



CONSOLIDATED ENGINEERING
LABORATORIES

October 4, 2005

RECEIVED
OCT 07 2005
CITY OF LIVERMORE
ENGINEERING DIVISION

City of Livermore
City Hall, Engineering Division
1052 South Livermore Avenue
Livermore, California 94550-4899

Attention: Roberto Escobar, Associate Civil Engineer

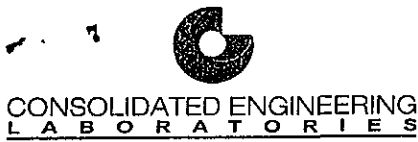
Subject: **Environmental Sampling, Testing and Evaluation of Soil**
Southeast Corner of North Livermore Avenue and First Street
Livermore, California
CEL Proposal No. 81-01777

Dear Mr. Escobar:

Pursuant to your request, Consolidated Engineering Laboratories (CEL) has provided environmental testing services for onsite soil at the subject project location as shown on Figure 1. Our representative visited the site on September 20, 2005, and collected six individual soil samples at two different locations within and near a removed underground fuel tank (Samples 1-4 in the area of the removed fuel tank; and Samples 5 and 6 at the nearby soil stockpile) located in Livermore, California. Soil samples were collected by hand auger at approximately three feet below the ground surface in each boring. Sampling was performed at the site under the direction of the local Fire Department. The sample locations are shown on the attached Figure 2.

The soil samples were transported to a California state-certified laboratory for testing. Proper chain-of-custody procedures were followed. The six soil samples were analyzed for the presence of Volatile Organic Compounds (EPA 8260B), PCB's (EPA 8082), Organochlorine Pesticides (EPA 8081), Fuel Oxygenates (EPA 8260B), Gas/BTEX Fuel Oxygenates – High Level (8260 B), and TEPH diesel and motor oil with silica gel wash (EPA 8015M). Additionally, PCB and Pesticide testing was performed on Sample 2

Analytical results are compared to pertinent Soluble Threshold Limit Concentration (STLC), Total Threshold Limit Concentration (TTLC), Environmental Screening Levels (ESL's) for surface soil, and Preliminary Remediation Goals (PRG). Copies of the laboratory reports are attached.



Contaminant concentrations in soil are generally considered to be nonhazardous if they are equal or less than the TTLC, and less than 10 times the STLC as defined by the State of California in Title 22. Two other screening tools used to assess the acceptability of soils are the Preliminary Remediation Goals (PRGs) for industrial soil provided by the US EPA, and the Environmental Screening Levels provided by the San Francisco Bay Regional Water Quality Control Board for shallow soils where groundwater is not a current or potential source of drinking water (commercial/industrial land use area).

Volatile Organic Compound concentrations were generally non-detectable. In Sample 1, however, a concentration of 140 mg/kg was detected for 1, 3, 5 – Trimethylbenzene. The PRG for this contaminant is 70 mg/kg. Concentrations of PCB's and Organochlorine Pesticides from Sample 2 were all non-detectable. For VOC, PCB and Organochlorine Pesticides, the STLC, TTLC and ESL screening levels are not available.

Concentrations of motor oil in the soil sampled were non-detectable, except in Sample #5, where 54 mg/kg of motor oil was detected. The concentration of motor oil in Sample 5 is below the Environmental Screening Level for shallow soils not a source or potential source of drinking water (1,000 mg/kg), however, the ESL for Diesel Range Organics (DRO) is 500 mg/kg. Samples 1, 2 and 3 had concentrations over the ESL (670 to 4,100 mg/kg). Samples 4, 5 and 6 were well below the ESL for DRO. For TEPH contaminants, the STLC, TTLC and PRG screening levels are not available.

Gasoline concentrations in Samples 1, 2, 3 and 6 were high. Concentrations ranged from 3,300 mg/kg to 1,200,000 mg/kg. This soil can be considered highly contaminated and remediation is probable.

It should be noted that the above screening tools are generally for action levels for contaminants in soil that is to remain in place, and different criteria may apply for soil that is to be transferred to or from a site. The local landfill or other location of proposed exported soil should be contacted to determine their requirements for accepting this material. The reported results are from representative samples of the soil, and do not necessarily represent the cleanliness of the entire site. These results should not be considered a clean bill of health, or prognosis of soil cleanliness. Local governing agencies may have stricter guideline standards that will govern this disposal of the soil.

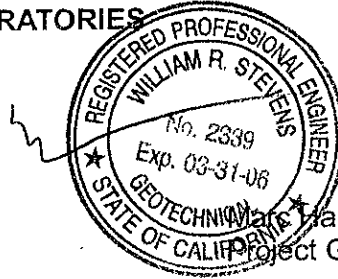


**CONSOLIDATED ENGINEERING
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It is our pleasure to be of service to you. If you should have any questions regarding this letter, please contact the undersigned at (925) 314-7100.

Sincerely,

CONSOLIDATED ENGINEERING LABORATORIES



William R. Stevens, PE 43010, GE 2339
Principal Geotechnical Engineer

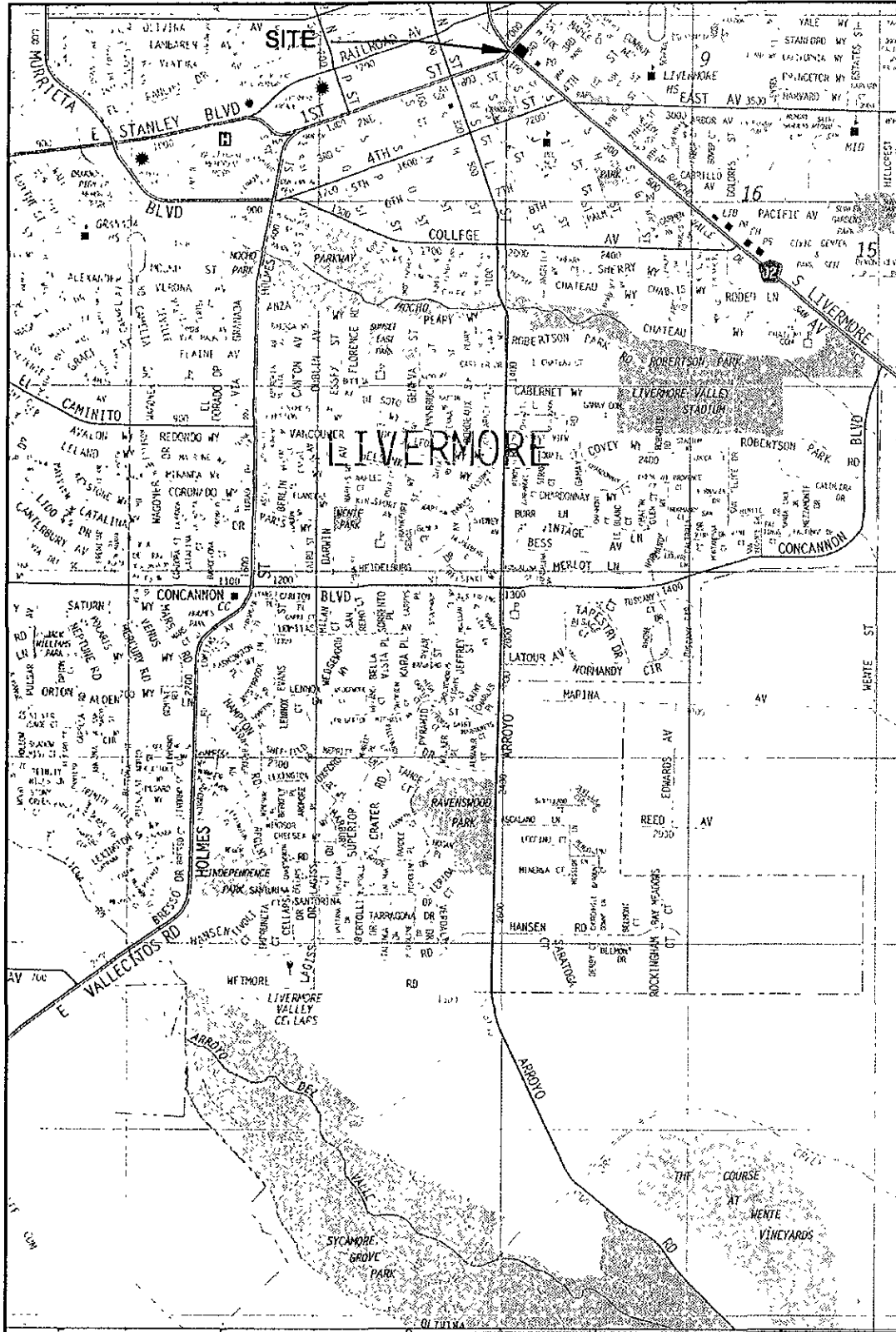
Mahe Wachey, P.G. 7833
Project Geologist

Attachments: Figure 1 Site location map
Figure 2 Site plan
STL San Francisco lab report

Distributions: 3 plus email to Addressee, (925/960-4532, Fax 925/960-4504, Cell 925/525-1615)
riescobar@ci.livermore.ca.us
I email to Mike Manning (msmanning@ci.livermore.ca.us)

