn: Gary Lowe	Phone: (925) 373-9211 Fax: (925) 373-9222
Project #:	Project:
Site: 1628 Webster Street	
Alameda, CA	

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
1648/B4-GW	Water	02/01/2001 10:57	2
1648/B5-GW	Water	02/01/2001 09:25	4
1648/B5-GW	Water	02/01/2001 10:20	6

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
Attn: Gary Lowe

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID: 1648/B4-GW	Lab Sample ID: 2001-02-0010-002
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street	Extracted: 02/05/2001 18:33
Alameda, CA	QC-Batch: 2001/02/05-01.26
Sampled: 02/01/2001 10:57	
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	02/05/2001 18:33	
Vinyl chloride	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Chloroethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Methylene chloride	ND	5.0	ug/L	1.00	02/05/2001 18:33	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	02/05/2001 18:33	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	02/05/2001 18:33	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Chloroform	ND	0.50	ug/L	1.00	02/05/2001 18:33	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Carbon tetrachloride	ND	0.50	ug/L	1.00	02/05/2001 18:33	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Trichloroethene	0.66	0.50	ug/L	1.00	02/05/2001 18:33	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Bromodichloromethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	02/05/2001 18:33	
trans-1,3-Dichloropropane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
cis-1,3-Dichloropropane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Tetrachloroethane	1.6	0.50	ug/L	1.00	02/05/2001 18:33	
Dibromochloromethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Chlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Bromoform	ND	2.0	ug/L	1.00	02/05/2001 18:33	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	02/05/2001 18:33	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 18:33	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 18:33	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 18:33	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	02/05/2001 18:33	
Chloromethane	ND	1.0	ug/L	1.00	02/05/2001 18:33	
Bromomethane	ND	1.0	ug/L	1.00	02/05/2001 18:33	
Surrogate(s)						
1-Chloro-2-fluorobenzene	75.8	50-150	%	1.00	02/05/2001 18:33	

1220 Quarry Lane * Pleasanton, CA 94566-4758
Telephone: (925) 484-1919 * Facsimile: (925) 484-1066

1220 Quarry Lane * Pleasanton, CA 94566-4758
Telephone: (925) 484-1919 * Facsimile: (925) 484-1066

STL ChromaLab
Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeol
Attn.: Gary Lowe

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID: 1648/BS-GW	Lab Sample ID: 2001-02-0010-004
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/05/2001 19:18
Sampled: 02/01/2001 09:25	QC-Batch: 2001/02/05-01.28
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	02/05/2001 19:18	
Vinyl chloride	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Chloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Methylene chloride	ND	5.0	ug/L	1.00	02/05/2001 19:18	
trans-1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
cis-1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Chloroform	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Carbon tetrachloride	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Trichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Bromodichloromethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	02/05/2001 19:18	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/05/2001 19:18	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Tetrachloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Dibromochloromethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Chlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Bromoform	ND	2.0	ug/L	1.00	02/05/2001 19:18	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 19:18	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 19:18	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	02/05/2001 19:18	
Chloromethane	ND	1.0	ug/L	1.00	02/05/2001 19:18	
Bromomethane	ND	1.0	ug/L	1.00	02/05/2001 19:18	
Surrogate(s)						
1-Chloro-2-fluorobenzene	70.3	50-150	%	1.00	02/05/2001 19:18	

STL ChromaLab
Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeol
Attn.: Gary Lowe

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID: 1648/BS-GW	Lab Sample ID: 2001-02-0010-004
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/05/2001 19:58
Sampled: 02/01/2001 10:20	QC-Batch: 2001/02/05-01.28
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	02/05/2001 19:58	
Vinyl chloride	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Chloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Methylene chloride	ND	5.0	ug/L	1.00	02/05/2001 19:58	
trans-1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
cis-1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Chloroform	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Carbon tetrachloride	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Trichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Bromodichloromethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	02/05/2001 19:58	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/05/2001 19:58	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Tetrachloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Dibromochloromethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Chlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Bromoform	ND	2.0	ug/L	1.00	02/05/2001 19:58	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 19:58	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	02/05/2001 19:58	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	02/05/2001 19:58	
Chloromethane	ND	1.0	ug/L	1.00	02/05/2001 19:58	
Bromomethane	ND	1.0	ug/L	1.00	02/05/2001 19:58	
Surrogate(s)						
1-Chloro-2-fluorobenzene	69.9	50-150	%	1.00	02/05/2001 19:58	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
Attn.: Gary Lowe

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank	Water	QC Batch # 2001/02/05-01.26
MB: 2001/02/05-01.26-001		Date Extracted: 02/05/2001 09:45

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	02/05/2001 09:45	
Vinyl chloride	ND	0.5	ug/L	02/05/2001 09:45	
Chloroethane	ND	0.5	ug/L	02/05/2001 09:45	
Trichlorofluoromethane	ND	0.5	ug/L	02/05/2001 09:45	
1,1-Dichloroethane	ND	0.5	ug/L	02/05/2001 09:45	
Methylene chloride	ND	5.0	ug/L	02/05/2001 09:45	
trans-1,2-Dichloroethane	ND	0.5	ug/L	02/05/2001 09:45	
cis-1,2-Dichloroethane	ND	0.5	ug/L	02/05/2001 09:45	
1,1-Dichloroethane	ND	0.5	ug/L	02/05/2001 09:45	
Chloroform	ND	0.5	ug/L	02/05/2001 09:45	
1,1,1-Trichloroethane	ND	0.5	ug/L	02/05/2001 09:45	
Carbon tetrachloride	ND	0.5	ug/L	02/05/2001 09:45	
1,2-Dichloroethane	ND	0.5	ug/L	02/05/2001 09:45	
Trichloroethane	ND	0.5	ug/L	02/05/2001 09:45	
1,2-Dichloropropene	ND	0.5	ug/L	02/05/2001 09:45	
Bromodichloromethane	ND	0.5	ug/L	02/05/2001 09:45	
2-Chloroethylvinyl ether	ND	0.5	ug/L	02/05/2001 09:45	
trans-1,3-Dichloropropene	ND	0.5	ug/L	02/05/2001 09:45	
cis-1,3-Dichloropropene	ND	0.5	ug/L	02/05/2001 09:45	
1,1,2-Trichloroethane	ND	0.5	ug/L	02/05/2001 09:45	
Tetrachloroethane	ND	0.5	ug/L	02/05/2001 09:45	
Dibromochloromethane	ND	0.5	ug/L	02/05/2001 09:45	
Chlorobenzene	ND	0.5	ug/L	02/05/2001 09:45	
Bromoform	ND	2.0	ug/L	02/05/2001 09:45	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	02/05/2001 09:45	
1,3-Dichlorobenzene	ND	0.5	ug/L	02/05/2001 09:45	
1,4-Dichlorobenzene	ND	0.5	ug/L	02/05/2001 09:45	
1,2-Dichlorobenzene	ND	0.5	ug/L	02/05/2001 09:45	
Trichlorotrifluoroethane	ND	2.0	ug/L	02/05/2001 09:45	
Chloromethane	ND	1.0	ug/L	02/05/2001 09:45	
Bromomethane	ND	1.0	ug/L	02/05/2001 09:45	
Surrogate(s)					
1-Chloro-2-fluorobenzene	80.0	50-150	%	02/05/2001 09:45	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
Attn: Gary Lowe

