

LIVERMORE - PLEASANTON FIRE DEPARTMENT
3560 Nevada Street, Pleasanton, CA 94566

Alameda County
Environmental Health
AUG 15 2005

Contaminated Site Case Transfer Form

Referral To:

Date	August 10, 2005		
By (name)	Paul Smith	Phone	(925) 454-2339
Agency	Alameda County Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502		
Attention	Donna L. Drogos, LOP/TOXICS Program Manager Jerry Wickham		
Transferred as:	<input checked="" type="checkbox"/> LOP	<input type="checkbox"/> TOXICS	
Level of Update requested:	<input checked="" type="checkbox"/> distribution list <input type="checkbox"/> all meetings <input type="checkbox"/> all site visits <input type="checkbox"/> closure sign off <input type="checkbox"/> all the above all correspondence from LOP to RP		

Site Information:

Site Name	Mike Amiri
Site Address	909 Bluebell Dr. Livermore, CA 94550
Site Phone	cell (925) 487-2598 site currently demolished will move location
Site Contractor/Consultant (if available)	Gary Lowe H2O Geol (925) 373-9211
Site DBA	Springtown Gas & Food

* (see property owner print out attached)

Site Conditions:

UST	
Initiating Event	<input type="checkbox"/> Closure <input checked="" type="checkbox"/> Work on system <input type="checkbox"/> Other Complete Tank top upgrade
If UST(s) removed: # removed: 0	Date removed: piping/wdcs removed 6/29/05
Contents:	<input checked="" type="checkbox"/> gasoline <input checked="" type="checkbox"/> diesel <input type="checkbox"/> waste oil <input type="checkbox"/> heating oil <input type="checkbox"/> solvents <input type="checkbox"/> kerosene <input type="checkbox"/> stoddard solvent <input type="checkbox"/> other (specify) _____
Observations of system (holes, leaks)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Observed contamination (free product, smell, soil/water discoloration)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Unauthorized Release Form filed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No provided to Mike Amiri today
NON-UST	
Former industrial use?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Former Use Specify:	
ALL REFERRALS	
Detectable concentrations of soil and/or groundwater contamination?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
TP Hg o Highest Concentration Detected in Soil Concentration (ppm) MTBE o Highest Concentration Detected in Water Concentration (ppb)	
Future intended use if known?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, specify	Fuel station, mini mart w/ coffee & restaurant
If available, attach pertinent reports	

cc: Colleen Winey, Zone 7

Hi Jerry,
I met Gary Lowe geologist & Mike Amiri at the site this Am. Gary provided these results to me. I requested that Mike provide a full report to you ASAP. Also Gary recommended to Mike that while the pipeline trench is still open that he have installed a 2" slotted vapor extraction line along both piping runs. Also there are (2) 4" observation pipes in the tank pit noted.

Post-It® Fax Note 7671

Date	8/10/05	# of pages	▶
To	Jerry Wickham	From	Paul Smith
Co./Dept.	ACDEH/LOP	Co.	LFFD
Phone #	(510) 567-6791	Phone #	(925) 454-2339
Fax #	(510) 337-9335	Fax #	2367

LIVERMORE - PLEASANTO
3560 Nevada Street, Pleas

Contaminated Site Case Transfer Form

Referral To:

Date	August 10, 2005		
By (name)	Paul Smith	Phone	(925) 454-2339
Agency	Alameda County Environmental Health, 1131 Harbor Bay Parkway, Alameda, CA 94502		
Attention	Donna L. Drogos, LOP/TOXICS Program Manager	Jerry Wickham	
Transferred as:	<input checked="" type="checkbox"/> LOP	<input type="checkbox"/> TOXICS	
Level of Update requested:	<input checked="" type="checkbox"/> distribution list above <input type="checkbox"/> all meetings <input type="checkbox"/> all site visits <input type="checkbox"/> closure sign off <input type="checkbox"/> all the above all correspondence from LOP to RP		

Site Information:

Site Name	Mike Amini
Site Address	909 Bluebell Dr. Livermore, CA 94550
Site Phone	cell (925) 487-2598
Site Contractor/Consultant (if available)	Gary Love H2O Geol (925) 373-9211
Site DBA	Springtown Gas & Food

* (see property owner print out attached)

mve location

Site Conditions:

UST	
Initiating Event	<input type="checkbox"/> Closure <input checked="" type="checkbox"/> Work on system <i>Complete Tank top upgrade</i> <input type="checkbox"/> Other
If UST(s) removed: # removed:	0 Date removed: piping/valves removed 6/29/05
Contents:	<input checked="" type="checkbox"/> gasoline <input checked="" type="checkbox"/> diesel <input type="checkbox"/> waste oil <input type="checkbox"/> heating oil <input type="checkbox"/> solvents <input type="checkbox"/> kerosene <input type="checkbox"/> stoddard solvent <input type="checkbox"/> other (specify)
Observations of system (holes, leaks)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Observed contamination (free product, smell, soil/water discoloration)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Unauthorized Release Form filed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
NON-UST	
Former industrial use?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Former Use Specify:	
ALL REFERRALS	
Detectable concentrations of soil and/or groundwater contamination?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Highest Concentration Detected in Soil Contaminant (specify) <i>TPHg</i> <i>720 ppm</i> Concentration <i>ppm</i> Highest Concentration Detected in Water Contaminant (specify) <i>MTBE</i> <i>62</i> Concentration <i>ppb</i>	
Future intended use if known? If Yes, specify	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
fuel station, mini mart w/ coffee & restaurant	
If available, attach pertinent reports	

provided to Mike Amini today

cc: Colleen Winey, Zone 7

Hi Jerry,
I met Gary Love geologist & Mike Amini at the site this Am. Gary provided these results to me. I requested that Mike provide a full report to you ASAP. Also Gary recommended to Mike that while the pipeline trench is still open that he have installed

a 2" slotted vapor extraction line along both piping runs. also these are the locations of abstraction points in the tank but noted.



R02894

Alameda County
AUG 15 2005
Environmental Health
July 29, 2005

Mr. Paul M. Smith
Hazardous Materials Inspector
Livermore – Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

RE: Report on Dispenser and Fuel Pipeline Soil Sampling – Springtown Gas, 909 Bluebell Drive, Livermore, California.

Dear Mr. Smith;

This letter - Report on Dispenser and Fuel Pipeline Soil Sampling reports the laboratory analytical results from the soil samples collected under your direction on June 29, 2005 at Springtown Gas, 909 Bluebell Drive, Livermore, California.

Figure 1 identifies the soil sample locations. Three sets of three subsamples were also collected (for laboratory compiositing) of the excavated soils for disposal profiling. The samples were delivered to STL San Francisco, a State Certified analytical laboratory (CA DHS ELAP#2496), located in Pleasanton, California under chain-of-custody documentation at 09:51 on June 30, 2005.

Livermore – Pleasanton Fire Department directed that analysis be performed by U.S. EPA Method 8260B for total petroleum hydrocarbons in the gasoline range (TPH-gasoline); benzene, toluene, ethylbenzene, and total xylene isomers (collectively BTEX); and the Fuel Oxygenates: Methyl tertiary-butyl ether (MtBE); Tertiary butyl alcohol (TBA), Di-isopropyl Ether (DIPE); Ethyl tertiary-butyl ether (EtBE); and tertiary-Amyl methyl ether (TAME) and by Method 8015M for total extractable petroleum hydrocarbons in the diesel range (TEPH-diesel). Copies of the laboratory analytical report and chain-of-custody documentation are included in Attachment A.

Table 1 summarizes the analytical results from soil samples collected from beneath the backfill gravel/soil contact at the directed depths beneath the contact below pump island and pipeline locations.