WRS/MAH :jam

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First St. Soil Analytical

81-01777

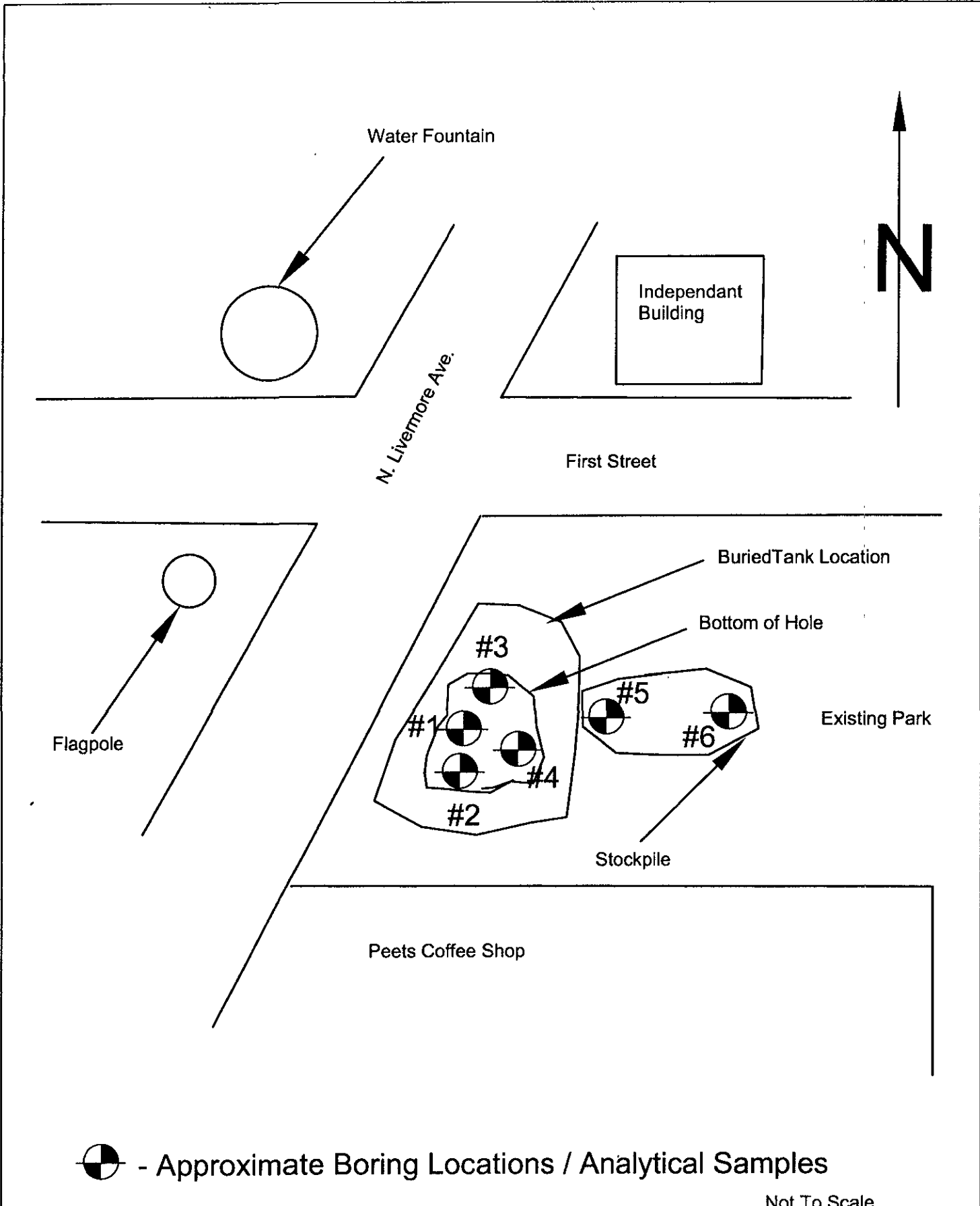
October 2005




CONSOLIDATED ENGINEERING
LABORATORIES

Livermore, California

Figure 1
Site Location Map



First St. Soil Analytical	81-01777	October 2005
 CONSOLIDATED ENGINEERING LABORATORY	Livermore, California	Figure 2 Site Plan

Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

Attn.: Marc Hachey

2001 Crow Canyon Road Suite 100
San Ramon, CA 94583
Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777

Received: 09/20/2005 15:30

N. Livermore First

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAMPLE (1) LFD	09/20/2005 02:00	Soil	1
SAMPLE (2)	09/20/2005 02:00	Soil	2
SAMPLE (3)	09/20/2005 02:00	Soil	3
SAMPLE (4)	09/20/2005 02:00	Soil	4
SAMPLE (5)	09/20/2005 02:00	Soil	5
SAMPLE (6)	09/20/2005 02:00	Soil	6

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

09/30/2005 10:41

Volatile Organic Compounds by 8260B (Low Level)

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 Project: 81-01777
 N. Livermore First

Received: 09/20/2005 15:30

Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (1) LFD	Lab ID:	2005-09-0502 - 1
Sampled:	09/20/2005 02:00	Extracted:	9/30/2005 02:57
Matrix:	Soil	QC Batch#:	2005/09/29-01.08
Analysis Flag: L1 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Acetone	ND	170	ug/Kg	3.45	09/30/2005 02:57	
Benzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Bromodichloromethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Bromobenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Bromochloromethane	ND	69	ug/Kg	3.45	09/30/2005 02:57	
Bromoform	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Bromomethane	ND	34	ug/Kg	3.45	09/30/2005 02:57	
2-Butanone(MEK)	ND	170	ug/Kg	3.45	09/30/2005 02:57	
n-Butylbenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
sec-Butylbenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
tert-Butylbenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Carbon disulfide	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Carbon tetrachloride	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Chlorobenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Chloroethane	ND	34	ug/Kg	3.45	09/30/2005 02:57	
Chloroform	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Chloromethane	ND	34	ug/Kg	3.45	09/30/2005 02:57	
2-Chlorotoluene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
4-Chlorotoluene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Dibromochloromethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,2-Dichlorobenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,3-Dichlorobenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,4-Dichlorobenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,3-Dichloropropane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
2,2-Dichloropropane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,1-Dichloropropene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,2-Dibromo-3-chloropropane	ND	170	ug/Kg	3.45	09/30/2005 02:57	
1,2-Dibromoethane	ND	34	ug/Kg	3.45	09/30/2005 02:57	

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Matrix: Soil QC Batch#: 2005/09/29-01.08
Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	34	ug/Kg	3.45	09/30/2005 02:57	
Dichlorodifluoromethane	ND	34	ug/Kg	3.45	09/30/2005 02:57	
1,1-Dichloroethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,2-Dichloroethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,1-Dichloroethene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
cis-1,2-Dichloroethene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
trans-1,2-Dichloroethene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,2-Dichloropropane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
cis-1,3-Dichloropropene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
trans-1,3-Dichloropropene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Ethylbenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Hexachlorobutadiene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
2-Hexanone	ND	170	ug/Kg	3.45	09/30/2005 02:57	
Isopropylbenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
p-Isopropyltoluene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Methylene chloride	ND	34	ug/Kg	3.45	09/30/2005 02:57	
4-Methyl-2-pentanone (MIBK)	ND	170	ug/Kg	3.45	09/30/2005 02:57	
Naphthalene	ND	34	ug/Kg	3.45	09/30/2005 02:57	
n-Propylbenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Styrene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,1,1,2-Tetrachloroethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,1,2,2-Tetrachloroethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Tetrachloroethene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Toluene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,2,3-Trichlorobenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,2,4-Trichlorobenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,1,1-Trichloroethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,1,2-Trichloroethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Trichloroethene	ND	17	ug/Kg	3.45	09/30/2005 02:57	

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Matrix: Soil QC Batch#: 2005/09/29-01.08
Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Trichlorotrifluoroethane	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,2,4-Trimethylbenzene	ND	17	ug/Kg	3.45	09/30/2005 02:57	
1,3,5-Trimethylbenzene	140	17	ug/Kg	3.45	09/30/2005 02:57	
Vinyl acetate	ND	170	ug/Kg	3.45	09/30/2005 02:57	
Vinyl chloride	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Total xylenes	ND	17	ug/Kg	3.45	09/30/2005 02:57	
Surrogate(s)						
4-Bromofluorobenzene	274.2	60-130	%	3.45	09/30/2005 02:57	S5
1,2-Dichloroethane-d4	109.3	60-140	%	3.45	09/30/2005 02:57	
Toluene-d8	105.9	70-130	%	3.45	09/30/2005 02:57	

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Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (2)	Lab ID:	2005-09-0502 - 2
Sampled:	09/20/2005 02:00	Extracted:	9/30/2005 03:31
Matrix:	Soil	QC Batch#:	2005/09/29-01.08

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Acetone	ND	50	ug/Kg	1.00	09/30/2005 03:31	
Benzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Bromobenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Bromochloromethane	ND	20	ug/Kg	1.00	09/30/2005 03:31	
Bromoform	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Bromomethane	ND	10	ug/Kg	1.00	09/30/2005 03:31	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	09/30/2005 03:31	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Carbon disulfide	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Chlorobenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Chloroethane	ND	10	ug/Kg	1.00	09/30/2005 03:31	
Chloroform	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Chloromethane	ND	10	ug/Kg	1.00	09/30/2005 03:31	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	09/30/2005 03:31	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	09/30/2005 03:31	
Dibromomethane	ND	10	ug/Kg	1.00	09/30/2005 03:31	

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Matrix:	Soil	QC Batch#:	2005/09/29-01.08

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	09/30/2005 03:31	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Ethylbenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
2-Hexanone	ND	50	ug/Kg	1.00	09/30/2005 03:31	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Methylene chloride	ND	10	ug/Kg	1.00	09/30/2005 03:31	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	09/30/2005 03:31	
Naphthalene	ND	10	ug/Kg	1.00	09/30/2005 03:31	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Styrene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Toluene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Trichloroethene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	

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Matrix:	Soil	QC Batch#:	2005/09/29-01:08

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Vinyl acetate	ND	50	ug/Kg	1.00	09/30/2005 03:31	
Vinyl chloride	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Total xylenes	ND	5.0	ug/Kg	1.00	09/30/2005 03:31	
Surrogate(s)						
4-Bromofluorobenzene	97.5	60-130	%	1.00	09/30/2005 03:31	
1,2-Dichloroethane-d4	110.8	60-140	%	1.00	09/30/2005 03:31	
Toluene-d8	90.6	70-130	%	1.00	09/30/2005 03:31	

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09/30/2005 10:41

Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

Attn.: Marc Hachey

 2001 Crow Canyon Road Suite 100
 San Ramon, CA 94583
 Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777

Received: 09/20/2005 15:30

N. Livermore First

Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (3)	Lab ID:	2005-09-0502 - 3
Sampled:	09/20/2005 02:00	Extracted:	9/30/2005 04:04
Matrix:	Soil	QC Batch#:	2005/09/29-01.08
Analysis Flag: L1 (See Legend and Note Section)			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Acetone	ND	220	ug/Kg	4.35	09/30/2005 04:04	
Benzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Bromodichloromethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Bromobenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Bromochloromethane	ND	87	ug/Kg	4.35	09/30/2005 04:04	
Bromoform	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Bromomethane	ND	43	ug/Kg	4.35	09/30/2005 04:04	
2-Butanone(MEK)	ND	220	ug/Kg	4.35	09/30/2005 04:04	
n-Butylbenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
sec-Butylbenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
tert-Butylbenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Carbon disulfide	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Carbon tetrachloride	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Chlorobenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Chloroethane	ND	43	ug/Kg	4.35	09/30/2005 04:04	
Chloroform	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Chloromethane	ND	43	ug/Kg	4.35	09/30/2005 04:04	
2-Chlorotoluene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
4-Chlorotoluene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Dibromochloromethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,2-Dichlorobenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,3-Dichlorobenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,4-Dichlorobenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,3-Dichloropropane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
2,2-Dichloropropane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,1-Dichloropropene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,2-Dibromo-3-chloropropane	ND	220	ug/Kg	4.35	09/30/2005 04:04	
1,2-Dibromoethane	ND	43	ug/Kg	4.35	09/30/2005 04:04	