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2001/02/05-01.26
LCS: 2001/02/05-01.26-002	Extracted: 02/05/2001 11:09	Analyzed 02/05/2001 11:09
LCSD: 2001/02/05-01.26-003	Extracted: 02/05/2001 10:27	Analyzed 02/05/2001 10:27

Compound	Conc.		Exp. Conc.		Recovery (%)		RPD	Cm. Limts (%)		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
1,1-Dichloroethane	20.1	19.9	20	20	100.5	99.5	1.0	50-140	20		
Trichloroethane	18.7	18.6	20	20	93.5	93.0	0.5	50-150	20		
Chlorobenzene	16.8	16.4	20	20	82.0	82.0	0.5	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	17.4	17.6	20	20	87.0	88.0		50-150			

Halogenated Volatile Organic Compounds

H2OGeel	PO Box 2165
	Livermore, CA 94551-2165
Attn: Gary Lowe	Phone: (925) 373-9211 Fax: (925) 373-9222
Project #:	Project:
Site: 1628 Webster Street	
Alameda, CA	

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
1648/B4/6.5	Soil	02/01/2001 10:42	1
1648/B6/6.5	Soil	02/01/2001 10:00	5

To: H2OGeel
Attn.: Gary Lowe

Test Method: 8260A
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID: 1648/B4/6.5	Lab Sample ID: 2001-02-0010-001
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street	Extracted: 02/09/2001 18:27
Alameda, CA	QC-Batch: 20010209-01.06
Sampled: 02/01/2001 10:42	
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	02/09/2001 18:27	
Vinyl chloride	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Chloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Methylene chloride	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Chloroform	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Trichloroethene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Tetrachloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Chlorobenzene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Bromoform	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Chloromethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Bromomethane	ND	5.0	ug/Kg	1.00	02/09/2001 18:27	
Surrogate(s)						
4-Bromofluorobenzene	105.0	74-121	%	1.00	02/09/2001 18:27	
1,2-Dichloroethane-d4	102.1	70-121	%	1.00	02/09/2001 18:27	
Toluene-d8	105.2	81-117	%	1.00	02/09/2001 18:27	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
Attn.: Gary Lowe

Test Method: 8260A
Prep Method: 6030

Halogenated Volatile Organic Compounds

Sample ID: 1648/06/5	Lab Sample ID: 2001-02-0010-005
Project:	Received: 02/01/2001 12:20
Site: 1828 Webster Street Alameda, CA	Extracted: 02/09/2001 19:07
Sampled: 02/01/2001 10:00	QC-Batch: 2001/02/09-01.06
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	02/09/2001 19:07	
Vinyl chloride	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Chloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Methylene chloride	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
trans-1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
cis-1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Chloroform	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Trichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,2-Dichloropropene	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
2-Chloroethylvinyl ether	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Tetrachloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Chlorobenzene	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Bromoform	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Chloromethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Bromomethane	ND	5.0	ug/Kg	1.00	02/09/2001 19:07	
Surrogate(s)						
4-Bromofluorobenzene	108.8	74-121	%	1.00	02/09/2001 19:07	
1,2-Dichloroethane-d4	101.6	70-121	%	1.00	02/09/2001 19:07	
Toluene-d8	105.2	81-117	%	1.00	02/09/2001 19:07	

1220 Quarry Lane * Pleasanton, CA 94568-4756
Telephone (925) 484-1919 * Facsimile (925) 484-1088

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
Attn.: Gary Lowe

Test Method: 8260A
Prep Method: 6030

Batch QC Report Halogenated Volatile Organic Compounds

Method Blank	Set	QC Batch # 2001/02/09-01.06
MB: 2001/02/09-01.06-004		Date Extracted: 02/09/2001 11:22

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Bromodichloromethane	ND	5.0	ug/Kg	02/09/2001 11:22	
Bromoform	ND	5.0	ug/Kg	02/09/2001 11:22	
Bromomethane	ND	10.0	ug/Kg	02/09/2001 11:22	
Carbon tetrachloride	ND	5.0	ug/Kg	02/09/2001 11:22	
Chlorobenzene	ND	5.0	ug/Kg	02/09/2001 11:22	
Chloroethane	ND	10	ug/Kg	02/09/2001 11:22	
2-Chloroethylvinyl ether	ND	50	ug/Kg	02/09/2001 11:22	
Chloroform	ND	5.0	ug/Kg	02/09/2001 11:22	
Chloromethane	ND	10	ug/Kg	02/09/2001 11:22	
Dibromochloromethane	ND	5.0	ug/Kg	02/09/2001 11:22	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	02/09/2001 11:22	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	02/09/2001 11:22	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	02/09/2001 11:22	
Dichlorodifluoromethane	ND	10	ug/Kg	02/09/2001 11:22	
1,1-Dichloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
1,2-Dichloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
1,1-Dichloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
cis-1,2-Dichloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
trans-1,2-Dichloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
1,2-Dichloropropene	ND	5.0	ug/Kg	02/09/2001 11:22	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	02/09/2001 11:22	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	02/09/2001 11:22	
Methylene chloride	ND	5.0	ug/Kg	02/09/2001 11:22	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
Tetrachloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
Trichloroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
Vinyl chloride	ND	5.0	ug/Kg	02/09/2001 11:22	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
Trichlorofluoroethane	ND	5.0	ug/Kg	02/09/2001 11:22	
Surrogate(s)					
4-Bromofluorobenzene	107.2	74-121	%	02/09/2001 11:22	
1,2-Dichloroethane-d4	104.2	70-121	%	02/09/2001 11:22	
Toluene-d8	103.8	81-117	%	02/09/2001 11:22	