RECEIVED

AUG 11 2005

FIRE PREVENTION

Mr. Paul M. Smith
Hazardous Materials Inspector
Livermore – Pleasanton Fire Department
3560 Nevada Street
Pleasanton, CA 94566

July 29, 2005

RE: Report on Dispenser and Fuel Pipeline Soil Sampling – Springtown Gas, 909 Bluebell Drive, Livermore, California.

*PS
DB#22*

*8/11/05
I called Mike Amini
& requested that he send
the unauthorized leak
report to me ASAP
and a copy of
this report to
Jerry Wickham of
LUP as gave him
the address
P Smith*

Dear Mr. Smith;

This letter - Report on Dispenser and Fuel Pipeline Soil Sampling reports the laboratory analytical results from the soil samples collected under your direction on June 29, 2005 at Springtown Gas, 909 Bluebell Drive, Livermore, California.

Figure 1 identifies the soil sample locations. Three sets of three subsamples were also collected (for laboratory compiositing) of the excavated soils for disposal profiling. The samples were delivered to STL San Francisco, a State Certified analytical laboratory (CA DHS ELAP#2496), located in Pleasanton, California under chain-of-custody documentation at 09:51 on June 30, 2005.

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Table 1 summarizes the analytical results from soil samples collected from beneath the backfill gravel/soil contact at the directed depths beneath the contact below pump island and pipeline locations.

Diesel

TEPH-diesel was identified in soils from the east corner of the fuel distribution system beneath dispenser 1-2 and the pipeline at sample point PL1. The highest concentration was beneath the dispenser 1-2 location at a depth of three feet below the pea gravel, in soils that were removed by over excavation to a depth of seven feet below the base of the pea gravel, where TEPH-diesel was reported as "N.D." at <1.0 mg/Kg.

Below pipeline sample point PL1, at a depth of one foot below pea gravel, TEPH-diesel was reported as "N.D." at <1.0 mg/Kg. At a depth of six feet below pea gravel, in the pit dug to obtain a groundwater sample, TEPH-diesel was reported at a concentration of 2.1 mg/Kg. In the north corner of the adjacent pit dug to remove soils below the dispenser 1-2 area TEPH-diesel was reported at a concentration of 150 mg/Kg. The diagonally opposite south corner was reported as "N.D." at <1.0 mg/Kg.

The only other reporting of TEPH-diesel was further to the east where the pipeline entered the tank excavation (PL5) where 1.7 mg/Kg was reported from the sample at a depth of 0.5 feet below the pea gravel.

The groundwater that collected in the pit beneath the PL1/Dispenser 1-2 sample location was reported with 100 µg/L TEPH-diesel.

Gasoline

The aromatic hydrocarbons (BTEX) and the Fuel Oxygenates: DIPE, EtBE, and TAME were below their respective reporting limits in all soil samples.

In general the TPH-gasoline component distribution followed that reported above from TEPH-diesel. MtBE and TBA followed this distribution as well as being more widespread. TBA was typically reported at a higher concentration than MtBE.

The highest TPH-gasoline concentration (220,000 µg/Kg or 220 mg/Kg) was, by far, reported from beneath the dispenser 1-2 location at a depth of three feet below the pea gravel, in soils that were removed by over excavation to a depth of seven feet below the base of the pea gravel, where TPH-gasoline was reported as "N.D." at <1.0 mg/Kg. At this depth MtBE and TBA (as well as TPH-gasoline) were reported as "N.D." at less than the conventional reporting limits. The north corner of the aforementioned over excavation pit was reported with 4,200 µg/Kg (or 4.2 mg/Kg) TPH-gasoline 80 µg/Kg MtBE and 46 µg/Kg TBA. The diagonally opposite south corner was reported as "N.D." at less than the conventional reporting limits for TPH-gasoline, MtBE, and TBA.

Mr. Paul M. Smith
July 29, 2005
Page 3

Below pipeline sample point PL1, at a depth of six feet below pea gravel, in the pit dug to obtain a groundwater sample, TPH-gasoline, MtBE, and TBA were as "N.D." at less than the conventional reporting limits.

Further to the east at pipeline sample point PL5, where the pipeline entered the tank excavation, 3,400 µg/Kg (or 3.4 mg/Kg) TPH-gasoline was reported from the sample at a depth of 0.5 feet below the pea gravel. The PL5 sample was also reported with the highest concentrations of MtBE (4,200 µg/Kg) and TBA (120,000 µg/Kg). These concentrations probably represent vapor diffusion from the tank pit.

MtBE and TBA were also reported from dispenser location 5-6 (MtBE at 490 µg/Kg and TBA at 8,400 µg/Kg), dispenser location 7-8 (MtBE at 38 µg/Kg and TBA at 400 µg/Kg), at pipeline sample point PL2 (MtBE at 61 µg/Kg and TBA at 1,400 µg/Kg), , at pipeline sample point PL3 (MtBE at 140 µg/Kg and TBA at 1,000 µg/Kg), , at pipeline sample point PL4 (MtBE at 8.9 µg/Kg and TBA at 160 µg/Kg).

The groundwater that collected in the pit beneath the PL1/Dispenser 1-2 sample location was reported with 89 µg/L TPH-gasoline, 62 µg/L MtBE, 20 µg/L TBA, and 0.74 µg/L TAME.

The soil stockpile composite samples were reported with fuel component analytes as summarized in Table 1.

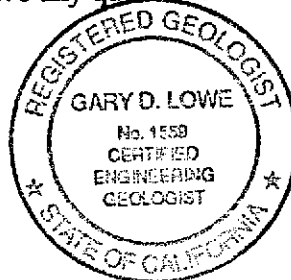
Springtown Gas has been advised to file an unauthorized release form of unknown date and duration.

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

Sincerely,



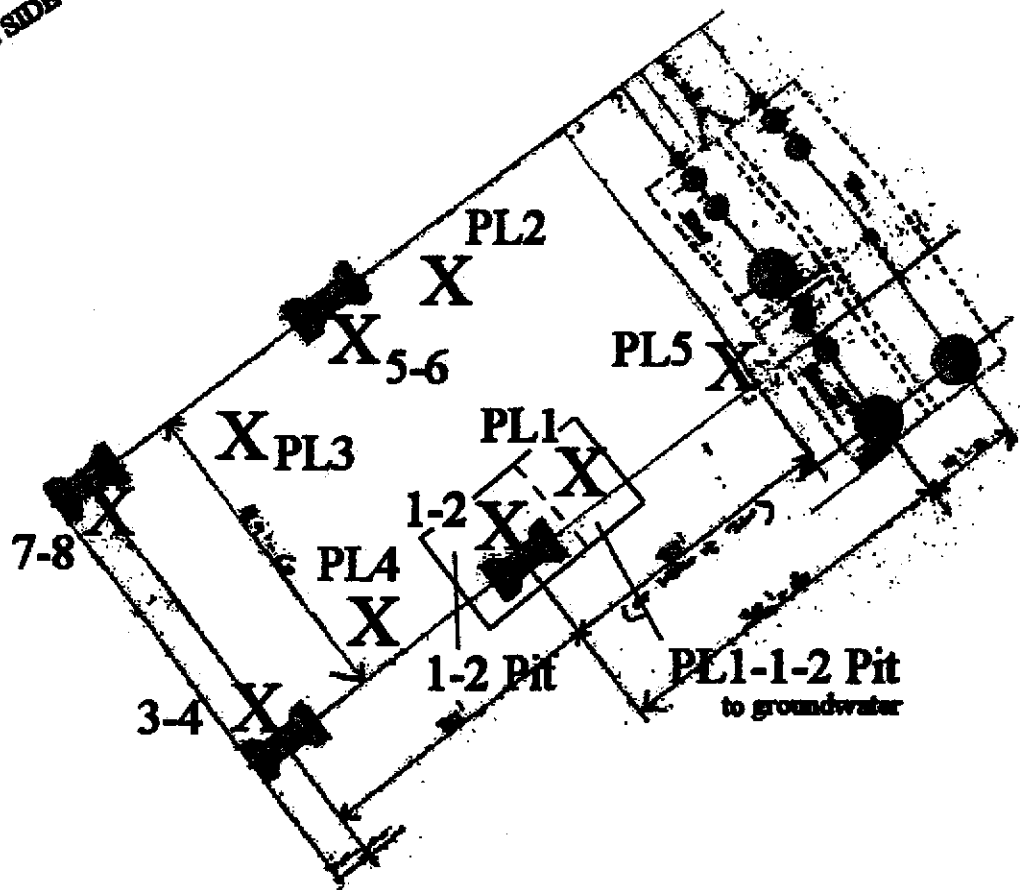
Gary D. Lowe, R.G. (3768), C.E.G. (1559)
C.H.G. (127)
Principal, Hydrogeologist
H₂OGEOL A GroundWater Consultancy