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s): 5035 Test(s): 8260B
Sample ID: **SAMPLE (3)** Lab ID: 2005-09-0502 - 3
Sampled: 09/20/2005 02:00 Extracted: 9/30/2005 04:04
Matrix: Soil QC Batch#: 2005/09/29-01.08
Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dibromomethane	ND	43	ug/Kg	4.35	09/30/2005 04:04	
Dichlorodifluoromethane	ND	43	ug/Kg	4.35	09/30/2005 04:04	
1,1-Dichloroethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,2-Dichloroethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,1-Dichloroethene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
cis-1,2-Dichloroethene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
trans-1,2-Dichloroethene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,2-Dichloropropane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
cis-1,3-Dichloropropene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
trans-1,3-Dichloropropene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Ethylbenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Hexachlorobutadiene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
2-Hexanone	ND	220	ug/Kg	4.35	09/30/2005 04:04	
Isopropylbenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
p-Isopropyltoluene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Methylene chloride	ND	43	ug/Kg	4.35	09/30/2005 04:04	
4-Methyl-2-pentanone (MIBK)	ND	220	ug/Kg	4.35	09/30/2005 04:04	
Naphthalene	ND	43	ug/Kg	4.35	09/30/2005 04:04	
n-Propylbenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Styrene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,1,1,2-Tetrachloroethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,1,2,2-Tetrachloroethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Tetrachloroethene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Toluene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,2,3-Trichlorobenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,2,4-Trichlorobenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,1,1-Trichloroethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,1,2-Trichloroethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Trichloroethene	ND	22	ug/Kg	4.35	09/30/2005 04:04	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s): 5035 Test(s): 8260B
Sample ID: **SAMPLE (3)** Lab ID: 2005-09-0502 - 3
Sampled: 09/20/2005 02:00 Extracted: 9/30/2005 04:04
Matrix: Soil QC Batch#: 2005/09/29-01.08
Analysis Flag: L1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Trichlorofluoromethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Trichlorotrifluoroethane	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,2,4-Trimethylbenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
1,3,5-Trimethylbenzene	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Vinyl acetate	ND	220	ug/Kg	4.35	09/30/2005 04:04	
Vinyl chloride	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Total xylenes	ND	22	ug/Kg	4.35	09/30/2005 04:04	
Surrogate(s)						
4-Bromofluorobenzene	88.2	60-130	%	4.35	09/30/2005 04:04	
1,2-Dichloroethane-d4	111.7	60-140	%	4.35	09/30/2005 04:04	
Toluene-d8	89.1	70-130	%	4.35	09/30/2005 04:04	

Volatile Organic Compounds by 8260B (Low Level)

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Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (4)	Lab ID:	2005-09-0502 - 4
Sampled:	09/20/2005 02:00	Extracted:	9/28/2005 20:01
Matrix:	Soil	QC Batch#:	2005/09/28-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Acetone	ND	50	ug/Kg	1.00	09/28/2005 20:01	
Benzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Bromobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Bromochloromethane	ND	20	ug/Kg	1.00	09/28/2005 20:01	
Bromoform	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Bromomethane	ND	10	ug/Kg	1.00	09/28/2005 20:01	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	09/28/2005 20:01	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Carbon disulfide	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Chlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Chloroethane	ND	10	ug/Kg	1.00	09/28/2005 20:01	
Chloroform	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Chloromethane	ND	10	ug/Kg	1.00	09/28/2005 20:01	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	09/28/2005 20:01	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	09/28/2005 20:01	
Dibromomethane	ND	10	ug/Kg	1.00	09/28/2005 20:01	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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 Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (4)	Lab ID:	2005-09-0502 - 4
Sampled:	09/20/2005 02:00	Extracted:	9/28/2005 20:01
Matrix:	Soil	QC Batch#:	2005/09/28-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	09/28/2005 20:01	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Ethylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
2-Hexanone	ND	50	ug/Kg	1.00	09/28/2005 20:01	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Methylene chloride	ND	10	ug/Kg	1.00	09/28/2005 20:01	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	09/28/2005 20:01	
Naphthalene	ND	10	ug/Kg	1.00	09/28/2005 20:01	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Styrene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Toluene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Trichloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

Attn.: Marc Hachey

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Prep(s): 5035 Test(s): 8260B
Sample ID: **SAMPLE (4)** Lab ID: 2005-09-0502 - 4
Sampled: 09/20/2005 02:00 Extracted: 9/28/2005 20:01
Matrix: Soil QC Batch#: 2005/09/28-01:70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Vinyl acetate	ND	50	ug/Kg	1.00	09/28/2005 20:01	
Vinyl chloride	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Total xylenes	ND	5.0	ug/Kg	1.00	09/28/2005 20:01	
Surrogate(s)						
4-Bromofluorobenzene	95.0	60-130	%	1.00	09/28/2005 20:01	
1,2-Dichloroethane-d4	110.0	60-140	%	1.00	09/28/2005 20:01	
Toluene-d8	91.4	70-130	%	1.00	09/28/2005 20:01	

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Volatile Organic Compounds by 8260B (Low Level)

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Received: 09/20/2005 15:30

Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (5)	Lab ID:	2005-09-0502 - 5
Sampled:	09/20/2005 02:00	Extracted:	9/28/2005 20:34
Matrix:	Soil	QC Batch#:	2005/09/28-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Acetone	ND	50	ug/Kg	1.00	09/28/2005 20:34	
Benzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Bromobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Bromochloromethane	ND	20	ug/Kg	1.00	09/28/2005 20:34	
Bromoform	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Bromomethane	ND	10	ug/Kg	1.00	09/28/2005 20:34	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	09/28/2005 20:34	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Carbon disulfide	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Chlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Chloroethane	ND	10	ug/Kg	1.00	09/28/2005 20:34	
Chloroform	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Chloromethane	ND	10	ug/Kg	1.00	09/28/2005 20:34	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	09/28/2005 20:34	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	09/28/2005 20:34	
Dibromomethane	ND	10	ug/Kg	1.00	09/28/2005 20:34	

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Project: 81-01777

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Received: 09/20/2005 15:30

Prep(s): 5035 Test(s): 8260B
Sample ID: **SAMPLE (5)** Lab ID: 2005-09-0502 - 5
Sampled: 09/20/2005 02:00 Extracted: 9/28/2005 20:34
Matrix: Soil QC Batch#: 2005/09/28-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	09/28/2005 20:34	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Ethylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
2-Hexanone	ND	50	ug/Kg	1.00	09/28/2005 20:34	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Methylene chloride	ND	10	ug/Kg	1.00	09/28/2005 20:34	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	09/28/2005 20:34	
Naphthalene	ND	10	ug/Kg	1.00	09/28/2005 20:34	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Styrene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Toluene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Trichloroethene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	

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09/30/2005 10:41

Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

Attn.: Marc Hachey

2001 Crow Canyon Road Suite 100
San Ramon, CA 94583
Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777

N. Livermore First

Received: 09/20/2005 15:30

Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (5)	Lab ID:	2005-09-0502 - 5
Sampled:	09/20/2005 02:00	Extracted:	9/28/2005 20:34
Matrix:	Soil	QC Batch#:	2005/09/28-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Vinyl acetate	ND	50	ug/Kg	1.00	09/28/2005 20:34	
Vinyl chloride	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Total xylenes	ND	5.0	ug/Kg	1.00	09/28/2005 20:34	
Surrogate(s)						
4-Bromofluorobenzene	104.3	60-130	%	1.00	09/28/2005 20:34	
1,2-Dichloroethane-d4	106.8	60-140	%	1.00	09/28/2005 20:34	
Toluene-d8	99.1	70-130	%	1.00	09/28/2005 20:34	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (6)	Lab ID:	2005-09-0502 - 6
Sampled:	09/20/2005 02:00	Extracted:	9/29/2005 20:45
Matrix:	Soil	QC Batch#:	2005/09/29-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Acetone	ND	50	ug/Kg	1.00	09/29/2005 20:45	
Benzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Bromodichloromethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Bromobenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Bromochloromethane	ND	20	ug/Kg	1.00	09/29/2005 20:45	
Bromoform	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Bromomethane	ND	10	ug/Kg	1.00	09/29/2005 20:45	
2-Butanone(MEK)	ND	50	ug/Kg	1.00	09/29/2005 20:45	
n-Butylbenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
sec-Butylbenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
tert-Butylbenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Carbon disulfide	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Carbon tetrachloride	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Chlorobenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Chloroethane	ND	10	ug/Kg	1.00	09/29/2005 20:45	
Chloroform	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Chloromethane	ND	10	ug/Kg	1.00	09/29/2005 20:45	
2-Chlorotoluene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
4-Chlorotoluene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Dibromochloromethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,3-Dichloropropane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
2,2-Dichloropropane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,1-Dichloropropene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	1.00	09/29/2005 20:45	
1,2-Dibromoethane	ND	10	ug/Kg	1.00	09/29/2005 20:45	
Dibromomethane	ND	10	ug/Kg	1.00	09/29/2005 20:45	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s):	5035	Test(s):	8260B
Sample ID:	SAMPLE (6)	Lab ID:	2005-09-0502 - 6
Sampled:	09/20/2005 02:00	Extracted:	9/29/2005 20:45
Matrix:	Soil	QC Batch#:	2005/09/29-01.70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	1.00	09/29/2005 20:45	
1,1-Dichloroethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,2-Dichloroethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,1-Dichloroethene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,2-Dichloropropane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Ethylbenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Hexachlorobutadiene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
2-Hexanone	ND	50	ug/Kg	1.00	09/29/2005 20:45	
Isopropylbenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
p-Isopropyltoluene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Methylene chloride	ND	10	ug/Kg	1.00	09/29/2005 20:45	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	1.00	09/29/2005 20:45	
Naphthalene	ND	10	ug/Kg	1.00	09/29/2005 20:45	
n-Propylbenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Styrene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Tetrachloroethene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Toluene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Trichloroethene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Trichlorofluoromethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

Attn.: Marc Hachey

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Prep(s): 5035	Test(s): 8260B
Sample ID: SAMPLE (6)	Lab ID: 2005-09-0502 - 6
Sampled: 09/20/2005 02:00	Extracted: 9/29/2005 20:45
Matrix: Soil	QC Batch#: 2005/09/29-01 70