1220 Quarry Lane * Pleasanton, CA 94568-4756
Telephone: (925) 484-1919 * Facsimile: (925) 484-1088

STL ChromaLab

Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeel
Attn: Gary Lowe

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD)	Soil	QC Batch # 2001/02/09-01.08
LCS: 2001/02/09-01.06-002	Extracted: 02/09/2001 09:19	Analyzed 02/09/2001 09:19
LCSD: 2001/02/09-01.06-003	Extracted: 02/09/2001 10:51	Analyzed 02/09/2001 10:51

Compound	Conc		Exp. Conc.		Recovery [%]			Cri. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	RPD	Recovery	RPD	LCS	LCSD
Chlorobenzene	93.4	95.1	100.0	100.0	93.4	95.1	1.8	81-121	20		
1,1-Dichloroethene	96.2	101	100.0	100.0	96.2	101.0	2.8	66-128	20		
Trichloroethene	93.4	94.6	100.0	100.0	93.4	94.6	1.3	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	616	628	600	600	103.2	106.8		74-121			
1,2-Dichloroethane-d4	496	496	600	600	87.2	87.6		70-121			
Toluene-d8	616	616	600	600	103.2	103.0		81-117			

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

Halogenated Volatile Organic Compounds by 8280A (High Level)

H2OGeot
Attn: Gary Lowe
Project #:
Site: 1628 Webster Street
Alameda, CA

PO Box 2166
Livermore, CA 94551-2166
Phone: (925) 373-9211 Fax: (925) 373-9222

Project:

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
1648/85/6.6	Soil	02/01/2001 09:06	3

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeot
Attn.: Gary Lowe

Test Method: 8280A
Prep Method: 5030

Halogenated Volatile Organic Compounds by 8280A (High Level)

Sample ID: 1648/85/6.6
Project:
Site: 1628 Webster Street
Alameda, CA
Sampled: 02/01/2001 09:06
Matrix: Soil

Lab Sample ID: 2001-02-0010-003
Received: 02/01/2001 12:20
Extracted: 02/12/2001 14:37
QC-Batch: 2001/02/12-01.00

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Bromodichloromethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Bromofom	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Bromomethane	ND	1000	ug/Kg	1.00	02/12/2001 14:37	
Carbon tetrachloride	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Chlorobenzene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Chloroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Chlorofom	ND	250	ug/Kg	1.00	02/12/2001 14:37	
2-Chloroethylvinyl ether	ND	2500	ug/Kg	1.00	02/12/2001 14:37	
Chloromethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Dibromochloromethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,2-Dichlorobenzene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,3-Dichlorobenzene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,4-Dichlorobenzene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Dichlorodifluoromethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,1-Dichloroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,2-Dichloroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,1-Dichloroethene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
cis-1,2-Dichloroethene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
trans-1,2-Dichloroethene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,2-Dichloropropene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
cis-1,3-Dichloropropene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
trans-1,3-Dichloropropene	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Methylene chloride	ND	2500	ug/Kg	1.00	02/12/2001 14:37	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Tetrachloroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,1,1-Trichloroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
1,1,2-Trichloroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Trichloroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Vinyl chloride	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Trichlorotrifluoroethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Trichlorofluoromethane	ND	250	ug/Kg	1.00	02/12/2001 14:37	
EOS	ND	250	ug/Kg	1.00	02/12/2001 14:37	
Surrogate(s)						
4-Bromofluorobenzene	96.8	74-121	%	1.00	02/12/2001 14:37	
1,2-Dichloroethane-d4	92.8	70-121	%	1.00	02/12/2001 14:37	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol Test Method: 8260A
 Attn.: Gary Lowe Prep Method: 5030
 Halogenated Volatile Organic Compounds by 8260A (High Level)

Sample ID: 1648/5/5/5.5	Lab Sample ID: 2001-02-0010-003
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/12/2001 14:37
Sampled: 02/01/2001 09:05	QC-Batch: 2001/02/12-01.00
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Surrogate(s) Toluene-d8	98.5	81-117	%	1.00	02/12/2001 14:37	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol Test Method: 8260A
 Attn.: Gary Lowe Prep Method: 5030

Batch QC Report
 Halogenated Volatile Organic Compounds by 8260A (High Level)

Method Blank	Soil	QC Batch # 2001/02/12-01.00
MB: 2001/02/12-01.09-004		Date Extracted: 02/12/2001 10:40

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Bromodichloromethane	ND	250	ug/Kg	02/12/2001 10:40	
Bromoform	ND	250	ug/Kg	02/12/2001 10:40	
Bromomethane	ND	600	ug/Kg	02/12/2001 10:40	
Carbon tetrachloride	ND	250	ug/Kg	02/12/2001 10:40	
Chlorobenzene	ND	250	ug/Kg	02/12/2001 10:40	
Chloroethane	ND	600	ug/Kg	02/12/2001 10:40	
2-Chloroethylvinyl ether	ND	2500	ug/Kg	02/12/2001 10:40	
Chloroform	ND	250	ug/Kg	02/12/2001 10:40	
Chloromethane	ND	600	ug/Kg	02/12/2001 10:40	
Dibromodichloromethane	ND	250	ug/Kg	02/12/2001 10:40	
1,2-Dichlorobenzene	ND	250	ug/Kg	02/12/2001 10:40	
1,3-Dichlorobenzene	ND	250	ug/Kg	02/12/2001 10:40	
1,4-Dichlorobenzene	ND	250	ug/Kg	02/12/2001 10:40	
1,2-Dibromoethane	ND	500	ug/Kg	02/12/2001 10:40	
Dichlorodifluoromethane	ND	500	ug/Kg	02/12/2001 10:40	
1,1-Dichloroethane	ND	250	ug/Kg	02/12/2001 10:40	
1,2-Dichloroethane	ND	250	ug/Kg	02/12/2001 10:40	
1,1-Dichloroethane	ND	250	ug/Kg	02/12/2001 10:40	
cis-1,2-Dichloroethane	ND	250	ug/Kg	02/12/2001 10:40	
trans-1,2-Dichloroethane	ND	250	ug/Kg	02/12/2001 10:40	
1,2-Dichloropropane	ND	250	ug/Kg	02/12/2001 10:40	
cis-1,3-Dichloropropene	ND	250	ug/Kg	02/12/2001 10:40	
trans-1,3-Dichloropropene	ND	250	ug/Kg	02/12/2001 10:40	
Methylene chloride	ND	500	ug/Kg	02/12/2001 10:40	
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	02/12/2001 10:40	
Tetrachloroethane	ND	250	ug/Kg	02/12/2001 10:40	
1,1,1-Trichloroethane	ND	250	ug/Kg	02/12/2001 10:40	
1,1,2-Trichloroethane	ND	250	ug/Kg	02/12/2001 10:40	
Trichloroethane	ND	250	ug/Kg	02/12/2001 10:40	
Vinyl chloride	ND	250	ug/Kg	02/12/2001 10:40	
Trichlorotrifluoroethane	ND	250	ug/Kg	02/12/2001 10:40	
Trichlorofluoromethane	ND	250	ug/Kg	02/12/2001 10:40	
Surrogate(s)					
4-Bromofluorobenzene	92.2	74-121	%	02/12/2001 10:40	
1,2-Dichloroethane-d4	95.2	70-121	%	02/12/2001 10:40	
Toluene-d8	97.0	81-117	%	02/12/2001 10:40	