Attachment A – Sample Laboratory Analytical Report and Chain-of-Custody Documentation
Attachment B –Uniform Hazardous Waste Manifest

Xc: Mr. Rick Walton, Walton Engineering, Inc., P.O. Box 1025, 3900 Commerce Drive, West Sacramento, CA 95691

BLUEBELL DRIVE SIDE



NORTH

NO SCALE IMPLIED



DIAGRAMATIC SOIL SAMPLE LOCATIONS JUNE 29, 2005
FORMER PUMP ISLAND AND FUEL PIPELINES
SPRINGTOWN GAS
909 BLUEBELL DRIVE, LIVERMORE, CALIFORNIA

FIGURE

1

TABLE 1
 SUMMARY OF SOIL AND PIT WATER ANALYTICAL RESULTS
 SPRINGTOWN GAS
 909 BLUEBELL DRIVE
 LIVERMORE, CALIFORNIA
 (Method 8260B soil analyte concentrations in micrograms per kilogram)
 (Method 8015M soil analyte concentrations in milligrams per kilogram)

	TEPH-diesel range, mg/Kg	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)
DISPENSER AREA SAMPLES.											
06/29/05 Dispenser area samples at specified depth below base of pea gravel. at locations specified by Livermore-Pleasanton Fire Department representative.											
SG/1-2/0.5 Ft.	110	< 4900	< 25	< 25	< 25	< 25	390	6500	< 49	< 25	< 25
SG/1-2/3 Ft.	1600	220000	< 500	< 500	< 500	< 500	< 500	< 2500	< 1000	< 500	< 500
SG/1-2/7 Ft.	< 1.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0
SG/3-4/0.5 Ft.	< 1.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0
SG/5-6/0.5 Ft.	< 1.0	< 1000	< 24	< 24	< 24	< 24	490	8400	< 48	< 24	< 24
SG/7-8/0.5 Ft.	< 1.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	38	400	< 10	< 5.0	< 5.0
SG/PL1/1 Ft.	< 1.0	< 4900	< 25	< 25	< 25	< 25	1100	7600	< 49	< 25	< 25
SG/PL1/6 Ft.	2.1	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0
SG/PL2/0.5 Ft.	< 1.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	61	1400	< 10	< 5.0	< 5.0
SG/PL3/0.5 Ft.	< 1.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	140	1000	< 10	< 5.0	< 5.0
SG/PL4/2 Ft. Labeled as PL1/2Ft.	< 1.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	8.9	160	< 10	< 5.0	< 5.0
SG/PL5/0.5 Ft.	1.7	3400	< 500	< 500	< 500	< 500	4200	120000	< 1000	< 500	< 500
SG/SCor1-2Pit/6Ft	< 1.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0
SG/NCor1-2Pit/6Ft	150	4200	< 5.0	< 5.0	< 5.0	< 5.0	80	46	< 10	< 5.0	< 5.0
(Method 8260B and 8015M groundwater analyte concentrations in micrograms per liter)											
SG/PL1-1-2/GW	100	89	< 0.50	< 0.50	< 0.50	< 1.0	62	20	< 1.0	< 0.50	0.74

"SOIL" STOCKPILE SAMPLES

06/29/05 Three to one laboratory composited samples.

	TEPH-diesel range, mg/Kg	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)	Total lead mg/Kg
Soil Pile Composite A	< 1.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	43	1300	< 10	< 5.0	< 5.0	3.7
Soil Pile Composite B	4.0	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	150	< 10	< 5.0	< 5.0	1.5
Soil Pile Composite C	8.3	< 1000	< 5.0	< 5.0	< 5.0	< 5.0	7.6	160	< 10	< 5.0	< 5.0	6.7



P. O. Box 2165



Livermore, California 94551-2165



(925) 373-9211

ATTACHMENT A

**FUEL DISPENSER AND PIPELINE REMOVAL
SOIL SAMPLE
LABORATORY ANALYTICAL REPORTS
SAMPLE CHAIN OF CUSTODY**



Submission: 2005-06-0790

Fuel Oxygenates by 8260B

H2OGeol

Attn.: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
 Sample ID: SG/SPB1,2,3 Lab ID: 2005-06-0790 - 2
 Sampled: 06/29/2005 Extracted: 7/13/2005 13:19
 Matrix: Soil QC Batch#: 2005/07/13-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/13/2005 13:19	
tert-Butyl alcohol (TBA)	150	10	ug/Kg	1.00	07/13/2005 13:19	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	07/13/2005 13:19	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/13/2005 13:19	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/13/2005 13:19	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/13/2005 13:19	
Benzene	ND	5.0	ug/Kg	1.00	07/13/2005 13:19	
Toluene	ND	5.0	ug/Kg	1.00	07/13/2005 13:19	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/13/2005 13:19	
Total xylenes	ND	5.0	ug/Kg	1.00	07/13/2005 13:19	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	104.5	72-124	%	1.00	07/13/2005 13:19	
Toluene-d8	91.7	75-116	%	1.00	07/13/2005 13:19	

Sewern Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1098 * www.stl-inc.com * CA DHS ELAP# 2496

07/15/2005 11:34

Page 3 of 14



Submission: 2005-06-0790

Fuel Oxygenates by 8260B

H2OGeol

Attn.: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
 Sample ID: SG/SPC1,2,3 Lab ID: 2005-06-0790 - 3
 Sampled: 06/29/2005 Extracted: 7/9/2005 14:49
 Matrix: Soil QC Batch#: 2005/07/09-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/09/2005 14:49	Q1
tert-Butyl alcohol (TBA)	160	10	ug/Kg	1.00	07/09/2005 14:49	
Methyl tert-butyl ether (MTBE)	7.6	5.0	ug/Kg	1.00	07/09/2005 14:49	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/09/2005 14:49	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/09/2005 14:49	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/09/2005 14:49	
Benzene	ND	5.0	ug/Kg	1.00	07/09/2005 14:49	
Toluene	ND	5.0	ug/Kg	1.00	07/09/2005 14:49	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/09/2005 14:49	
Total xylenes	ND	5.0	ug/Kg	1.00	07/09/2005 14:49	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	114.7	72-124	%	1.00	07/09/2005 14:49	
Toluene-d8	91.9	75-116	%	1.00	07/09/2005 14:49	

Sewern Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1098 * www.stl-inc.com * CA DHS ELAP# 2496

07/15/2005 11:34

Page 4 of 14



Submission: 2005-06-0790

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/07/09-01.62-027

Test(s): 8260B

QC Batch # 2005/07/09-01.62

Date Extracted: 07/09/2005 07:27

Soil

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	07/09/2005 07:27	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	07/09/2005 07:27	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	07/09/2005 07:27	
Diisopropyl Ether (DIPE)	ND	10.0	ug/Kg	07/09/2005 07:27	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	07/09/2005 07:27	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	07/09/2005 07:27	
Benzene	ND	5.0	ug/Kg	07/09/2005 07:27	
Toluene	ND	5.0	ug/Kg	07/09/2005 07:27	
Ethyl benzene	ND	5.0	ug/Kg	07/09/2005 07:27	
Total xylenes	ND	5.0	ug/Kg	07/09/2005 07:27	
Surrogates(s)					
1,2-Dichloroethane-d4	100.4	72-124	%	07/09/2005 07:27	
Toluene-d8	96.8	75-116	%	07/09/2005 07:27	