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Vinyl acetate	ND	50	ug/Kg	1.00	09/29/2005 20:45	
Vinyl chloride	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Total xylenes	ND	5.0	ug/Kg	1.00	09/29/2005 20:45	
Surrogate(s)						
4-Bromofluorobenzene	98.9	60-130	%	1.00	09/29/2005 20:45	
1,2-Dichloroethane-d4	101.4	60-140	%	1.00	09/29/2005 20:45	
Toluene-d8	89.6	70-130	%	1.00	09/29/2005 20:45	

Volatile Organic Compounds by 8260B (Low Level)

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Project: 81-01777

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2005/09/28-01.70-039

Soil

Test(s): 8260B

QC Batch # 2005/09/28-01.70

Date Extracted: 09/28/2005 10:39

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	09/28/2005 10:39	
Acetone	ND	50	ug/Kg	09/28/2005 10:39	
Benzene	ND	5.0	ug/Kg	09/28/2005 10:39	
Bromodichloromethane	ND	5.0	ug/Kg	09/28/2005 10:39	
Bromobenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
Bromochloromethane	ND	20	ug/Kg	09/28/2005 10:39	
Bromoform	ND	5.0	ug/Kg	09/28/2005 10:39	
Bromomethane	ND	10	ug/Kg	09/28/2005 10:39	
2-Butanone(MEK)	ND	50	ug/Kg	09/28/2005 10:39	
n-Butylbenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
sec-Butylbenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
tert-Butylbenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
Carbon disulfide	ND	5.0	ug/Kg	09/28/2005 10:39	
Carbon tetrachloride	ND	5.0	ug/Kg	09/28/2005 10:39	
Chlorobenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
Chloroethane	ND	10	ug/Kg	09/28/2005 10:39	
Chloroform	ND	5.0	ug/Kg	09/28/2005 10:39	
Chloromethane	ND	10	ug/Kg	09/28/2005 10:39	
2-Chlorotoluene	ND	5.0	ug/Kg	09/28/2005 10:39	
4-Chlorotoluene	ND	5.0	ug/Kg	09/28/2005 10:39	
Dibromochloromethane	ND	5.0	ug/Kg	09/28/2005 10:39	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,3-Dichloropropane	ND	5.0	ug/Kg	09/28/2005 10:39	
2,2-Dichloropropane	ND	5.0	ug/Kg	09/28/2005 10:39	
1,1-Dichloropropene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	09/28/2005 10:39	
1,2-Dibromoethane	ND	10	ug/Kg	09/28/2005 10:39	
Dibromomethane	ND	10	ug/Kg	09/28/2005 10:39	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035
Method Blank
MB: 2005/09/28-01.70-039

Soil

Test(s): 8260B
QC Batch # 2005/09/28-01.70
Date Extracted: 09/28/2005 10:39

Compound	Conc.	RL	Unit	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/Kg	09/28/2005 10:39	
1,1-Dichloroethane	ND	5.0	ug/Kg	09/28/2005 10:39	
1,2-Dichloroethane	ND	5.0	ug/Kg	09/28/2005 10:39	
1,1-Dichloroethene	ND	5.0	ug/Kg	09/28/2005 10:39	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	09/28/2005 10:39	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,2-Dichloropropane	ND	5.0	ug/Kg	09/28/2005 10:39	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	09/28/2005 10:39	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	09/28/2005 10:39	
Ethylbenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
Hexachlorobutadiene	ND	5.0	ug/Kg	09/28/2005 10:39	
2-Hexanone	ND	50	ug/Kg	09/28/2005 10:39	
Isopropylbenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
p-Isopropyltoluene	ND	5.0	ug/Kg	09/28/2005 10:39	
Methylene chloride	ND	10	ug/Kg	09/28/2005 10:39	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	09/28/2005 10:39	
Naphthalene	ND	10	ug/Kg	09/28/2005 10:39	
n-Propylbenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
Styrene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	09/28/2005 10:39	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	09/28/2005 10:39	
Tetrachloroethene	ND	5.0	ug/Kg	09/28/2005 10:39	
Toluene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	09/28/2005 10:39	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	09/28/2005 10:39	
Trichloroethene	ND	5.0	ug/Kg	09/28/2005 10:39	
Trichlorofluoromethane	ND	5.0	ug/Kg	09/28/2005 10:39	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	09/28/2005 10:39	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	09/28/2005 10:39	

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Volatile Organic Compounds by 8260B (Low Level)

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2005/09/28-01.70-039

Soil

Test(s): 8260B

QC Batch # 2005/09/28-01.70

Date Extracted: 09/28/2005 10:39

Compound	Conc.	RL	Unit	Analyzed	Flag
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	09/28/2005 10:39	
Vinyl acetate	ND	50	ug/Kg	09/28/2005 10:39	
Vinyl chloride	ND	5.0	ug/Kg	09/28/2005 10:39	
Total xylenes	ND	5.0	ug/Kg	09/28/2005 10:39	
Surrogates(s)					
4-Bromofluorobenzene	100.1	60-130	%	09/28/2005 10:39	
1,2-Dichloroethane-d4	96.6	60-140	%	09/28/2005 10:39	
Toluene-d8	102.3	70-130	%	09/28/2005 10:39	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2005/09/29-01.08-017

Soil

Test(s): 8260B

QC Batch # 2005/09/29-01.08

Date Extracted: 09/29/2005 18:01

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	09/29/2005 18:01	
Acetone	ND	50	ug/Kg	09/29/2005 18:01	
Benzene	ND	5.0	ug/Kg	09/29/2005 18:01	
Bromodichloromethane	ND	5.0	ug/Kg	09/29/2005 18:01	
Bromobenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
Bromochloromethane	ND	20	ug/Kg	09/29/2005 18:01	
Bromoform	ND	5.0	ug/Kg	09/29/2005 18:01	
Bromomethane	ND	10	ug/Kg	09/29/2005 18:01	
2-Butanone(MEK)	ND	50	ug/Kg	09/29/2005 18:01	
n-Butylbenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
sec-Butylbenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
tert-Butylbenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
Carbon disulfide	ND	5.0	ug/Kg	09/29/2005 18:01	
Carbon tetrachloride	ND	5.0	ug/Kg	09/29/2005 18:01	
Chlorobenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
Chloroethane	ND	10	ug/Kg	09/29/2005 18:01	
Chloroform	ND	5.0	ug/Kg	09/29/2005 18:01	
Chloromethane	ND	10	ug/Kg	09/29/2005 18:01	
2-Chlorotoluene	ND	5.0	ug/Kg	09/29/2005 18:01	
4-Chlorotoluene	ND	5.0	ug/Kg	09/29/2005 18:01	
Dibromochloromethane	ND	5.0	ug/Kg	09/29/2005 18:01	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,3-Dichloropropane	ND	5.0	ug/Kg	09/29/2005 18:01	
2,2-Dichloropropane	ND	5.0	ug/Kg	09/29/2005 18:01	
1,1-Dichloropropene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	09/29/2005 18:01	
1,2-Dibromoethane	ND	10	ug/Kg	09/29/2005 18:01	
Dibromomethane	ND	10	ug/Kg	09/29/2005 18:01	
Dichlorodifluoromethane	ND	10	ug/Kg	09/29/2005 18:01	

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09/30/2005 10:41

Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

Attn.: Marc Hachey

2001 Crow Canyon Road Suite 100
San Ramon, CA 94583
Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777

N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2005/09/29-01.08-017

Soil

Test(s): 8260B

QC Batch # 2005/09/29-01.08

Date Extracted: 09/29/2005 18:01

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	09/29/2005 18:01	
1,2-Dichloroethane	ND	5.0	ug/Kg	09/29/2005 18:01	
1,1-Dichloroethene	ND	5.0	ug/Kg	09/29/2005 18:01	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	09/29/2005 18:01	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,2-Dichloropropane	ND	5.0	ug/Kg	09/29/2005 18:01	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	09/29/2005 18:01	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	09/29/2005 18:01	
Ethylbenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
Hexachlorobutadiene	ND	5.0	ug/Kg	09/29/2005 18:01	
2-Hexanone	ND	50	ug/Kg	09/29/2005 18:01	
Isopropylbenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
p-Isopropyltoluene	ND	5.0	ug/Kg	09/29/2005 18:01	
Methylene chloride	ND	10	ug/Kg	09/29/2005 18:01	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	09/29/2005 18:01	
Naphthalene	ND	10	ug/Kg	09/29/2005 18:01	
n-Propylbenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
Styrene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	09/29/2005 18:01	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	09/29/2005 18:01	
Tetrachloroethene	ND	5.0	ug/Kg	09/29/2005 18:01	
Toluene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	09/29/2005 18:01	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	09/29/2005 18:01	
Trichloroethene	ND	5.0	ug/Kg	09/29/2005 18:01	
Trichlorofluoromethane	ND	5.0	ug/Kg	09/29/2005 18:01	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	09/29/2005 18:01	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	09/29/2005 18:01	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	09/29/2005 18:01	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035
Method Blank
MB: 2005/09/29-01.08-017

Soil

Test(s): 8260B
QC Batch # 2005/09/29-01.08
Date Extracted: 09/29/2005 18:01

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	09/29/2005 18:01	
Vinyl chloride	ND	5.0	ug/Kg	09/29/2005 18:01	
Total xylenes	ND	5.0	ug/Kg	09/29/2005 18:01	
Surrogates(s)					
4-Bromofluorobenzene	112.8	60-130	%	09/29/2005 18:01	
1,2-Dichloroethane-d4	108.4	60-140	%	09/29/2005 18:01	
Toluene-d8	100.4	70-130	%	09/29/2005 18:01	