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
Attn: Gary Lowe

Test Method: 8260A
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds by 8260A (High Level)

Laboratory Control Spits (LCB/LCSD)	Well	QC Batch # 2001/02/12-01-00
LCB: 2001/02/12-01-00-002	Extracted: 02/12/2001 09:14	Analyzed 02/12/2001 09:14
LCSD: 2001/02/12-01-00-003	Extracted: 02/12/2001 10:02	Analyzed 02/12/2001 10:02

Compound	Conc [ug/Kg]		Exp Conc. [ug/Kg]		Recovery [%] RPD			Crt Limits [%]		Flags	
	LCB	LCSD	LCB	LCSD	LCB	LCSD	RPD [%]	Recovery	RPD	LCB	LCSD
Chlorobenzene	11400	12400	12600	12600	81.2	88.2	8.4	81-121	20		
1,1-Dichloroethane	10600	11900	12800	12800	84.8	88.2	11.8	88-128	20		
Trichloroethane	10200	11600	12600	12600	81.8	82.0	12.0	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	474	488	500	500	94.8	93.8		74-121			
1,2-Dichloroethane-d4	477	488	500	500	95.4	97.5		70-121			
Toluene-d8	484	495	500	500	98.8	98.2		81-117			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

Fuel Oxygenates by 82608

H2OGeol	PO Box 2165
	Livermore, CA 94551-2165
Attn: Gary Lowe	Phone: (925) 373-9211 Fax: (925) 373-9222
Project #:	Project:
Site: 1626 Webster Street	
Alemeda, CA	

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
1648/B4/6.5	Soil	02/01/2001 10:42	1
1648/B5/6.5	Soil	02/01/2001 09:05	3
1648/B6/6.5	Soil	02/01/2001 10:00	5

1220 Cherry Lane * Pleasanton, CA 94566-4758
 Telephone (925) 484-1919 * Facsimile (925) 484-1088

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
 Attn: Gary Lowe

Test Method: 82608
 Prep Method: 82608

Fuel Oxygenates by 82608

Sample ID: 1648/B4/6.5	Lab Sample ID: 2001-02-0010-001
Project:	Received: 02/01/2001 12:20
Site: 1626 Webster Street	Extracted: 02/12/2001 17:28
Alemeda, CA	QC-Batch: 2001/02/12-01.27
Sampled: 02/01/2001 10:42	
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/Kg	1.00	02/12/2001 17:28	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	02/12/2001 17:28	
Di-Isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	02/12/2001 17:28	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	02/12/2001 17:28	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	02/12/2001 17:28	
1,2-DCA	ND	5.0	ug/Kg	1.00	02/12/2001 17:28	
EDB	ND	5.0	ug/Kg	1.00	02/12/2001 17:28	
Surrogate(s)						
1,2-Dichloroethane-d4	81.2	70-121	%	1.00	02/12/2001 17:28	

1220 Cherry Lane * Pleasanton, CA 94566-4758
 Telephone (925) 484-1919 * Facsimile (925) 484-1088

STL ChromaLab
Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeol
Attn.: Gary Lowe

Test Method: 8260B
Prep Method: 8260B

Fuel Oxygenates by 8260B

Sample ID: 1648/BS/6.6	Lab Sample ID: 2001-02-0010-003
Project:	Received: 02/01/2001 12:20
Site: 1626 Webster Street Alameda, CA	Extracted: 02/12/2001 20:24
Sampled: 02/01/2001 09:05	QC-Batch: 2001/02/12-01.27
Matrix: Soil	
Sample/Analysis Flag r1 (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	25	ug/Kg	5.00	02/12/2001 20:24	
Methyl tert-butyl ether (MTBE)	ND	25	ug/Kg	5.00	02/12/2001 20:24	
Di-isopropyl Ether (DIPE)	ND	50	ug/Kg	5.00	02/12/2001 20:24	
Ethyl tert-butyl ether (ETBE)	ND	25	ug/Kg	5.00	02/12/2001 20:24	
tert-Amyl methyl ether (TAME)	ND	25	ug/Kg	5.00	02/12/2001 20:24	
1,2-DCA	ND	25	ug/Kg	5.00	02/12/2001 20:24	
EDS	ND	25	ug/Kg	5.00	02/12/2001 20:24	
Surrogate(s) 1,2-Dichloroethane-d4	101.2	70-121	%	5.00	02/12/2001 20:24	

STL ChromaLab
Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeol
Attn.: Gary Lowe

Test Method: 8260B
Prep Method: 8260B

Fuel Oxygenates by 8260B

Sample ID: 1648/BS/6.6	Lab Sample ID: 2001-02-0010-005
Project:	Received: 02/01/2001 12:20
Site: 1626 Webster Street Alameda, CA	Extracted: 02/12/2001 17:57
Sampled: 02/01/2001 10:00	QC-Batch: 2001/02/12-01.27
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/Kg	1.00	02/12/2001 17:57	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	02/12/2001 17:57	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	02/12/2001 17:57	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	02/12/2001 17:57	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	02/12/2001 17:57	
1,2-DCA	ND	5.0	ug/Kg	1.00	02/12/2001 17:57	
EDS	ND	5.0	ug/Kg	1.00	02/12/2001 17:57	
Surrogate(s) 1,2-Dichloroethane-d4	87.1	70-121	%	1.00	02/12/2001 17:57	

STL ChromaLab

Environmental Services (CA 1064)

Submission #: 2001-02-0010

To: H2OGest
Attn: Gary Lowe

Test Method: 8260B
Prep Method: 8260B

Batch GC Report Fuel Oxygenates by 8260B

Method Blank	Soil	GC Batch # 2001/02/12-01.27
MB: 2001/02/12-01.27-006		Date Extracted: 02/12/2001 11:56