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

07/15/2005 11:34

Page 5 of 14



Submission: 2005-06-0790

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/07/13-01.62-004

Test(s): 8260B

QC Batch # 2005/07/13-01.62

Date Extracted: 07/13/2005 08:04

Soil

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	07/13/2005 08:04	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	07/13/2005 08:04	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	07/13/2005 08:04	
Diisopropyl Ether (DIPE)	ND	10.0	ug/Kg	07/13/2005 08:04	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	07/13/2005 08:04	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	07/13/2005 08:04	
Benzene	ND	5.0	ug/Kg	07/13/2005 08:04	
Toluene	ND	5.0	ug/Kg	07/13/2005 08:04	
Ethyl benzene	ND	5.0	ug/Kg	07/13/2005 08:04	
Total xylenes	ND	5.0	ug/Kg	07/13/2005 08:04	
Surrogates(s)					
1,2-Dichloroethane-d4	99.4	72-124	%	07/13/2005 08:04	
Toluene-d8	98.6	75-116	%	07/13/2005 08:04	

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

07/15/2005 11:34

Page 6 of 14



Submission: 2005-08-0790

Fuel Oxygenates by 8260B

H2O Geol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: ()

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B Test(s): 8260B
Method Blank Soil QC Batch # 2005/07/13-02.82
MB: 2005/07/13-02.82-057 Date Extracted: 07/13/2005 18:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	07/13/2005 18:57	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	07/13/2005 18:57	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	07/13/2005 18:57	
Diisopropyl Ether (DIPE)	ND	10.0	ug/Kg	07/13/2005 18:57	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	07/13/2005 18:57	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	07/13/2005 18:57	
Benzene	ND	5.0	ug/Kg	07/13/2005 18:57	
Toluene	ND	5.0	ug/Kg	07/13/2005 18:57	
Ethyl benzene	ND	5.0	ug/Kg	07/13/2005 18:57	
Total xylenes	ND	5.0	ug/Kg	07/13/2005 18:57	
Surrogates(s)					
1,2-Dichloroethane-d4	95.9	72-124	%	07/13/2005 18:57	
Toluene-d8	96.3	75-116	%	07/13/2005 18:57	

Severn Trent Laboratories, Inc.
STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566
Tel 925 484 1919 Fax 925 484 1056 * www.stl-inc.com * CA DHS ELAP# 2496

07/15/2005 11:34



Submission: 2005-08-0790

Fuel Oxygenates by 8260B

H2O Geol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: ()

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike Soil QC Batch # 2005/07/09-01.82
LCS 2005/07/09-01.82-001 Extracted: 07/09/2005 Analyzed: 07/09/2005 07:01
LCSD

Compound	Conc.		Exp. Conc.	Recovery %		RPD		Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	RPD	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	50.5		50	101.0				65-165	20		
Benzene	51.2		50	102.4				69-129	20		
Toluene	52.5		50	105.0				70-130	20		
Surrogates(s)											
1,2-Dichloroethane-d4	444		500	88.8				72-124	0		
Toluene-d8	486		500	97.2				75-116	0		

Severn Trent Laboratories, Inc.
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Tel 925 484 1919 Fax 925 484 1056 * www.stl-inc.com * CA DHS ELAP# 2496

07/15/2005 11:34



Submission: 2005-08-0790

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary Lowe
PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prop(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/07/13-01.62

LCS 2005/07/13-01.62-038
LCSD

Extracted: 07/13/2005

Analyzed: 07/13/2005 07:38

Compound	Conc. ug/Kg		Exp Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	45.3		50.0	90.6			65-165	20		
Benzene	44.7		50.0	89.4			69-129	20		
Toluene	47.9		50.0	95.8			70-130	20		
<i>Sulfonates(s)</i>										
1,2-Dichloroethane-d4	449		500	89.8			72-124			
Toluene-d8	494		500	98.8			75-116			

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

07/15/2005 11:34



Submission: 2005-08-0790

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary Lowe
PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prop(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/07/13-02.62

LCS 2005/07/13-02.62-031
LCSD

Extracted: 07/13/2005

Analyzed: 07/13/2005 18:31

Compound	Conc. ug/Kg		Exp Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	47.7		50.0	95.4			65-165	20		
Benzene	47.4		50.0	94.8			69-129	20		
Toluene	48.8		50.0	97.6			70-130	20		
<i>Sulfonates(s)</i>										
1,2-Dichloroethane-d4	456		500	91.2			72-124			
Toluene-d8	474		500	94.8			75-116			

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

07/15/2005 11:34



Submission: 2005-06-0790

Fuel Oxygenates by 8260B

H2O: Cool
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Project: 5030B Test(s): 8260B
Matrix Spike (MS / MSD) Soil QC Batch # 2005/07/09-01.62
MS/MSD Lab ID: 2005-07-0065 - 003
MS: 2005/07/09-01.62-045 Extracted: 07/09/2005 Analyzed: 07/09/2005 08:46
Dilution: 1.00
MS: 2005/07/09-01.62-011 Extracted: 07/09/2005 Analyzed: 07/09/2005 09:11
Dilution: 1.00

Compound	Conc.		Spk Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	37.3	43.6	ND	48.3	75.7	88.7	15.9	65-165	20		
Benzene	38.4	43.8	ND	49.3	77.9	80.1	14.5	89-129	20		
Toluene	40.9	45.7	ND	49.3	83.0	94.0	12.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	426	455		500	85.2	91.0		72-124			
Toluene-d8	468	495		500	93.6	99.0		75-116			



Submission: 2005-06-0790

Fuel Oxygenates by 8260B

H2O: Cool
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Project: 5030B Test(s): 8260B
Matrix Spike (MS / MSD) Soil QC Batch # 2005/07/13-01.62
MS/MSD Lab ID: 2005-07-0141 - 002
MS: 2005/07/13-01.62-016 Extracted: 07/13/2005 Analyzed: 07/13/2005 11:16
Dilution: 1.00
MS: 2005/07/13-01.62-042 Extracted: 07/13/2005 Analyzed: 07/13/2005 11:42
Dilution: 1.00

Compound	Conc.		Spk Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	39.7	39.8	ND	49.3	80.5	81.6	1.4	65-165	20		
Benzene	41.3	38.1	ND	49.3	83.8	78.6	6.4	69-129	20		
Toluene	43.0	38.9	ND	49.3	87.2	80.2	8.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	435	457		500	87.0	91.4		72-124			
Toluene-d8	472	455		500	94.4	91.0		75-116			



Submission: 2005-06-0790

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Map(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Soil

QC Batch # 2005/07/13-02.82

MS/MSD

Lab ID: 2005-07-0056 - 020

MS: -2005/07/13-02.62-046

Extracted: 07/13/2005

Analyzed: 07/13/2005 20:46

Dilution: 1.00

MS: 2005/07/13-02.62-012

Extracted: 07/13/2005

Analyzed: 07/13/2005 21:12

Dilution: 1.00

Compound	Conc.		ug/Kg	Spk Level	Recovery %			Limits %		Flags	
	MS	MSD			Sample	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	52.8	51.8	ND	49.1	107.1	105.5	1.5	65-166	20		
Toluene	50.9	52.5	ND	49.1	103.7	106.9	3.0	89-129	20		
Xylene	50.0	50.7	ND	49.1	104.8	103.3	1.5	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	447	449		500	89.4	89.8		72-124			
Toluene-d8	466	474		500	93.2	94.8		75-116			

Severn Trent Laboratories, Inc.