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035

Method Blank

MB: 2005/09/29-01.70-043

Soil

Test(s): 8260B

QC Batch # 2005/09/29-01.70

Date Extracted: 09/29/2005 10:43

Compound	Conc.	RL	Unit	Analyzed	Flag
MTBE	ND	5.0	ug/Kg	09/29/2005 10:43	
Acetone	ND	50	ug/Kg	09/29/2005 10:43	
Benzene	ND	5.0	ug/Kg	09/29/2005 10:43	
Bromodichloromethane	ND	5.0	ug/Kg	09/29/2005 10:43	
Bromobenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
Bromochloromethane	ND	20	ug/Kg	09/29/2005 10:43	
Bromoform	ND	5.0	ug/Kg	09/29/2005 10:43	
Bromomethane	ND	10	ug/Kg	09/29/2005 10:43	
2-Butanone(MEK)	ND	50	ug/Kg	09/29/2005 10:43	
n-Butylbenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
sec-Butylbenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
tert-Butylbenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
Carbon disulfide	ND	5.0	ug/Kg	09/29/2005 10:43	
Carbon tetrachloride	ND	5.0	ug/Kg	09/29/2005 10:43	
Chlorobenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
Chloroethane	ND	10	ug/Kg	09/29/2005 10:43	
Chloroform	ND	5.0	ug/Kg	09/29/2005 10:43	
Chloromethane	ND	10	ug/Kg	09/29/2005 10:43	
2-Chlorotoluene	ND	5.0	ug/Kg	09/29/2005 10:43	
4-Chlorotoluene	ND	5.0	ug/Kg	09/29/2005 10:43	
Dibromochloromethane	ND	5.0	ug/Kg	09/29/2005 10:43	
1,2-Dichlorobenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,3-Dichlorobenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,4-Dichlorobenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,3-Dichloropropane	ND	5.0	ug/Kg	09/29/2005 10:43	
2,2-Dichloropropane	ND	5.0	ug/Kg	09/29/2005 10:43	
1,1-Dichloropropene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	09/29/2005 10:43	
1,2-Dibromoethane	ND	10	ug/Kg	09/29/2005 10:43	
Dibromomethane	ND	10	ug/Kg	09/29/2005 10:43	
Dichlorodifluoromethane	ND	10	ug/Kg	09/29/2005 10:43	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777

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Batch QC Report

Prep(s): 5035

Test(s): 8260B

Method Blank

Soil

QC Batch # 2005/09/29-01.70

MB: 2005/09/29-01.70-043

Date Extracted: 09/29/2005 10:43

Compound	Conc.	RL	Unit	Analyzed	Flag
1,1-Dichloroethane	ND	5.0	ug/Kg	09/29/2005 10:43	
1,2-Dichloroethane	ND	5.0	ug/Kg	09/29/2005 10:43	
1,1-Dichloroethene	ND	5.0	ug/Kg	09/29/2005 10:43	
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	09/29/2005 10:43	
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,2-Dichloropropane	ND	5.0	ug/Kg	09/29/2005 10:43	
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	09/29/2005 10:43	
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	09/29/2005 10:43	
Ethylbenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
Hexachlorobutadiene	ND	5.0	ug/Kg	09/29/2005 10:43	
2-Hexanone	ND	50	ug/Kg	09/29/2005 10:43	
Isopropylbenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
p-Isopropyltoluene	ND	5.0	ug/Kg	09/29/2005 10:43	
Methylene chloride	ND	10	ug/Kg	09/29/2005 10:43	
4-Methyl-2-pentanone (MIBK)	ND	50	ug/Kg	09/29/2005 10:43	
Naphthalene	ND	10	ug/Kg	09/29/2005 10:43	
n-Propylbenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
Styrene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	09/29/2005 10:43	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/Kg	09/29/2005 10:43	
Tetrachloroethene	ND	5.0	ug/Kg	09/29/2005 10:43	
Toluene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,1,1-Trichloroethane	ND	5.0	ug/Kg	09/29/2005 10:43	
1,1,2-Trichloroethane	ND	5.0	ug/Kg	09/29/2005 10:43	
Trichloroethene	ND	5.0	ug/Kg	09/29/2005 10:43	
Trichlorofluoromethane	ND	5.0	ug/Kg	09/29/2005 10:43	
Trichlorotrifluoroethane	ND	5.0	ug/Kg	09/29/2005 10:43	
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	09/29/2005 10:43	
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	09/29/2005 10:43	

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777
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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035
Method Blank
MB: 2005/09/29-01.70-043

Soil

Test(s): 8260B
QC Batch # 2005/09/29-01.70
Date Extracted: 09/29/2005 10:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Vinyl acetate	ND	50	ug/Kg	09/29/2005 10:43	
Vinyl chloride	ND	5.0	ug/Kg	09/29/2005 10:43	
Total xylenes	ND	5.0	ug/Kg	09/29/2005 10:43	
Surrogates(s)					
4-Bromofluorobenzene	91.5	60-130	%	09/29/2005 10:43	
1,2-Dichloroethane-d4	96.4	60-140	%	09/29/2005 10:43	
Toluene-d8	102.2	70-130	%	09/29/2005 10:43	

Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777

N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/09/28-01.70

LCS 2005/09/28-01.70-005

Extracted: 09/28/2005

Analyzed: 09/28/2005 10:05

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	96.3		100.0	96.3			69-129	20		
Chlorobenzene	102		100.0	102.0			61-121	20		
1,1-Dichloroethene	95.1		100.0	95.1			65-125	20		
Toluene	95.2		100.0	95.2			70-130	20		
Trichloroethene	96.9		100.0	96.9			74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	530		500	106.0			60-130			
1,2-Dichloroethane-d4	497		500	99.4			60-140			
Toluene-d8	503		500	100.6			70-130			

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/09/29-01.08

LCS 2005/09/29-01.08-016

Extracted: 09/29/2005

Analyzed: 09/29/2005 17:27

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	101		100.0	101.0			69-129	20		
Chlorobenzene	102		100.0	102.0			61-121	20		
1,1-Dichloroethene	105		100.0	105.0			65-125	20		
Toluene	102		100.0	102.0			70-130	20		
Trichloroethene	101		100.0	101.0			74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	564		500	112.8			60-130			
1,2-Dichloroethane-d4	556		500	111.2			60-140			
Toluene-d8	505		500	101.0			70-130			

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/09/29-01.70

LCS 2005/09/29-01.70-010

Extracted: 09/29/2005

Analyzed: 09/29/2005 10:10

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	88.3		100.0	88.3			69-129	20		
Chlorobenzene	91.9		100.0	91.9			61-121	20		
1,1-Dichloroethene	80.8		100.0	80.8			65-125	20		
Toluene	90.3		100.0	90.3			70-130	20		
Trichloroethene	90.0		100.0	90.0			74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	469		500	93.8			60-130			
1,2-Dichloroethane-d4	493		500	98.6			60-140			
Toluene-d8	512		500	102.4			70-130			

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Volatile Organic Compounds by 8260B (Low Level)

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5035 Test(s): 8260B

Matrix Spike (MS / MSD) **Soil** **QC Batch # 2005/09/28-01.70**

MS/MSD **Lab ID: 2005-09-0441 - 027**

MS: 2005/09/28-01.70-012 **Extracted: 09/28/2005** **Analyzed: 09/28/2005 12:12**

MSD: 2005/09/28-01.70-045 **Extracted: 09/28/2005** **Dilution: 1.00**

Analyzed: 09/28/2005 12:45

Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	86.3	94.5	ND	96.3	89.6	96.4	7.3	69-129	20		
Chlorobenzene	92.0	96.3	ND	96.3	95.5	98.3	2.9	61-121	20		
1,1-Dichloroethene	91.1	88.2	ND	96.3	94.6	90.0	5.0	65-125	20		
Toluene	93.6	90.9	ND	96.3	97.2	92.8	4.6	70-130	20		
Trichloroethene	85.1	87.5	ND	96.3	88.4	89.3	1.0	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	591	522		500	118.3	104.4		60-130			
1,2-Dichloroethane-d4	486	497		500	97.1	99.3		60-140			
Toluene-d8	517	481		500	103.4	96.1		70-130			

Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777

Received: 09/20/2005 15:30

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Batch QC Report

Prep(s): 5035

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/09/29-01.08

MS/MSD

Lab ID: 2005-09-0668 - 005

MS: 2005/09/29-01.08-019

Extracted: 09/29/2005

Analyzed: 09/29/2005 19:08

Dilution: 1.00

MSD: 2005/09/29-01.08-020

Extracted: 09/29/2005

Analyzed: 09/29/2005 19:42

Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	94.6	90.1	ND	89.1	106.2	104.9	1.2	69-129	20		
Chlorobenzene	93.3	88.9	ND	89.1	104.7	103.5	1.2	61-121	20		
1,1-Dichloroethene	99.7	94.2	ND	89.1	111.9	109.7	2.0	65-125	20		
Toluene	93.4	89.2	ND	89.1	104.8	103.8	1.0	70-130	20		
Trichloroethene	93.7	89.2	ND	89.1	105.2	103.8	1.3	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	584	591		500	116.8	118.2		60-130			
1,2-Dichloroethane-d4	644	650		500	128.8	130.0		60-140			
Toluene-d8	499	502		500	99.8	100.4		70-130			

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Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

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Project: 81-01777
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Batch QC Report

Prep(s): 5035

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/09/29-01.70

MS/MSD

Lab ID: 2005-09-0573 - 016

MS: 2005/09/29-01.70-023

Extracted: 09/29/2005

Analyzed: 09/29/2005 12:23

Dilution: 1.00

MSD: 2005/09/29-01.70-056

Extracted: 09/29/2005

Analyzed: 09/29/2005 12:56

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec	RPD	MS
Benzene	102	100	ND	107	95.3	90.9	4.7	69-129	20		
Chlorobenzene	107	106	ND	107	100.0	96.4	3.7	61-121	20		
1,1-Dichloroethene	110	105	ND	107	102.8	95.5	7.4	65-125	20		
Toluene	110	104	ND	107	102.8	94.5	8.4	70-130	20		
Trichloroethene	102	97.4	ND	107	95.3	88.5	7.4	74-134	20		
Surrogate(s)											
4-Bromofluorobenzene	529	498		500	105.8	99.7		60-130			
1,2-Dichloroethane-d4	597	552		500	119.4	110.4		60-140			
Toluene-d8	537	488		500	107.4	97.5		70-130			

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09/30/2005 10:41

Volatile Organic Compounds by 8260B (Low Level)

Consolidated Engineering Lab

Attn.: Marc Hachey

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San Ramon, CA 94583

Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777

Received: 09/20/2005 15:30

N. Livermore First

Legend and Notes

Analysis Flag

L1

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

Result Flag

S5

Surrogate recoveries higher than acceptance limits.