Compound	Result	Rep.Limit	Units	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/Kg	02/12/2001 11:56	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	02/12/2001 11:56	
Di-Isopropyl Ether (DIPE)	ND	10.0	ug/Kg	02/12/2001 11:56	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	02/12/2001 11:56	
tert-Amyl methyl ether (TAME)	NO	5.0	ug/Kg	02/12/2001 11:56	
1,2-DCA	ND	5.0	ug/Kg	02/12/2001 11:56	
EDB	ND	5.0	ug/Kg	02/12/2001 11:56	
Surrogate(s)					
1,2-Dichloroethane-d4	65.3	70-121	%	02/12/2001 11:56	

STL ChromaLab

Environmental Services (CA 1064)

Submission #: 2001-02-0010

To: H2OGest
Attn: Gary Lowe

Test Method: 8260B
Prep Method: 8260B

Batch GC Report Fuel Oxygenates by 8260B

Laboratory Control Spike (LCS/LCSD)	Soil	GC Batch # 2001/02/12-01.27
LCS: 2001/02/12-01.27-004	Extracted: 02/12/2001 10:49	Analyzed: 02/12/2001 10:49
LCSD: 2001/02/12-01.27-006	Extracted: 02/12/2001 11:27	Analyzed: 02/12/2001 11:27

Compound	Conc. [ug/Kg]		Exp. Conc. [ug/Kg]		Recovery [%]			Civil Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Methyl tert-butyl ether	81.3	78.0	100.0	100.0	81.3	78.0	81	88-166	20		
Surrogate(s)											
1,2-Dichloroethane-d4	473	416	800	600	84.8	69.0		70-121			

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
Attn: Gary Lowe

Test Method: 8260B
Prep Method: 8260B

Legend & Notes

Fuel Oxygenates by 8260B

Analysis Flags

fl

Reporting limits raised due to reduced sample size.

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

Fuel Oxygenates by 82008

H2OGeel	PO Box 2166
	Livermore, CA 94561-2166
Attn: Gary Lowe	Phone: (925) 373-9211 Fax: (925) 373-9222
Project #:	Project:
Site: 1628 Webster Street	
Alameda, CA	

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
1648/B4-GW	Water	02/01/2001 10:57	2
1648/B5-GW	Water	02/01/2001 09:26	4
1648/B6-GW	Water	02/01/2001 10:20	6

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeel
Attn: Gary Lowe

Test Method: 82008
Prep Method: 82008

Fuel Oxygenates by 82008

Sample ID: 1648/B4-GW	Lab Sample ID: 2001-02-0010-002
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street	Extracted: 02/01/2001 19:26
Alameda, CA	
Sampled: 02/01/2001 10:57	QC-Batch: 2001/02/01-02.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/01/2001 19:26	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	02/01/2001 19:26	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	1.00	02/01/2001 19:26	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/L	1.00	02/01/2001 19:26	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/L	1.00	02/01/2001 19:26	
1,2-DCA	ND	1.0	ug/L	1.00	02/01/2001 19:26	
EDB	ND	1.0	ug/L	1.00	02/01/2001 19:26	
Surrogate(s)						
1,2-Dichloroethane-d4	99.0	75-114	%	1.00	02/01/2001 19:26	
Toluene-d8	101.4	88-110	%	1.00	02/01/2001 19:26	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeel
Attn.: Gary Lowe

Test Method: 8260B
Prep Method: 8260B

Fuel Oxygenates by 8260B

Sample ID: 1648/BS-GW	Lab Sample ID: 2001-02-0010-004
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/01/2001 20:25
Sampled: 02/01/2001 09:25	QC-Batch: 2001/02/01-02.27
Matrix: Water	
Sample/Analysis Flag r (See Legend & Note section)	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	50	ug/L	10.00	02/01/2001 20:25	
Methyl tert-butyl ether (MTBE)	ND	50	ug/L	10.00	02/01/2001 20:25	
Di-isopropyl Ether (DIPE)	ND	100	ug/L	10.00	02/01/2001 20:25	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	10.00	02/01/2001 20:25	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	10.00	02/01/2001 20:25	
1,2-DCA	ND	10	ug/L	10.00	02/01/2001 20:25	
EDB	ND	10	ug/L	10.00	02/01/2001 20:25	
Surrogate(s)						
1,2-Dichloroethane-d4	88.7	78-114	%	10.00	02/01/2001 20:25	
Toluene-d8	96.4	88-110	%	10.00	02/01/2001 20:25	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeel
Attn.: Gary Lowe

Test Method: 8260B
Prep Method: 8260B

Fuel Oxygenates by 8260B

Sample ID: 1648/BS-GW	Lab Sample ID: 2001-02-0010-004
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/01/2001 19:55
Sampled: 02/01/2001 10:20	QC-Batch: 2001/02/01-02.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	02/01/2001 19:55	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	02/01/2001 19:55	
Di-isopropyl Ether (DIPE)	ND	10	ug/L	1.00	02/01/2001 19:55	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/L	1.00	02/01/2001 19:55	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/L	1.00	02/01/2001 19:55	
1,2-DCA	ND	1.0	ug/L	1.00	02/01/2001 19:55	
EDB	ND	1.0	ug/L	1.00	02/01/2001 19:55	
Surrogate(s)						
1,2-Dichloroethane-d4	89.0	78-114	%	1.00	02/01/2001 19:55	
Toluene-d8	100.3	88-110	%	1.00	02/01/2001 19:55	

STL ChromaLab

Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeol
Attn: Gary Lowe

Test Method: 8280B
Prep Method: 8280B

Batch QC Report Fuel Oxygenates by 8280B

Method Blank	Water	QC Batch # 2001/02/01-02.27
MB: 2001/02/01-02.27-008		Date Extracted: 02/01/2001 16:51

Compound	Result	Rep. Limit	Units	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	02/01/2001 16:51	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	02/01/2001 16:51	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/L	02/01/2001 16:51	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/L	02/01/2001 16:51	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/L	02/01/2001 16:51	
1,2-DCA	ND	1.0	ug/L	02/01/2001 16:51	
EDB	ND	1.0	ug/L	02/01/2001 16:51	
Surrogate(s)					
1,2-Dichloroethane-d4	92.4	76-114	%	02/01/2001 16:51	
Toluene-d8	101.1	88-110	%	02/01/2001 16:51	

STL ChromaLab

Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeol
Attn: Gary Lowe

Test Method: 8280B
Prep Method: 8280B

Batch QC Report Fuel Oxygenates by 8280B

Laboratory Control Spike (LCB/LCSD)	Water	QC Batch # 2001/02/01-02.27
LCB: 2001/02/01-02.27-008	Extracted: 02/01/2001 15:33	Analyzed 02/01/2001 15:33
LCSD: 2001/02/01-02.27-007	Extracted: 02/01/2001 16:21	Analyzed 02/01/2001 16:21

Compound	Conc. (ug/L)		Exp. Conc. (ug/L)		Recovery (%)		RPD	Ctrl. Limite (%)		Flags	
	LCB	LCSD	LCB	LCSD	LCB	LCSD		(%)	Recovery	RPD	LCB
Methyl tert-butyl ether	43.3	43.7	60.0	60.0	66.6	67.4	0.0	66-105	20		
Surrogate(s)											
1,2-Dichloroethane-d4	474	468	600	600	94.8	91.8		76-114			
Toluene-d8	513	484	600	600	102.5	98.6		88-110			

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol
Attn: Gary Lowe

Test Method: 8260B
Prep Method: 8260B

Legend & Notes

Fuel Oxygenates by 8260B

Analyte Flags

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Reporting limits raised due to reduced sample size.