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

Tel 925 484 1919 Fax 925 484 1095 * www.stl-inc.com * CA DHS ELAP# 2496

07/15/2005 11:34

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Submission: 2005-06-0790

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Legend and Notes

Result: Mag

Q1

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

Severn Trent Laboratories, Inc.

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

07/15/2005 11:34

Page 14 of 14



Submission: 2005-06-0790

Diesel

H2CGeol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SG/SPA1,2,3	08/29/2005	Soil	1
SG/SPB1,2,3	06/29/2005	Soil	2
SG/SPC1,2,3	06/29/2005	Soil	3



Submission: 2005-06-0790

Diesel

H2CGeol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s):	3550/8015M	Test(s):	8015M			
Sample ID:	SG/SPA1,2,3	Lab ID:	2005-06-0790 - 1			
Sampled:	06/29/2005	Extracted:	7/7/2005 12:15			
Matrix:	Soil	QC Batch#:	2005/07/07-02.10			
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/08/2005 16:02	
Surrogate(s)						
o-Terphenyl	74.8	80-130	%	1.00	07/08/2005 16:02	



Submission: 2005-06-0790

Diesel

H2OGeol
Attr: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SG/SPB1,2,3	Lab ID: 2005-06-0790 - 2
Sampled: 06/29/2005	Extracted: 7/7/2005 12:15
Matrix: Soil	QC Batch#: 2005/07/07-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	4.0	1.0	mg/Kg	1.00	07/08/2005 15:07	
Surrogate(s) p-Terphenyl	80.3	60-130	%	1.00	07/08/2005 15:07	



Submission: 2005-06-0790

Diesel

H2OGeol
Attr: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M	Test(s): 8015M
Sample ID: SG/SPC1,2,3	Lab ID: 2005-06-0790 - 3
Sampled: 06/29/2005	Extracted: 7/7/2005 12:15
Matrix: Soil	QC Batch#: 2005/07/07-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	8.3	1.0	mg/Kg	1.00	07/08/2005 14:13	
Surrogate(s) p-Terphenyl	76.8	60-130	%	1.00	07/08/2005 14:13	

Diesel

H: 0000
 Attn: Gary Lowe

PO Box 2165
 Livermore, CA 94551-2165
 Phone: (925) 373-9211 Fax: () -
 Project: Springtown Gas

Received: 06/30/2005 09:51
 Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 3550/8015M Test(s): 8015M
 Method Blank Soil QC Batch # 2005/07/07-02.10
 Date: 2005/07/07-02.10-001 Date Extracted: 07/07/2005 12:15

Compound	Conc.	RL	Unit	Analyzed	Flag
CHD (C10-C28)	ND	1	mg/Kg	07/08/2005 12:41	
Starch gas(es)					
o-tolophenyl	71.2	60-130	%	07/08/2005 12:41	

Diesel

H: 0000
 Attn: Gary Lowe

PO Box 2165
 Livermore, CA 94551-2165
 Phone: (925) 373-9211 Fax: () -
 Project: Springtown Gas

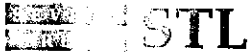
Received: 06/30/2005 09:51
 Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 3550/8015M Test(s): 8015M
 Laboratory Control Spike Soil QC Batch # 2005/07/07-02.10

LCS 2005/07/07-02.10-002 Extracted: 07/07/2005 Analyzed: 07/08/2005 12:13
 LCSD 2005/07/07-02.10-003 Extracted: 07/07/2005 Analyzed: 07/08/2005 12:41

Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
CHD (C10-C28)	30.0	30.8	41.5	72.3	74.8	3.4	60-130	25		
Starch gas(es)										
o-tolophenyl	15.8	16.7	20.0	79.0	83.4		60-130	0		



Submission: 2005-06-0790

Total Lead

H2C Coal
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SG-PA1,2,3	06/29/2005	Soil	1
SG-PA1,2,3	06/29/2005	Soil	2
SG-PA1,2,3	06/29/2005	Soil	3



Submission: 2005-06-0790

Total Lead

H2C Coal
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3050B	Test(s): 6010B					
Sample ID: SG/SPA1,2,3	Lab ID: 2005-06-0790 - 1					
Sampled: 06/29/2005	Extracted: 7/6/2005 14:27					
Matrix: Soil	QC Batch#: 2005/07/06-06.15					
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	3.7	1.0	mg/Kg	1.00	07/07/2005 09:46	



Submission: 2005-06-0790

Total Lead

H2C Geol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3050B Test(s): 6010B
Sample ID: SG/SPB1,2,3 Lab ID: 2005-06-0790 - 2
Sampled: 06/29/2005 Extracted: 7/6/2005 14:27
Matrix: Soil QC Batch#: 2005/07/06-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	1.5	1.0	mg/Kg	1.00	07/07/2005 09:50	



Submission: 2005-06-0790

Total Lead

H2O Geol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3050B Test(s): 6010B
Sample ID: SG/SPC1,2,3 Lab ID: 2005-06-0790 - 3
Sampled: 06/29/2005 Extracted: 7/6/2005 14:27
Matrix: Soil QC Batch#: 2005/07/06-06.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	6.7	1.0	mg/Kg	1.00	07/07/2005 10:00	



Submission: 2005-06-0790

Total Lead

H2OGeol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 3050B
Method Blank
Soil
QC Batch # 2005/07/06-06.15
Date Extracted: 07/06/2005 14:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	07/07/2005 08:34	



Submission: 2005-06-0790

Total Lead

H2OGeol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 3050B
Laboratory Control Spike
Soil
QC Batch # 2005/07/06-06.15
Date Extracted: 07/06/2005

LCS 2005/07/06-06.15-002
LCSD 2005/07/06-06.15-003
Extracted: 07/06/2005
Analyzed: 07/07/2005 08:37
Analyzed: 07/07/2005 08:41

Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	102	101	100.0	102.0	101.0	1.0	80-120	20		

2005-06-0790

116707

H₂OGEOL A GROUNDWATER CONSULTANCY
 P.O. BOX 2185
 LIVERMORE, CALIFORNIA 94551-2185

CHAIN OF CUSTODY
 DATE: 08/30/05 PAGE 1 of 1
 Sample Source:
 Springtown Gas
 909 Bluebell Drive
 Livermore, California

SAMPLER(S): Gary D. Lowe

SAMPLER'S SIGNATURE: *[Signature]*

ANALYTE

SAMPLE RECEIPT:
 TOTAL No. of CONTAINERS _____
 CHAIN OF CUSTODY SEALS _____
 RECD GOOD CONDITION/COLD _____
 CONFORMS TO RECORD _____
 LAB NO. _____

Composite	TPH-gasoline+BTEX+ Fuel	Oxygenates by Method 8260B	TEPH-Diesel	by Method 8015M	Total lead	NUMBER OF CONTAINERS
-----------	-------------------------	----------------------------	-------------	-----------------	------------	----------------------

eMail: h2ogeol@comcast.net 5-Day TAT

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Composite	TPH-gasoline+BTEX+ Fuel	Oxygenates by Method 8260B	TEPH-Diesel	by Method 8015M	Total lead	NUMBER OF CONTAINERS
SG/SPA1	08/29/05	16:07	SOIL								1
SG/SPA2	08/29/05	16:03	SOIL			X	X	X			1
SG/SPA3	08/29/05	16:02	SOIL								1
SG/SPB1	08/29/05	16:08	SOIL								1
SG/SPB2	08/29/05	16:11	SOIL			X	X	X			1
SG/SPB3	08/29/05	16:13	SOIL								1
SG/SPC1	08/29/05	16:15	SOIL								1
SG/SPC2	08/29/05	16:17	SOIL			X	X	X			1
SG/SPC3	08/29/05	16:19	SOIL								1