Matrix interference suspected

PCBs

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAMPLE (2)	09/20/2005 02:00	Soil	2

PCBs

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Prep(s):	3550/8082	Test(s):	8082
Sample ID:	SAMPLE (2)	Lab ID:	2005-09-0502 - 2
Sampled:	09/20/2005 02:00	Extracted:	9/22/2005 09:15
Matrix:	Soil	QC Batch#:	2005/09/22-01 14

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aroclor 1016	ND	50	ug/Kg	1.00	09/23/2005 19:52	
Aroclor 1221	ND	50	ug/Kg	1.00	09/23/2005 19:52	
Aroclor 1232	ND	50	ug/Kg	1.00	09/23/2005 19:52	
Aroclor 1242	ND	50	ug/Kg	1.00	09/23/2005 19:52	
Aroclor 1248	ND	50	ug/Kg	1.00	09/23/2005 19:52	
Aroclor 1254	ND	50	ug/Kg	1.00	09/23/2005 19:52	
Aroclor 1260	ND	50	ug/Kg	1.00	09/23/2005 19:52	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	89.2	57-113	%	1.00	09/23/2005 19:52	
Decachlorobiphenyl (PCB/8082)	86.9	56-115	%	1.00	09/23/2005 19:52	

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09/27/2005 09:39

PCBs

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Project: 81-01777
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Batch QC Report

Prep(s): 3550/8082

Method Blank

MB: 2005/09/22-01.14-001

Soil

Test(s): 8082

QC Batch # 2005/09/22-01.14

Date Extracted: 09/22/2005 09:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Aroclor 1016	ND	50	ug/Kg	09/23/2005 15:37	
Aroclor 1221	ND	50	ug/Kg	09/23/2005 15:37	
Aroclor 1232	ND	50	ug/Kg	09/23/2005 15:37	
Aroclor 1242	ND	50	ug/Kg	09/23/2005 15:37	
Aroclor 1248	ND	50	ug/Kg	09/23/2005 15:37	
Aroclor 1254	ND	50	ug/Kg	09/23/2005 15:37	
Aroclor 1260	ND	50	ug/Kg	09/23/2005 15:37	
Surrogates(s)					
2,4,5,6-Tetrachloro-m-xylene	98.3	57-113	%	09/23/2005 15:37	
Decachlorobiphenyl (PCB/8082)	98.8	56-115	%	09/23/2005 15:37	

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PCBs

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Project: 81-01777

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 3550/8082

Test(s): 8082

Laboratory Control Spike

Soil

QC Batch # 2005/09/22-01.14

LCS 2005/09/22-01.14-002

Extracted: 09/22/2005

Analyzed: 09/23/2005 15:57

LCSD 2005/09/22-01.14-003

Extracted: 09/22/2005

Analyzed: 09/23/2005 16:16

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Aroclor 1016	56.9	61.2	66.4	85.7	92.2	7.3	65-135	30		
Aroclor 1260	59.0	62.9	66.4	88.9	94.7	6.3	65-135	30		
Surrogates(s)										
2,4,5,6-Tetrachloro-m-xylene	46.4	47.7	50	92.7	95.3		57-113	0		
Decachlorobiphenyl	45.7	47.0	50	91.5	93.9		56-115	0		

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PCBs

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Project: 81-01777
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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 3550/8082

Test(s): 8082

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/09/22-01-14

MS/MSD

Lab ID: 2005-09-0537 - 001

MS: 2005/09/22-01.14-004

Extracted: 09/22/2005

Analyzed: 09/23/2005 16:56

Dilution: 1.00

MSD: 2005/09/22-01.14-005

Extracted: 09/22/2005

Analyzed: 09/23/2005 17:15

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Aroclor 1016	56.9	53.3	ND	66.1	86.1	80.2	7.1	65-135	30		
Aroclor 1260	64.1	57.3	ND	66.1	97.0	86.2	11.8	65-135	30		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xylene	41.1	40.5		50	82.1	81.0		57-113	0		
Decachlorobiphenyl	45.8	42.7		50	91.6	85.5		56-115	0		

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Organochlorine Pesticides Analysis

Consolidated Engineering Lab

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Received: 09/20/2005 15:30

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAMPLE (2)	09/20/2005 02:00	Soil	2

Organochlorine Pesticides Analysis

Consolidated Engineering Lab

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s): 3550/8081 Test(s): 8081
Sample ID: **SAMPLE (2)** Lab ID: 2005-09-0502 -2
Sampled: 09/20/2005 02:00 Extracted: 9/21/2005 09:43
Matrix: Soil QC Batch#: 2005/09/21-01.13
Analysis Flag: L5 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Aldrin	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Dieldrin	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Endrin aldehyde	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Endrin	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Endrin ketone	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Heptachlor	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Heptachlor epoxide	ND	10	ug/Kg	5.00	09/23/2005 12:32	
4,4'-DDT	ND	10	ug/Kg	5.00	09/23/2005 12:32	
4,4'-DDE	ND	10	ug/Kg	5.00	09/23/2005 12:32	
4,4'-DDD	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Endosulfan I	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Endosulfan II	ND	10	ug/Kg	5.00	09/23/2005 12:32	
alpha-BHC	ND	10	ug/Kg	5.00	09/23/2005 12:32	
beta-BHC	ND	10	ug/Kg	5.00	09/23/2005 12:32	
gamma-BHC (Lindane)	ND	10	ug/Kg	5.00	09/23/2005 12:32	
delta-BHC	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Endosulfan sulfate	ND	10	ug/Kg	5.00	09/23/2005 12:32	
4,4'-Methoxychlor	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Toxaphene	ND	500	ug/Kg	5.00	09/23/2005 12:32	
Chlordane (Technical)	ND	250	ug/Kg	5.00	09/23/2005 12:32	
alpha-Chlordane	ND	10	ug/Kg	5.00	09/23/2005 12:32	
gamma-Chlordane	ND	10	ug/Kg	5.00	09/23/2005 12:32	
Surrogate(s)						
2,4,5,6-Tetrachloro-m-xylene	92.7	50-125	%	5.00	09/23/2005 12:32	
Decachlorobiphenyl (Pest/8081)	84.3	46-142	%	5.00	09/23/2005 12:32	

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Organochlorine Pesticides Analysis

Consolidated Engineering Lab

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Project: 81-01777

Received: 09/20/2005 15:30

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Batch QC Report

Prep(s): 3550/8081

Test(s): 8081

Method Blank

Soil

QC Batch # 2005/09/21-01.13

MB: 2005/09/21-01.13-001

Date Extracted: 09/21/2005 09:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Aldrin	ND	2.0	ug/Kg	09/21/2005 12:48	
Dieldrin	ND	2.0	ug/Kg	09/21/2005 12:48	
Endrin aldehyde	ND	2.0	ug/Kg	09/21/2005 12:48	
Endrin	ND	2.0	ug/Kg	09/21/2005 12:48	
Endrin ketone	ND	2.0	ug/Kg	09/21/2005 12:48	
Heptachlor	ND	2.0	ug/Kg	09/21/2005 12:48	
Heptachlor epoxide	ND	2.0	ug/Kg	09/21/2005 12:48	
4,4'-DDT	ND	2.0	ug/Kg	09/21/2005 12:48	
4,4'-DDE	ND	2.0	ug/Kg	09/21/2005 12:48	
4,4'-DDD	ND	2.0	ug/Kg	09/21/2005 12:48	
Endosulfan I	ND	2.0	ug/Kg	09/21/2005 12:48	
Endosulfan II	ND	2.0	ug/Kg	09/21/2005 12:48	
alpha-BHC	ND	2.0	ug/Kg	09/21/2005 12:48	
beta-BHC	ND	2.0	ug/Kg	09/21/2005 12:48	
gamma-BHC (Lindane)	ND	2.0	ug/Kg	09/21/2005 12:48	
delta-BHC	ND	2.0	ug/Kg	09/21/2005 12:48	
Endosulfan sulfate	ND	2.0	ug/Kg	09/21/2005 12:48	
4,4'-Methoxychlor	ND	2.0	ug/Kg	09/21/2005 12:48	
Toxaphene	ND	100	ug/Kg	09/21/2005 12:48	
Chlordane (Technical)	ND	50	ug/Kg	09/21/2005 12:48	
alpha-Chlordane	ND	2.0	ug/Kg	09/21/2005 12:48	
gamma-Chlordane	ND	2.0	ug/Kg	09/21/2005 12:48	
Surrogates(s)					
2,4,5,6-Tetrachloro-m-xylene	100.8	50-125	%	09/21/2005 12:48	
Decachlorobiphenyl (Pest/8081)	101.5	46-142	%	09/21/2005 12:48	

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Organochlorine Pesticides Analysis

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Project: 81-01777

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 3550/8081

Test(s): 8081

Laboratory Control Spike

Soil

QC Batch # 2005/09/21-01.13

LCS 2005/09/21-01.13-002

Extracted: 09/21/2005

Analyzed: 09/21/2005 13:17

LCSD 2005/09/21-01.13-003

Extracted: 09/21/2005

Analyzed: 09/21/2005 13:46

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Aldrin	17.4	17.7	16.5	105.5	106.6	1.0	37-136	35		
Dieldrin	16.8	17.0	16.5	101.8	102.4	0.6	58-135	35		
Endrin	17.4	17.6	16.5	105.5	106.0	0.5	58-134	35		
Heptachlor	16.6	16.7	16.5	100.6	100.6	0.0	40-136	35		
4,4'-DDT	18.1	18.4	16.5	109.7	110.8	1.0	55-132	35		
gamma-BHC (Lindane)	16.9	16.6	16.5	102.4	100.0	2.4	37-137	35		
Surrogates(s)										
2,4,5,6-Tetrachloro-m-xylene	50.1	52.0	50	100.2	103.9		50-125	0		
Decachlorobiphenyl	51.3	51.9	50	102.7	103.7		46-142	0		

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Organochlorine Pesticides Analysis

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 3550/8081

Test(s): 8081

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/09/21-01.13

MS/MSD

Lab ID: 2005-09-0392 - 003

MS: 2005/09/21-01.13-004

Extracted: 09/21/2005

Analyzed: 09/21/2005 15:42

Dilution: 1.00

MSD: 2005/09/21-01.13-005

Extracted: 09/21/2005

Analyzed: 09/21/2005 16:11

Dilution: 1.00

Compound	Conc. ug/Kg			Spk.Level ug/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Aldrin	16.0	16.6	ND	16.5	97.0	100.6	3.6	37-136	35		
Dieldrin	16.2	16.3	ND	16.5	98.2	98.8	0.6	58-135	35		
Endrin	17.0	17.0	ND	16.5	103.0	103.0	0.0	58-134	35		
Heptachlor	15.9	16.6	ND	16.5	96.4	100.6	4.3	40-136	35		
4,4'-DDT	17.3	15.5	ND	16.5	104.8	93.9	11.0	55-132	35		
gamma-BHC (Lindane)	16.3	17.1	ND	16.5	98.8	103.6	4.7	37-137	35		
Surrogate(s)											
2,4,5,6-Tetrachloro-m-xylen	46.8	51.8		50	93.6	103.6		50-125	0		
Decachlorobiphenyl	48.3	49.8		50	96.6	99.7		46-142	0		

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Organochlorine Pesticides Analysis

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Project: 81-01777
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Received: 09/20/2005 15:30

Legend and Notes

Analysis Flag

L5

Reporting limits elevated due to matrix interference.