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

Geo/BTEX

H2OGeol
Attn: Gary Lowe
Project #:
Site: 1628 Webster Street
Alameda, CA

PO Box 2166
Livermore, CA 94551-2166
Phone: (925) 373-9211 Fax: (925) 373-9222

Project:

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
1648/B4/S	Soil	02/01/2001 10:42	1
1648/B4-GW	Water	02/01/2001 10:57	2
1648/B5-GW	Water	02/01/2001 09:25	4
1648/B6/S	Soil	02/01/2001 10:00	5
1648/B6-GW	Water	02/01/2001 10:20	6

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol

Test Method: 8020
8018M

Attn: Gary Lowe

Prep Method: 5030

Geo/BTEX

Sample ID: 1648/B4/S
Project:
Site: 1628 Webster Street
Alameda, CA
Sampled: 02/01/2001 10:42
Matrix: Soil

Lab Sample ID: 2001-02-0010-001
Received: 02/01/2001 12:20
Extracted: 02/06/2001 16:26
QC-Batch: 2001/02/06-01.04

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/05/2001 16:26	
Benzene	ND	0.0050	mg/Kg	1.00	02/05/2001 16:26	
Toluene	ND	0.0050	mg/Kg	1.00	02/05/2001 16:26	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/05/2001 16:26	
Xylene(s)	ND	0.0050	mg/Kg	1.00	02/05/2001 16:26	
Surrogate(s)						
Trifluorotoluene	74.1	53-125	%	1.00	02/05/2001 16:26	
4-Bromofluorobenzene-FID	76.6	58-124	%	1.00	02/05/2001 16:26	

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol Test Method: 8020
8015M
Attn.: Gary Lowe Prep Method: 5030

Gas/BTEX

Sample ID: 1648/B4-GW	Lab Sample ID: 2001-02-0010-003
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/06/2001 20:52
Sampled: 02/01/2001 10:57	QC-Batch: 2001/02/06-01.02
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	02/06/2001 20:52	
Benzene	ND	0.50	ug/L	1.00	02/06/2001 20:52	
Toluene	ND	0.50	ug/L	1.00	02/06/2001 20:52	
Ethyl benzene	ND	0.50	ug/L	1.00	02/06/2001 20:52	
Xylene(s)	1.0	0.50	ug/L	1.00	02/06/2001 20:52	
Surrogate(s)						
Trifluorotoluene	96.8	50-124	%	1.00	02/06/2001 20:52	
4-Bromofluorobenzene-FID	90.8	50-150	%	1.00	02/06/2001 20:52	

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol Test Method: 8020
8015M
Attn.: Gary Lowe Prep Method: 5030

Gas/BTEX

Sample ID: 1648/B5-GW	Lab Sample ID: 2001-02-0010-004
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/06/2001 21:27
Sampled: 02/01/2001 09:25	QC-Batch: 2001/02/06-01.02
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1500	50	ug/L	1.00	02/06/2001 21:27	
Benzene	2.4	0.50	ug/L	1.00	02/06/2001 21:27	
Toluene	ND	0.50	ug/L	1.00	02/06/2001 21:27	
Ethyl benzene	9.8	0.50	ug/L	1.00	02/06/2001 21:27	
Xylene(s)	ND	0.50	ug/L	1.00	02/06/2001 21:27	
Surrogate(s)						
Trifluorotoluene	111.5	50-124	%	1.00	02/06/2001 21:27	
4-Bromofluorobenzene-FID	117.8	50-150	%	1.00	02/06/2001 21:27	

STL ChromaLab
Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeel Test Method: 8020
8015M
Attn.: Gary Lowe Prep Method: 5030

Gas/BTEX

Sample ID: 1648/BB/LS	Lab Sample ID: 2001-02-0010-008
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/05/2001 20:18
Sampled: 02/01/2001 10:00	QC-Batch: 2001/02/05-01.04
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	02/05/2001 20:18	
Benzene	ND	0.0050	mg/Kg	1.00	02/05/2001 20:18	
Toluene	ND	0.0050	mg/Kg	1.00	02/05/2001 20:18	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	02/05/2001 20:18	
Xylene(s)	ND	0.0050	mg/Kg	1.00	02/05/2001 20:18	
Surrogate(s)						
Trifluorotoluene	87.1	53-125	%	1.00	02/05/2001 20:18	
4-Bromofluorobenzene-FID	94.3	58-124	%	1.00	02/05/2001 20:18	

STL ChromaLab
Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeel Test Method: 8020
8015M
Attn.: Gary Lowe Prep Method: 5030

Gas/BTEX

Sample ID: 1648/BB-GW	Lab Sample ID: 2001-02-0010-008
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/05/2001 17:54
Sampled: 02/01/2001 10:20	QC-Batch: 2001/02/05-01.02
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	54	50	ug/L	1.00	02/05/2001 17:54	g
Benzene	ND	0.50	ug/L	1.00	02/05/2001 17:54	
Toluene	ND	0.50	ug/L	1.00	02/05/2001 17:54	
Ethyl benzene	3.4	0.50	ug/L	1.00	02/05/2001 17:54	
Xylene(s)	19	0.50	ug/L	1.00	02/05/2001 17:54	
Surrogate(s)						
Trifluorotoluene	82.0	58-124	%	1.00	02/05/2001 17:54	
4-Bromofluorobenzene-FID	86.3	50-150	%	1.00	02/05/2001 17:54	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol

Test Method: 8015M

Attn.: Gary Lowe

8020

Prep Method: 5030

Batch QC Report Gas/STEX

Method Blank	Soil	QC Batch # 2001/02/05-01.04
MB: 2001/02/05-01.04-003		Date Extracted: 02/05/2001 07:44