RELINQUISHED BY:
 SIGNATURE: *[Signature]*
 PRINTED NAME: Gary D. Lowe
 TIME: 07:00
 COMPANY: H₂OGEOL
 DATE: 08/30/05

RELINQUISHED BY:
 SIGNATURE: *[Signature]*
 PRINTED NAME: Myrna R. Lowe
 TIME: 9:57
 COMPANY: H₂OGEOL
 DATE: 08/30/05

RECEIVED BY:
 SIGNATURE: *[Signature]*
 PRINTED NAME: Myrna R. Lowe
 TIME: 7:20
 COMPANY: H₂OGEOL
 DATE: 08/30/05

RECEIVED BY LABORATORY:
 SIGNATURE: *[Signature]*
 PRINTED NAME: Brian Thomas
 TIME: 9:51
 COMPANY: STL San Francisco
 DATE: 08/30/05



Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SG/1-2/0.5FT.	06/29/2005 14:04	Soil	1
SG/1-2/7FT.	06/29/2005 14:19	Soil	3
SG/3-4/0.5FT.	06/29/2005 14:01	Soil	4
SG/5-6/0.5FT.	06/29/2005 14:30	Soil	5
SG/7-8/0.5FT.	06/29/2005 14:37	Soil	6
SG/PL1/1FT.	06/29/2005 14:23	Soil	7
SG/PL1/6FT.	06/29/2005 15:37	Soil	8
SG/PL2/0.5FT.	06/29/2005 14:28	Soil	9
SG/PL3/0.5FT.	06/29/2005 14:33	Soil	10
SG/PL1/2FT.	06/29/2005 13:57	Soil	11
SG/PL5/0.5FT.	06/29/2005 14:43	Soil	12
SG/SCOR1-2PIT/6FT.	06/29/2005 15:22	Soil	13
SG/NCOR1-2PIT/6FT.	06/29/2005 15:30	Soil	14

PL4
/

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07/15/2005 15:21



Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B
Sample ID: SG/1-2/0.5FT.
Sampled: 06/29/2005 14:04
Matrix: Soil
Analysis Flag: L2 (See Legend and Note Section)
Test(s): 8260B
Lab ID: 2005-06-0791 - 1
Extracted: 7/13/2005 15:30
QC Batch#: 2005/07/13-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	4900	ug/Kg	4.90	07/13/2005 15:30	
tert-Butyl alcohol (TBA)	8500	49	ug/Kg	4.90	07/13/2005 15:30	
Methyl tert-butyl ether (MTBE)	390	25	ug/Kg	4.90	07/13/2005 15:30	
Di-isopropyl Ether (DIPE)	ND	49	ug/Kg	4.90	07/13/2005 15:30	
Ethyl tert-butyl ether (ETBE)	ND	25	ug/Kg	4.90	07/13/2005 15:30	
tert-Amyl methyl ether (TAME)	ND	25	ug/Kg	4.90	07/13/2005 15:30	
Benzene	ND	25	ug/Kg	4.90	07/13/2005 15:30	
Toluene	ND	25	ug/Kg	4.90	07/13/2005 15:30	
Ethyl benzene	ND	25	ug/Kg	4.90	07/13/2005 15:30	
Total xylenes	ND	25	ug/Kg	4.90	07/13/2005 15:30	
Surrogate(s)						
1,2-Dichloroethane-d4	93.8	72-124	%	4.90	07/13/2005 15:30	
Toluene-d8	94.9	75-116	%	4.90	07/13/2005 15:30	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, CaliforniaPrep(s): 5030B Test(s): 8260B
Sample ID: SG/1-2/7FT. Lab ID: 2005-06-0791 - 3
Sampled: 06/29/2005 14:19 Extracted: 7/12/2005 00:16
Matrix: Soil QC Batch#: 2005/07/11-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/12/2005 00:16	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	07/12/2005 00:16	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	07/12/2005 00:16	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/12/2005 00:16	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/12/2005 00:16	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/12/2005 00:16	
Benzene	ND	5.0	ug/Kg	1.00	07/12/2005 00:16	
Toluene	ND	5.0	ug/Kg	1.00	07/12/2005 00:16	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/12/2005 00:16	
Total xylenes	ND	5.0	ug/Kg	1.00	07/12/2005 00:16	
Surrogate(s)						
1,2-Dichloroethane-d4	117.4	72-124	%	1.00	07/12/2005 00:16	
Toluene-d8	105.8	75-116	%	1.00	07/12/2005 00:16	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, CaliforniaPrep(s): 5030B Test(s): 8260B
Sample ID: SG/3-4/8.5FT. Lab ID: 2005-06-0791 - 4
Sampled: 06/29/2005 14:01 Extracted: 7/12/2005 00:34
Matrix: Soil QC Batch#: 2005/07/11-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/12/2005 00:34	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	07/12/2005 00:34	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	07/12/2005 00:34	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/12/2005 00:34	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/12/2005 00:34	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/12/2005 00:34	
Benzene	ND	5.0	ug/Kg	1.00	07/12/2005 00:34	
Toluene	ND	5.0	ug/Kg	1.00	07/12/2005 00:34	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/12/2005 00:34	
Total xylenes	ND	5.0	ug/Kg	1.00	07/12/2005 00:34	
Surrogate(s)						
1,2-Dichloroethane-d4	118.1	72-124	%	1.00	07/12/2005 00:34	
Toluene-d8	107.8	75-116	%	1.00	07/12/2005 00:34	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
 Sample ID: SG/5-6/0.5FT. Lab ID: 2005-06-0791 - 5
 Sampled: 06/29/2005 14:30 Extracted: 7/12/2005 00:52
 7/13/2005 16:22
 Matrix: Soil QC Batch#: 2005/07/11-01.69
 2005/07/13-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/12/2005 00:52	
tert-Butyl alcohol (TBA)	8400	48	ug/Kg	4.80	07/13/2005 16:22	
Methyl tert-butyl ether (MTBE)	480	24	ug/Kg	4.80	07/13/2005 16:22	
Diisopropyl Ether (DIPE)	ND	48	ug/Kg	4.80	07/13/2005 16:22	
Ethyl tert-butyl ether (ETBE)	ND	24	ug/Kg	4.80	07/13/2005 16:22	
tert-Amyl methyl ether (TAME)	ND	24	ug/Kg	4.80	07/13/2005 16:22	
Benzene	ND	24	ug/Kg	4.80	07/13/2005 16:22	
Toluene	ND	24	ug/Kg	4.80	07/13/2005 16:22	
Ethyl benzene	ND	24	ug/Kg	4.80	07/13/2005 16:22	
Total xylenes	ND	24	ug/Kg	4.80	07/13/2005 16:22	
Surrogate(s)				4.80	07/13/2005 16:22	
1,2-Dichloroethane-d4	94.0	72-124	%	4.80	07/13/2005 16:22	
1,2-Dichloroethane-d4	136.7	72-124	%	1.00	07/12/2005 00:52	S7
Toluene-d8	111.9	75-116	%	1.00	07/12/2005 00:52	
Toluene-d8	88.0	75-116	%	4.80	07/13/2005 16:22	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary LowePO Box 2165
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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
 Sample ID: SG/7-8/0.5FT. Lab ID: 2005-06-0791 - 6
 Sampled: 06/29/2005 14:37 Extracted: 7/13/2005 19:28
 Matrix: Soil QC Batch#: 2005/07/13-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/13/2005 19:28	
tert-Butyl alcohol (TBA)	400	10	ug/Kg	1.00	07/13/2005 19:28	
Methyl tert-butyl ether (MTBE)	38	5.0	ug/Kg	1.00	07/13/2005 19:28	
Diisopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/13/2005 19:28	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/13/2005 19:28	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/13/2005 19:28	
Benzene	ND	5.0	ug/Kg	1.00	07/13/2005 19:28	
Toluene	ND	5.0	ug/Kg	1.00	07/13/2005 19:28	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/13/2005 19:28	
Total xylenes	ND	5.0	ug/Kg	1.00	07/13/2005 19:28	
Surrogate(s)						
1,2-Dichloroethane-d4	88.4	72-124	%	1.00	07/13/2005 19:28	
Toluene-d8	83.8	75-116	%	1.00	07/13/2005 19:28	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
Sample ID: SG/PL1/MT. Lab ID: 2005-06-0791 - 7
Sampled: 06/29/2005 14:23 Extracted: 7/13/2005 16:47
Matrix: Soil QC Batch#: 2005/07/13-01.62