TEPH w/ Silica Gel Clean-up

Consolidated Engineering Lab

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Project: 81-01777

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Received: 09/20/2005 15:30

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAMPLE (1) LFD	09/20/2005 02:00	Soil	1
SAMPLE (2)	09/20/2005 02:00	Soil	2
SAMPLE (3)	09/20/2005 02:00	Soil	3
SAMPLE (4)	09/20/2005 02:00	Soil	4
SAMPLE (5)	09/20/2005 02:00	Soil	5
SAMPLE (6)	09/20/2005 02:00	Soil	6

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09/29/2005 16:23

TEPH w/ Silica Gel Clean-up

Consolidated Engineering Lab

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s):	3550/8015M	Test(s):	8015M
Sample ID:	SAMPLE (1) LFD	Lab ID:	2005-09-0502 - 1
Sampled:	09/20/2005 02:00	Extracted:	9/23/2005 09:32
Matrix:	Soil	QC Batch#:	2005/09/23-01_10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Motor Oil	ND	2500	mg/Kg	50.00	09/26/2005 17:48	
DRO (C10-C28)	4100	50	mg/Kg	50.00	09/26/2005 17:48	
Surrogate(s)						
o-Terphenyl	NA	60-130	%	50.00	09/26/2005 17:48	S3

TEPH w/ Silica Gel Clean-up

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SAMPLE (2)	Lab ID: 2005-09-0502 - 2
Sampled: 09/20/2005 02:00	Extracted: 9/23/2005 09:32
Matrix: Soil	QC Batch#: 2005/09/23-01-10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Motor Oil	ND	250	mg/Kg	5.00	09/26/2005 16:54	
DRO (C10-C28)	1300	5.0	mg/Kg	5.00	09/26/2005 16:54	
Surrogate(s) o-Terphenyl	NA	60-130	%	5.00	09/26/2005 16:54	S3

TEPH w/ Silica Gel Clean-up

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SAMPLE (3)	Lab ID: 2005-09-0502 - 3
Sampled: 09/20/2005 02:00	Extracted: 9/23/2005 09:32
Matrix: Soil	QC Batch#: 2005/09/23-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Motor Oil	ND	200	mg/Kg	4.00	09/26/2005 17:21	
DRO (C10-C28)	670	4.0	mg/Kg	4.00	09/26/2005 17:21	
Surrogate(s)						
o-Terphenyl	87.9	60-130	%	4.00	09/26/2005 17:21	

TEPH w/ Silica Gel Clean-up

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Received: 09/20/2005 15:30

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SAMPLE (4)	Lab ID: 2005-09-0502 - 4
Sampled: 09/20/2005 02:00	Extracted: 9/23/2005 09:32
Matrix: Soil	QC Batch#: 2005/09/23-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Motor Oil	ND	50	mg/Kg	1.00	09/26/2005 18:42	
DRO (C10-C28)	1.0	1.0	mg/Kg	1.00	09/26/2005 18:42	
Surrogate(s)						
o-Terphenyl	69.1	60-130	%	1.00	09/26/2005 18:42	

TEPH w/ Silica Gel Clean-up

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SAMPLE (5)	Lab ID: 2005-09-0502 - 5
Sampled: 09/20/2005 02:00	Extracted: 9/23/2005 09:32
Matrix: Soil	QC Batch#: 2005/09/23-01.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Motor Oil	54	50	mg/Kg	1.00	09/24/2005 18:30	Q3
DRO (C10-C28)	140	1.0	mg/Kg	1.00	09/24/2005 18:30	
Surrogate(s)						
o-Terphenyl	78.3	60-130	%	1.00	09/24/2005 18:30	

TEPH w/ Silica Gel Clean-up

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Project: 81-01777
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Received: 09/20/2005 15:30

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SAMPLE (6)	Lab ID: 2005-09-0502 - 6
Sampled: 09/20/2005 02:00	Extracted: 9/23/2005 09:32
Matrix: Soil	QC Batch#: 2005/09/23-01:10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Motor Oil	ND	50	mg/Kg	1.00	09/24/2005 18:57	
DRO (C10-C28)	2.1	1.0	mg/Kg	1.00	09/24/2005 18:57	
Surrogate(s)						
o-Terphenyl	84.9	60-130	%	1.00	09/24/2005 18:57	

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09/29/2005 16:23

TEPH w/ Silica Gel Clean-up

Consolidated Engineering Lab

Attn.: Marc Hachey

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San Ramon, CA 94583
Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2005/09/23-01.10-001

Soil

Test(s): 8015M

QC Batch # 2005/09/23-01.10

Date Extracted: 09/23/2005 09:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Motor Oil	ND	50	mg/Kg	09/23/2005 22:44	
DRO (C10-C28)	ND	1	mg/Kg	09/23/2005 22:44	
Surrogates(s)					
o-Terphenyl	67.2	60-130	%	09/23/2005 22:44	

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2005/09/23-01:10

LCS 2005/09/23-01.10-002

Extracted: 09/23/2005

Analyzed: 09/23/2005 23:11

LCSD 2005/09/23-01.10-003

Extracted: 09/23/2005

Analyzed: 09/23/2005 23:38

Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
DRO (C10-C28)	32.9	32.6	41.5	79.3	78.7	0.8	60-130	25		
<i>Surrogates(s)</i> o-Terphenyl	17.8	17.8	20.0	89.0	89.2		60-130	0		

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Legend and Notes

Result Flag

Q3

Quantit. of unknown hydrocarbon(s) in sample based on motor oil.

S3

Surrogate recovery not reportable due to required dilution.

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Fuel Oxygenates by 8260B

Consolidated Engineering Lab

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Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAMPLE (4)	09/20/2005 02:00	Soil	4
SAMPLE (5)	09/20/2005 02:00	Soil	5
SAMPLE (6)	09/20/2005 02:00	Soil	6

Fuel Oxygenates by 8260B

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Received: 09/20/2005 15:30

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SAMPLE (5)	Lab ID:	2005-09-0502 - 5
Sampled:	09/20/2005 02:00	Extracted:	9/26/2005 11:34
Matrix:	Soil	QC Batch#:	2005/09/26-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	09/26/2005 11:34	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	09/26/2005 11:34	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	09/26/2005 11:34	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	09/26/2005 11:34	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	09/26/2005 11:34	
1,2-DCA	ND	5.0	ug/Kg	1.00	09/26/2005 11:34	
EDB	ND	5.0	ug/Kg	1.00	09/26/2005 11:34	
Surrogate(s)						
1,2-Dichloroethane-d4	87.4	72-124	%	1.00	09/26/2005 11:34	
Toluene-d8	98.8	75-116	%	1.00	09/26/2005 11:34	

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Received: 09/20/2005 15:30

Prep(s): 5030B Test(s): 8260B
Sample ID: **SAMPLE (6)** Lab ID: 2005-09-0502 - 6
Sampled: 09/20/2005 02:00 Extracted: 9/23/2005 14:56
Matrix: Soil QC Batch#: 2005/09/23-01.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3300	1000	ug/Kg	1.00	09/23/2005 14:56	Q1
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	09/23/2005 14:56	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	09/23/2005 14:56	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	09/23/2005 14:56	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	09/23/2005 14:56	
1,2-DCA	ND	5.0	ug/Kg	1.00	09/23/2005 14:56	
EDB	ND	5.0	ug/Kg	1.00	09/23/2005 14:56	
Surrogate(s)						
1,2-Dichloroethane-d4	83.8	72-124	%	1.00	09/23/2005 14:56	
Toluene-d8	90.7	75-116	%	1.00	09/23/2005 14:56	

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Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/09/23-01.65-039

Soil

Test(s): 8260B

QC Batch # 2005/09/23-01.65

Date Extracted: 09/23/2005 09:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	09/23/2005 09:30	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	09/23/2005 09:30	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	09/23/2005 09:30	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	09/23/2005 09:30	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	09/23/2005 09:30	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	09/23/2005 09:30	
1,2-DCA	ND	5.0	ug/Kg	09/23/2005 09:30	
EDB	ND	5.0	ug/Kg	09/23/2005 09:30	
Benzene	ND	5.0	ug/Kg	09/23/2005 09:30	
Toluene	ND	5.0	ug/Kg	09/23/2005 09:30	
Surrogates(s)					
1,2-Dichloroethane-d4	90.2	72-124	%	09/23/2005 09:30	
Toluene-d8	88.4	75-116	%	09/23/2005 09:30	

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09/30/2005 17:24

Fuel Oxygenates by 8260B

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/09/26-01.62-008

Soil

Test(s): 8260B
QC Batch # 2005/09/26-01.62
Date Extracted: 09/26/2005 09:08

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	09/26/2005 09:08	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	09/26/2005 09:08	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	09/26/2005 09:08	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	09/26/2005 09:08	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	09/26/2005 09:08	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	09/26/2005 09:08	
1,2-DCA	ND	5.0	ug/Kg	09/26/2005 09:08	
EDB	ND	5.0	ug/Kg	09/26/2005 09:08	
Benzene	ND	5.0	ug/Kg	09/26/2005 09:08	
Toluene	ND	5.0	ug/Kg	09/26/2005 09:08	
Surrogates(s)					
1,2-Dichloroethane-d4	85.4	72-124	%	09/26/2005 09:08	
Toluene-d8	99.1	75-116	%	09/26/2005 09:08	

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/09/30-01.62-005

Soil

Test(s): 8260B

QC Batch # 2005/09/30-01.62

Date Extracted: 09/30/2005 09:05

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	09/30/2005 09:05	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	09/30/2005 09:05	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	09/30/2005 09:05	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	09/30/2005 09:05	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	09/30/2005 09:05	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	09/30/2005 09:05	
1,2-DCA	ND	5.0	ug/Kg	09/30/2005 09:05	
EDB	ND	5.0	ug/Kg	09/30/2005 09:05	
Benzene	ND	5.0	ug/Kg	09/30/2005 09:05	
Toluene	ND	5.0	ug/Kg	09/30/2005 09:05	
Surrogates(s)					
1,2-Dichloroethane-d4	89.8	72-124	%	09/30/2005 09:05	
Toluene-d8	99.6	75-116	%	09/30/2005 09:05	