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	02/05/2001 07:44	
Benzene	ND	0.0050	mg/Kg	02/05/2001 07:44	
Toluene	ND	0.0050	mg/Kg	02/05/2001 07:44	
Ethyl benzene	ND	0.0050	mg/Kg	02/05/2001 07:44	
Xylene(s)	ND	0.0050	mg/Kg	02/05/2001 07:44	
Surrogate(s)					
Trifluorotoluene	105.1	53-125	%	02/05/2001 07:44	
4-Bromofluorobenzene-FID	115.3	55-124	%	02/05/2001 07:44	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol

Test Method: 8015M

Attn.: Gary Lowe

8020

Prep Method: 5030

Batch QC Report Gas/STEX

Method Blank	Water	QC Batch # 2001/02/05-01.02
MB: 2001/02/05-01.02-004		Date Extracted: 02/05/2001 08:55

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	02/05/2001 08:55	
Benzene	ND	0.5	ug/L	02/05/2001 08:55	
Toluene	ND	0.5	ug/L	02/05/2001 08:55	
Ethyl benzene	ND	0.5	ug/L	02/05/2001 08:55	
Xylene(s)	ND	0.5	ug/L	02/05/2001 08:55	
Surrogate(s)					
Trifluorotoluene	92.4	55-124	%	02/05/2001 08:55	
4-Bromofluorobenzene-FID	93.6	50-150	%	02/05/2001 08:55	

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeel
Attn: Gary Lowe

Test Method: 8020
Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/02/05-01.04	
LCS:	2001/02/05-01.04-004	Extracted:	02/05/2001 08:12	Analyzed	02/05/2001 08:12
LCSD:	2001/02/05-01.04-005	Extracted:	02/05/2001 08:40	Analyzed	02/05/2001 08:40

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery (%)			RPD		Crt. Limits (%)		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	(%)	Recovery	RPD	LCS	LCSD	LCS	LCSD
Benzene	0.0988	0.0988	0.1000	0.1000	88.9	88.9	10.6	77-123	36				
Toluene	0.0823	0.0838	0.1000	0.1000	92.3	83.6	9.9	78-122	36				
Ethyl benzene	0.0820	0.0838	0.1000	0.1000	92.0	83.9	9.2	70-130	36				
Xylene(s)	0.279	0.264	0.300	0.300	93.0	84.7	9.3	78-126	36				
Surrogate(s) Trifluorotoluene	810	467	800	800	102.0	81.4		53-128					

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeel
Attn: Gary Lowe

Test Method: 8015M
8020
Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)		Soil		QC Batch # 2001/02/05-01.04	
LCS:	2001/02/05-01.04-006	Extracted:	02/05/2001 09:09	Analyzed	02/05/2001 09:09
LCSD:	2001/02/05-01.04-007	Extracted:	02/05/2001 09:37	Analyzed	02/05/2001 09:37

Compound	Conc. [mg/Kg]		Exp. Conc. [mg/Kg]		Recovery (%)			RPD		Crt. Limits (%)		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	(%)	Recovery	RPD	LCS	LCSD	LCS	LCSD
Gasoline Surrogate(s) 4-Bromofluorobenzene-Fl	0.479	0.488	0.800	0.800	96.8	97.8	2.1	75-125	36				
	664	600	600	600	118.8	120.6		68-134					

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0016

To: H2OGeel
Attn: Gary Lowe

Test Method: 8020
Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)		Water	QC Batch # 2001/02/08-01.02	
LCS:	2001/02/08-01.02-005	Extracted: 02/08/2001 09:31	Analyzed	02/08/2001 09:31
LCSD:	2001/02/08-01.02-008	Extracted: 02/08/2001 10:07	Analyzed	02/08/2001 10:07

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery (%)		RPD	Crt. Limits (%)		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Benzene	91.8	91.9	100.0	100.0	91.8	91.9	0.4	77-123	20		
Toluene	88.8	87.1	100.0	100.0	88.8	87.1	1.4	78-122	20		
Ethyl benzene	80.6	82.7	100.0	100.0	80.6	82.7	2.3	70-130	20		
Xylenes(s)	287	283	300	300	88.7	87.7	2.3	76-126	20		
Surrogate(s)											
Trifluorotoluene	433	438	500	500	86.6	87.2		66-124			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-02-0016

To: H2OGeel

Test Method: 8015M
8020

Attn: Gary Lowe

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD)		Water	QC Batch # 2001/02/08-01.02	
LCS:	2001/02/08-01.02-007	Extracted: 02/08/2001 10:42	Analyzed	02/08/2001 10:42
LCSD:	2001/02/08-01.02-008	Extracted: 02/08/2001 11:18	Analyzed	02/08/2001 11:18

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery (%)		RPD	Crt. Limits (%)		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	498	485	800	800	89.8	82.8	1.1	78-126	20		
Surrogate(s)											
4-Bromofluorobenzene-PI	432	463	800	880	88.4	82.6		80-180			

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol Test Method: 8015M
8020
Attn: Gary Lowe Prep Method: 5030

Batch QC Report
Gas/BTEX

Matrix Spike (MS / MSD) Water QC Batch # 2001/02/06-01.02
Sample ID: 1648/88-GW Lab Sample ID: 2001-02-0010-006
MS: 2001/02/06-01.02-009 Extracted: 02/06/2001 18:29 Analyzed: 02/06/2001 18:29 Dilution: 1.0
MSD: 2001/02/06-01.02-010 Extracted: 02/06/2001 19:06 Analyzed: 02/06/2001 19:06 Dilution: 1.0

Compound	Conc.		[ug/L] Sample	Exp. Conc.		[ug/L]		Recovery (%)		RPD (%)	Crt. Limts (%)		Flags	
	MS	MSD		MS	MSD	MS	MSD	Recovery	RPD		MS	MSD		
Gasoline	501	495	54.1	500	500	99.4	99.2	3.6	65-135	20				
Benzene	90.2	91.8	ND	100.0	100.0	90.2	91.8	1.8	65-135	20				
Toluene	83.3	85.8	ND	100.0	100.0	83.3	85.8	3.0	65-135	20				
Ethyl benzene	90.9	94.0	3.36	100.0	100.0	97.8	90.5	3.5	65-135	20				
Xylenes(s)	264	274	18.7	300	300	81.8	85.1	4.0	65-135	20				
Surrogate(s)														
Trifluorotoluene	407	422		500	500	81.4	84.4		50-124					
4-Bromofluorobenzene	451	423		500	500	90.2	84.6		50-150					