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	4900	ug/Kg	4.90	07/13/2005 16:47	
tert-Butyl alcohol (TBA)	7800	49	ug/Kg	4.90	07/13/2005 16:47	
Methyl tert-butyl ether (MTBE)	1100	25	ug/Kg	4.90	07/13/2005 16:47	
Di-isopropyl Ether (DIPE)	ND	49	ug/Kg	4.90	07/13/2005 16:47	
Ethyl tert-butyl ether (ETBE)	ND	25	ug/Kg	4.90	07/13/2005 16:47	
tert-Amyl methyl ether (TAME)	ND	25	ug/Kg	4.90	07/13/2005 16:47	
Benzene	ND	25	ug/Kg	4.90	07/13/2005 16:47	
Toluene	ND	25	ug/Kg	4.90	07/13/2005 16:47	
Ethyl benzene	ND	25	ug/Kg	4.90	07/13/2005 16:47	
Total xylenes	ND	25	ug/Kg	4.90	07/13/2005 16:47	
Surrogate(s)						
1,2-Dichloroethane-d4	98.4	72-124	%	4.90	07/13/2005 16:47	
Toluene-d8	98.2	75-116	%	4.90	07/13/2005 16:47	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
Sample ID: SG/PL1/MT. Lab ID: 2005-06-0791 - 8
Sampled: 06/29/2005 15:37 Extracted: 7/12/2005 01:46
Matrix: Soil QC Batch#: 2005/07/11-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/12/2005 01:46	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	07/12/2005 01:46	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	07/12/2005 01:46	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/12/2005 01:46	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/12/2005 01:46	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/12/2005 01:46	
Benzene	ND	5.0	ug/Kg	1.00	07/12/2005 01:46	
Toluene	ND	5.0	ug/Kg	1.00	07/12/2005 01:46	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/12/2005 01:46	
Total xylenes	ND	5.0	ug/Kg	1.00	07/12/2005 01:46	
Surrogate(s)						
1,2-Dichloroethane-d4	113.0	72-124	%	1.00	07/12/2005 01:46	
Toluene-d8	109.3	75-116	%	1.00	07/12/2005 01:46	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn.: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
 Sample ID: SG/PL2/0.5FT. Lab ID: 2005-06-0791 - 9
 Sampled: 06/29/2005 14:28 Extracted: 7/12/2005 02:05
 Matrix: Soil QC Batch#: 2005/07/11-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/12/2005 02:05	
tert-Butyl alcohol (TBA)	1400	10	ug/Kg	1.00	07/12/2005 02:05	
Methyl tert-butyl ether (MTBE)	61	5.0	ug/Kg	1.00	07/12/2005 02:05	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/12/2005 02:05	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/12/2005 02:05	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/12/2005 02:05	
Benzene	ND	5.0	ug/Kg	1.00	07/12/2005 02:05	
Toluene	ND	5.0	ug/Kg	1.00	07/12/2005 02:05	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/12/2005 02:05	
Total xylenes	ND	5.0	ug/Kg	1.00	07/12/2005 02:05	
Surrogate(s)						
1,2-Dichloroethane-d4	119.2	72-124	%	1.00	07/12/2005 02:05	
Toluene-d8	112.8	75-116	%	1.00	07/12/2005 02:05	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn.: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
 Sample ID: SG/PL3/0.5FT. Lab ID: 2005-06-0791 - 10
 Sampled: 06/29/2005 14:33 Extracted: 7/12/2005 02:23
 Matrix: Soil QC Batch#: 2005/07/11-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/12/2005 02:23	
tert-Butyl alcohol (TBA)	1000	10	ug/Kg	1.00	07/12/2005 02:23	
Methyl tert-butyl ether (MTBE)	140	5.0	ug/Kg	1.00	07/12/2005 02:23	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/12/2005 02:23	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/12/2005 02:23	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/12/2005 02:23	
Benzene	ND	5.0	ug/Kg	1.00	07/12/2005 02:23	
Toluene	ND	5.0	ug/Kg	1.00	07/12/2005 02:23	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/12/2005 02:23	
Total xylenes	ND	5.0	ug/Kg	1.00	07/12/2005 02:23	
Surrogate(s)						
1,2-Dichloroethane-d4	118.8	72-124	%	1.00	07/12/2005 02:23	
Toluene-d8	106.9	75-116	%	1.00	07/12/2005 02:23	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B
 Sample ID: SG/PL1/ZFT.
 Sampled: 06/29/2005 13:57
 Matrix: Soil

Test(s): 8260B
 Lab ID: 2005-06-0791 - 11
 Extracted: 7/12/2005 02:41
 QC Batch#: 2005/07/11-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/12/2005 02:41	
tert-Butyl alcohol (TBA)	160	10	ug/Kg	1.00	07/12/2005 02:41	
Methyl tert-butyl ether (MTBE)	8.9	5.0	ug/Kg	1.00	07/12/2005 02:41	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/12/2005 02:41	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/12/2005 02:41	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/12/2005 02:41	
Benzene	ND	5.0	ug/Kg	1.00	07/12/2005 02:41	
Toluene	ND	5.0	ug/Kg	1.00	07/12/2005 02:41	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/12/2005 02:41	
Total xylenes	ND	5.0	ug/Kg	1.00	07/12/2005 02:41	
Surrogate(s)						
1,2-Dichloroethane-d4	118.2	72-124	%	1.00	07/12/2005 02:41	
Toluene-d8	107.2	75-116	%	1.00	07/12/2005 02:41	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B
 Sample ID: SG/PL5/0.5FT.
 Sampled: 06/29/2005 14:43
 Matrix: Soil

Test(s): 8260B
 Lab ID: 2005-06-0791 - 12
 Extracted: 7/12/2005 02:59
 QC Batch#: 2005/07/11-01.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3400	1000	ug/Kg	1.00	07/12/2005 02:59	Q6
Surrogate(s)						
1,2-Dichloroethane-d4	119.2	72-124	%	1.00	07/12/2005 02:59	
Toluene-d8	109.1	75-116	%	1.00	07/12/2005 02:59	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn.: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
 Sample ID: SG/SCOR1-2PIT/6FT. Lab ID: 2005-06-0791 - 13
 Sampled: 06/29/2005 15:22 Extracted: 7/11/2005 22:27
 Matrix: Soil QC Batch#: 2005/07/11-01.68

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	07/11/2005 22:27	
tert-Butyl alcohol (TBA)	ND	10	ug/Kg	1.00	07/11/2005 22:27	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	07/11/2005 22:27	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/11/2005 22:27	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/11/2005 22:27	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/11/2005 22:27	
Benzene	ND	5.0	ug/Kg	1.00	07/11/2005 22:27	
Toluene	ND	5.0	ug/Kg	1.00	07/11/2005 22:27	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/11/2005 22:27	
Total xylenes	ND	5.0	ug/Kg	1.00	07/11/2005 22:27	
Surrogate(s)						
1,2-Dichloroethane-d4	114.7	72-124	%	1.00	07/11/2005 22:27	
Toluene-d8	109.9	75-116	%	1.00	07/11/2005 22:27	