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/09/23-01.65

LCS 2005/09/23-01.65-001

Extracted: 09/23/2005

Analyzed: 09/23/2005 09:04

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	50.7		50.0	101.4			65-165	20		
Benzene	51.8		50.0	103.6			69-129	20		
Toluene	50.8		50.0	101.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	363		500	72.6			72-124			
Toluene-d8	422		500	84.4			75-116			

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Page 8 of 14

Fuel Oxygenates by 8260B

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Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/09/26-01.62

LCS 2005/09/26-01.62-043

Extracted: 09/26/2005

Analyzed: 09/26/2005 08:42

LCSD

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	46.8		50.0	93.6			65-165	20		
Benzene	54.4		50.0	108.8			69-129	20		
Toluene	52.7		50.0	105.4			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	412		500	82.4			72-124			
Toluene-d8	500		500	100.0			75-116			

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Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/09/30-01.62

LCS 2005/09/30-01.62-039

Extracted: 09/30/2005

Analyzed: 09/30/2005 08:39

LCSD

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	40.1		50.0	80.2			65-165	20		
Benzene	46.2		50.0	92.4			69-129	20		
Toluene	46.4		50.0	92.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	410		500	82.0			72-124			
Toluene-d8	486		500	97.2			75-116			

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Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/09/23-01.65

MS/MSD

Lab ID: 2005-09-0522 - 003

MS: 2005/09/23-01.65-004

Extracted: 09/23/2005

Analyzed: 09/23/2005 11:04

Dilution: 1.00

MSD: 2005/09/23-01.65-030

Extracted: 09/23/2005

Analyzed: 09/23/2005 11:30

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags			
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	63.1	47.2	ND	50.0	126.2	94.4	28.8	65-165	20			R1
Benzene	61.3	53.1	ND	50.0	122.6	106.2	14.3	69-129	20			
Toluene	57.4	52.6	ND	50.0	114.8	105.2	8.7	70-130	20			
Surrogate(s)												
1,2-Dichloroethane-d4	442	405		500	88.4	81.0		72-124				
Toluene-d8	449	457		500	89.8	91.4		75-116				

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/09/26-01.62

MS/MSD

Lab ID: 2005-09-0371 - 002

MS: 2005/09/26-01.62-016

Extracted: 09/26/2005

Analyzed: 09/26/2005 10:16

Dilution: 1.00

MSD: 2005/09/26-01.62-042

Extracted: 09/26/2005

Analyzed: 09/26/2005 10:42

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	39.8	39.8	ND	48.7	81.7	80.7	1.2	65-165	20		
Benzene	48.3	47.8	ND	48.7	99.2	97.0	2.2	69-129	20		
Toluene	47.5	46.5	ND	48.7	97.5	94.3	3.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	389	389		500	77.8	77.8		72-124			
Toluene-d8	482	494		500	96.4	98.8		75-116			

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Received: 09/20/2005 15:30

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Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/09/30-01.62

MS/MSD

Lab ID: 2005-09-0669 - 003

MS: 2005/09/30-01.62-056

Extracted: 09/30/2005

Analyzed: 09/30/2005 10:56

Dilution: 1.00

MSD: 2005/09/30-01.62-022

Extracted: 09/30/2005

Analyzed: 09/30/2005 11:22

Dilution: 1.00

Compound	Conc. ug/Kg		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	43.3	48.8	ND	49.5	87.5	98.2	11.5	65-165	20		
Benzene	48.5	51.4	ND	49.5	98.0	103.4	5.4	69-129	20		
Toluene	46.9	50.0	ND	49.5	94.7	100.6	6.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	407	420		500	81.4	84.0		72-124			
Toluene-d8	491	470		500	98.2	94.0		75-116			

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Legend and Notes

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R1

Analyte RPD was out of QC limits.

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Received: 09/20/2005 15:30

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SAMPLE (1) LFD	09/20/2005 02:00	Soil	1
SAMPLE (2)	09/20/2005 02:00	Soil	2
SAMPLE (3)	09/20/2005 02:00	Soil	3

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Received: 09/20/2005 15:30

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SAMPLE (1) LFD	Lab ID:	2005-09-0502 - 1
Sampled:	09/20/2005 02:00	Extracted:	9/27/2005 12:55 9/30/2005 15:44
Matrix:	Soil	QC Batch#:	2005/09/26-03.62 2005/09/26-03.62

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1200000	50000	ug/Kg	1.00	09/27/2005 12:55	Q1
tert-Butyl alcohol (TBA)	ND	2500	ug/Kg	1.00	09/27/2005 12:55	
Di-isopropyl Ether (DIPE)	ND	1000	ug/Kg	1.00	09/27/2005 12:55	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/Kg	1.00	09/30/2005 15:44	
tert-Amyl methyl ether (TAME)	ND	500	ug/Kg	1.00	09/27/2005 12:55	
1,2-DCA	ND	500	ug/Kg	1.00	09/27/2005 12:55	
EDB	ND	500	ug/Kg	1.00	09/27/2005 12:55	
Surrogate(s)						
1,2-Dichloroethane-d4	67.1	53-129	%	1.00	09/27/2005 12:55	
1,2-Dichloroethane-d4	61.9	53-129	%	1.00	09/30/2005 15:44	
Toluene-d8	85.4	47-136	%	1.00	09/30/2005 15:44	
Toluene-d8	79.6	47-136	%	1.00	09/27/2005 12:55	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

Consolidated Engineering Lab

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Phone: (925) 314-7100 Fax: (925) 855-7140

Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SAMPLE (2)	Lab ID:	2005-09-0502 - 2
Sampled:	09/20/2005 02:00	Extracted:	9/27/2005 13:21 9/30/2005 16:11
Matrix:	Soil	QC Batch#:	2005/09/26-03.62 2005/09/26-03.62

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	220000	50000	ug/Kg	1.00	09/27/2005 13:21	Q1
tert-Butyl alcohol (TBA)	ND	2500	ug/Kg	1.00	09/27/2005 13:21	
Di-isopropyl Ether (DIPE)	ND	1000	ug/Kg	1.00	09/27/2005 13:21	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/Kg	1.00	09/30/2005 16:11	
tert-Amyl methyl ether (TAME)	ND	500	ug/Kg	1.00	09/27/2005 13:21	
1,2-DCA	ND	500	ug/Kg	1.00	09/27/2005 13:21	
EDB	ND	500	ug/Kg	1.00	09/27/2005 13:21	
Surrogate(s)						
1,2-Dichloroethane-d4	58.3	53-129	%	1.00	09/30/2005 16:11	
1,2-Dichloroethane-d4	78.7	53-129	%	1.00	09/27/2005 13:21	
Toluene-d8	77.5	47-136	%	1.00	09/27/2005 13:21	
Toluene-d8	86.2	47-136	%	1.00	09/30/2005 16:11	

Gas/BTEX Fuel Oxygenates by 8260B (High Level)

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Received: 09/20/2005 15:30

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SAMPLE (3)	Lab ID:	2005-09-0502 - 3
Sampled:	09/20/2005 02:00	Extracted:	9/27/2005 13:46 9/30/2005 16:37
Matrix:	Soil	QC Batch#:	2005/09/26-03.62 2005/09/26-03.62

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	420000	50000	ug/Kg	1.00	09/27/2005 13:46	
tert-Butyl alcohol (TBA)	ND	2500	ug/Kg	1.00	09/27/2005 13:46	
Di-isopropyl Ether (DIPE)	ND	1000	ug/Kg	1.00	09/27/2005 13:46	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/Kg	1.00	09/30/2005 16:37	
tert-Amyl methyl ether (TAME)	ND	500	ug/Kg	1.00	09/27/2005 13:46	
1,2-DCA	ND	500	ug/Kg	1.00	09/27/2005 13:46	
EDB	ND	500	ug/Kg	1.00	09/27/2005 13:46	
Surrogate(s)						
1,2-Dichloroethane-d4	81.1	53-129	%	1.00	09/27/2005 13:46	
1,2-Dichloroethane-d4	56.9	53-129	%	1.00	09/30/2005 16:37	
Toluene-d8	78.3	47-136	%	1.00	09/30/2005 16:37	
Toluene-d8	80.3	47-136	%	1.00	09/27/2005 13:46	

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10/03/2005 12:48

Gas/BTEXFuel Oxygenates by 8260B (High Level)

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Project: 81-01777
N. Livermore First

Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/09/26-03.62-032

Soil

Test(s): 8260B

QC Batch # 2005/09/26-03.62

Date Extracted: 09/27/2005 02:32

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50000	ug/Kg	09/27/2005 02:32	
Benzene	ND	500	ug/Kg	09/27/2005 02:32	
Toluene	ND	500	ug/Kg	09/27/2005 02:32	
tert-Butyl alcohol (TBA)	ND	2500	ug/Kg	09/27/2005 02:32	
Methyl tert-butyl ether (MTBE)	ND	500	ug/Kg	09/27/2005 02:32	
Di-isopropyl Ether (DIPE)	ND	1000	ug/Kg	09/27/2005 02:32	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/Kg	09/27/2005 02:32	
tert-Amyl methyl ether (TAME)	ND	500	ug/Kg	09/27/2005 02:32	
1,2-DCA	ND	500	ug/Kg	09/27/2005 02:32	
EDB	ND	500	ug/Kg	09/27/2005 02:32	
Surrogates(s)					
1,2-Dichloroethane-d4	68.3	53-129	%	09/27/2005 02:32	
Toluene-d8	93.0	47-136	%	09/27/2005 02:32	

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Received: 09/20/2005 15:30

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/09/26-03.62

LCS 2005/09/26-03.62-040

Extracted: 09/27/2005

Analyzed: 09/27/2005 01:40

LCSD 2005/09/26-03.62-030

Extracted: 09/28/2005

Analyzed: 09/28/2005 14:30

Compound	Conc. ug/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	9630	10200	9690	99.4	102.0	2.6	69-129	20		
Toluene	9870	10800	9690	101.9	108.0	5.8	70-130	20		
Methyl tert-butyl ether (MTBE)	9350	10000	9690	96.5	100.0	3.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	159	164	250	63.6	65.6		53-129			
Toluene-d8	239	254	250	95.6	101.6		47-136			

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Gas/BTEX Fuel Oxygenates by 8260B (High Level)

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Legend and Notes

Analysis Flag

L2

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

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

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