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeol Test Method: 8015M
8020
Attn: Gary Lowe Prep Method: 5030

Legend & Notes

Gas/BTEX

Analyte Flags

0

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

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

Gas/BTEX (High Level)

H2OGeel	PO Box 2166 Livermore, CA 94561-2166
Attn: Gary Lowe	Phone: (925) 373-9211 Fax: (925) 373-9222
Project #:	Project:
Site: 1628 Webster Street Alameda, CA	

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
1648/B5/6.5	Soil	02/01/2001 09:05	3

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeel

Test Method: 8020
8015M

Attn: Gary Lowe

Prep Method: 6030AEXT

Gas/BTEX (High Level)

Sample ID: 1648/B5/6.5	Lab Sample ID: 2001-02-0010-003
Project:	Received: 02/01/2001 12:20
Site: 1628 Webster Street Alameda, CA	Extracted: 02/06/2001 16:18
Sampled: 02/01/2001 09:05	QC-Batch: 2001/02/07-06.04
Matrix: Soil	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	310	80	mg/Kg	5.00	02/06/2001 16:18	g
Benzene	ND	3.1	mg/Kg	5.00	02/06/2001 16:18	
Toluene	ND	3.1	mg/Kg	5.00	02/06/2001 16:18	
Ethyl benzene	ND	3.1	mg/Kg	5.00	02/06/2001 16:18	
Xylene(s)	ND	3.1	mg/Kg	5.00	02/06/2001 16:18	
Surrogate(s)						
Trifluorotoluene	74.3	85-125	%	1.00	02/06/2001 16:18	
4-Bromofluorobenzene-FID	518.9	55-124	%	1.00	02/06/2001 16:18	sh

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeel Test Method: 8015M
8020
Attn.: Gary Lowe Prep Method: 5030AEXT

Batch QC Report
Gas/STEX (High Level)

Method Blank Soil QC Batch # 2001/02/07-05.04
NB: 2001/02/07-05.04-001 Date Extracted: 02/06/2001 11:37

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	10	mg/Kg	02/07/2001 11:37	
Benzene	ND	0.62	mg/Kg	02/07/2001 11:37	
Toluene	ND	0.62	mg/Kg	02/07/2001 11:37	
Ethyl benzene	ND	0.62	mg/Kg	02/07/2001 11:37	
Xylene(s)	ND	0.62	mg/Kg	02/07/2001 11:37	
Surrogate(s)					
Trifluorotoluene	95.2	53-125	%	02/07/2001 11:37	
4-Bromofluorobenzene-FID	120.8	58-124	%	02/07/2001 11:37	

STL ChromaLab
Environmental Services (CA 1094)

Submission #: 2001-02-0010

To: H2OGeel Test Method: 8015M
8020
Attn.: Gary Lowe Prep Method: 5030AEXT

Batch QC Report
Gas/STEX (High Level)

Laboratory Control Spike (LCS/LCSD) Soil QC Batch # 2001/02/07-05.04
LCS: 2001/02/07-05.04-002 Extracted: 02/06/2001 19:58 Analyzed 02/06/2001 19:58
LCSD: 2001/02/07-05.04-003 Extracted: 02/06/2001 20:29 Analyzed 02/06/2001 20:29

Compound	Conc. (mg/Kg)		Exp.Conc. (mg/Kg)		Recovery (%)		RPD	Crt. Limits (%)		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		(%)	Recovery	RPD	LCS
Gasoline	0.727	0.727	0.625	0.625	116.3	116.3	0.0	75-125	35		
Benzene	0.131	0.136	0.125	0.125	104.8	110.4	5.2	77-123	35		
Toluene	0.127	0.132	0.125	0.125	101.6	106.6	3.9	75-122	35		
Ethyl benzene	0.124	0.130	0.125	0.125	98.2	104.0	4.7	70-130	35		
Xylene(s)	0.375	0.385	0.375	0.375	100.0	105.3	5.2	75-125	35		
Surrogate(s)											
Trifluorotoluene	515	528	500	500	103.0	106.2		53-125			
4-Bromofluorobenzene-FI	598	608	600	600	119.8	121.2		58-124			

STL ChromaLab

Environmental Services (CA 1084)

Submission #: 2001-02-0010

To: H2OGeol

Test Method: 8020
8015M

Attn: Gary Lowe

Prep Method: 8030AEXT

Legend & Notes

Gas/BTEX (High Level)

Analyte Flags

g

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

sh

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

2001-02-0010

57242

H ₂ OGEOL A GROUNDWATER CONSULTANCY						CHAIN OF CUSTODY					
P.O. BOX 2185 LIVERMORE, CALIFORNIA 94551-2185						DATE 02/01/01 PAGE 1 of 1					
SAMPLER(S): Gary D. Lowe						Sample Source					
SAMPLER'S SIGNATURE <i>[Signature]</i>						1628 Webster Street Alameda, California					
ANALYTE						ANALYTE					
SAMPLE RECEIPT. TOTAL No. of CONTAINERS CHAIN OF CUSTODY SEALS REC'D GOOD CONDITION/COLD CONFORMS TO RECORD LAB NO.						TPH-gasoline+BTEX 8015M/8020 8000 fuel organics (MTBE, TBA, ETBE, TAME, & DPE), 1,2-DCA, EDB Volatile Halocarbon Compounds 8010					NUMBER OF CONTAINERS
TEMP: 4HR											
SAMPLE ID.	DATE	TIME	MATRIX	LAB ID.							
144/B4	2/1/01	10:42	SOIL		X	X	X			1	
144/B4-GW	2/1/01	10:57	WATER		X	X	X			9	
144/B5 6.5	2/1/01	09:05	SOIL		X	X	X			1	
144/B5-GW	2/1/01	09:25	WATER		X	X	X			9	
144/B6 6.5	2/1/01	10:00	SOIL		X	X	X			1	
144/B6-GW	2/1/01	10:20	WATER		X	X	X			9	
						10 DAY TURNAROUND TIME					
SIGNATURE <i>[Signature]</i>						SIGNATURE <i>[Signature]</i>					
PRINTED NAME Gary D. Lowe						PRINTED NAME H. J. L. L.					
DATE 02/01/01						DATE 02/01/01					
COMPANY H ₂ OGEOL						COMPANY					
RECEIVED BY						RECEIVED BY LABORATORY					
SIGNATURE <i>[Signature]</i>						SIGNATURE <i>[Signature]</i>					
PRINTED NAME						PRINTED NAME C. ROWLEY					
DATE						DATE 02/01/01					
COMPANY H ₂ OGEOL						COMPANY STL ChromaLab, Inc					