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A part of Severn Trent



Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn.: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
 Sample ID: SG/NCOR1-2PIT/6FT. Lab ID: 2005-06-0791 - 14
 Sampled: 06/29/2005 15:30 Extracted: 7/13/2005 01:49
 Matrix: Soil QC Batch#: 2005/07/12-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4200	1000	ug/Kg	1.00	07/13/2005 01:49	Q1
tert-Butyl alcohol (TBA)	46	10	ug/Kg	1.00	07/13/2005 01:49	
Methyl tert-butyl ether (MTBE)	80	5.0	ug/Kg	1.00	07/13/2005 01:49	
Di-isopropyl Ether (DIPE)	ND	10	ug/Kg	1.00	07/13/2005 01:49	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	1.00	07/13/2005 01:49	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	1.00	07/13/2005 01:49	
Benzene	ND	5.0	ug/Kg	1.00	07/13/2005 01:49	
Toluene	ND	5.0	ug/Kg	1.00	07/13/2005 01:49	
Ethyl benzene	ND	5.0	ug/Kg	1.00	07/13/2005 01:49	
Total xylenes	ND	5.0	ug/Kg	1.00	07/13/2005 01:49	
Surrogate(s)						
1,2-Dichloroethane-d4	99.7	72-124	%	1.00	07/13/2005 01:49	
Toluene-d8	97.1	75-116	%	1.00	07/13/2005 01:49	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/07/11-01.69-009

Soil

Test(s): 8260B

QC Batch # 2005/07/11-01.69

Date Extracted: 07/11/2005 22:09

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	07/11/2005 22:09	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	07/11/2005 22:09	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	07/11/2005 22:09	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	07/11/2005 22:09	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	07/11/2005 22:09	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	07/11/2005 22:09	
Benzene	ND	5.0	ug/Kg	07/11/2005 22:09	
Toluene	ND	5.0	ug/Kg	07/11/2005 22:09	
Ethyl benzene	ND	5.0	ug/Kg	07/11/2005 22:09	
Total xylenes	ND	5.0	ug/Kg	07/11/2005 22:09	
Surrogates(s)					
1,2-Dichloroethane-d4	125.8	72-124	%	07/11/2005 22:09	S7
Toluene-d8	113.8	75-116	%	07/11/2005 22:09	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/07/12-02.62-000

Soil

Test(s): 8260B

QC Batch # 2005/07/12-02.62

Date Extracted: 07/12/2005 09:00

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	07/12/2005 09:00	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	07/12/2005 09:00	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	07/12/2005 09:00	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	07/12/2005 09:00	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	07/12/2005 09:00	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	07/12/2005 09:00	
Benzene	ND	5.0	ug/Kg	07/12/2005 09:00	
Toluene	ND	5.0	ug/Kg	07/12/2005 09:00	
Ethyl benzene	ND	5.0	ug/Kg	07/12/2005 09:00	
Total xylenes	ND	5.0	ug/Kg	07/12/2005 09:00	
Surrogates(s)					
1,2-Dichloroethane-d4	97.2	72-124	%	07/12/2005 09:00	
Toluene-d8	96.8	75-116	%	07/12/2005 09:00	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/07/13-01.62-004

Test(s): 8260B

Soil QC Batch # 2005/07/13-01.62

Date Extracted: 07/13/2005 08:04

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	07/13/2005 08:04	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	07/13/2005 08:04	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	07/13/2005 08:04	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	07/13/2005 08:04	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	07/13/2005 08:04	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	07/13/2005 08:04	
Benzene	ND	5.0	ug/Kg	07/13/2005 08:04	
Toluene	ND	5.0	ug/Kg	07/13/2005 08:04	
Ethyl benzene	ND	5.0	ug/Kg	07/13/2005 08:04	
Total xylenes	ND	5.0	ug/Kg	07/13/2005 08:04	
<i>Surrogates(s)</i>					
1,2-Dichloroethane-d4	99.4	72-124	%	07/13/2005 08:04	
Toluene-d8	98.6	75-116	%	07/13/2005 08:04	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/07/13-02.62-057

Test(s): 8280B

Soil QC Batch # 2005/07/13-02.62

Date Extracted: 07/13/2005 18:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	07/13/2005 18:57	
tert-Butyl alcohol (TBA)	ND	10.0	ug/Kg	07/13/2005 18:57	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	07/13/2005 18:57	
Di-isopropyl Ether (DIPE)	ND	10.0	ug/Kg	07/13/2005 18:57	
Ethyl tert-butyl ether (ETBE)	ND	5.0	ug/Kg	07/13/2005 18:57	
tert-Amyl methyl ether (TAME)	ND	5.0	ug/Kg	07/13/2005 18:57	
Benzene	ND	5.0	ug/Kg	07/13/2005 18:57	
Toluene	ND	5.0	ug/Kg	07/13/2005 18:57	
Ethyl benzene	ND	5.0	ug/Kg	07/13/2005 18:57	
Total xylenes	ND	5.0	ug/Kg	07/13/2005 18:57	
<i>Surrogates(s)</i>					
1,2-Dichloroethane-d4	95.9	72-124	%	07/13/2005 18:57	
Toluene-d8	96.3	75-116	%	07/13/2005 18:57	

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: ()

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike Soil QC Batch # 2005/07/11-01.69

LCS 2005/07/11-01.69-050 Extracted: 07/11/2005 Analyzed: 07/11/2005 21:50
LCSD

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	49.8		49.7	100.2			65-165	20		
Benzene	52.2		49.7	105.0			69-129	20		
Toluene	53.1		49.7	106.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	540		500	108.0			72-124			
Toluene-d8	560		500	112.0			75-116			



Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: ()

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Laboratory Control Spike Soil QC Batch # 2005/07/12-02.62

LCS 2005/07/12-02.62-034 Extracted: 07/12/2005 Analyzed: 07/12/2005 08:34
LCSD

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	40.8		50.0	81.2			65-165	20		
Benzene	38.6		50.0	77.2			69-129	20		
Toluene	40.4		50.0	80.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	476		500	95.2			72-124			
Toluene-d8	475		500	95.0			75-116			



Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/07/13-01.62

LCS 2005/07/13-01.62-038

Extracted: 07/13/2005

Analyzed: 07/13/2005 07:38

LCSD

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	45.3		50.0	90.6			65-165	20		
Benzene	44.7		50.0	89.4			69-129	20		
Toluene	47.9		50.0	95.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	449		500	89.8			72-124			
Toluene-d8	494		500	98.8			75-116			

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

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Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/07/13-02.62

LCS 2005/07/13-02.62-031

Extracted: 07/13/2005

Analyzed: 07/13/2005 18:31

LCSD

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	47.7		50.0	95.4			65-165	20		
Benzene	47.4		50.0	94.8			69-129	20		
Toluene	48.8		50.0	97.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	456		500	91.2			72-124			
Toluene-d8	474		500	94.8			75-116			

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
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Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown GasReceived: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Matrix Spike (MS / MSD) Soil QC Batch # 2005/07/11-01.69

SG/SCOR1-2PIT/6FT. >> MS Lab ID: 2005-06-0791 - 013

MS: 2005/07/11-01.69-045 Extracted: 07/11/2005 Analyzed: 07/11/2005 22:45
Dilution: 1.00

MSD: 2005/07/11-01.69-003 Extracted: 07/11/2005 Analyzed: 07/11/2005 23:03
Dilution: 1.00

Compound	Conc.		ug/Kg	Spk Level	Recovery %			Limits %	Flags	
	MS	MSD			MS	MSD	RPD		Rec.	MS
Methyl tert-butyl ether	55.3	58.3	ND	49.3	112.2	116.8	3.2	65-165	20	
Benzene	57.4	65.3	ND	49.3	116.4	113.6	2.3	89-129	20	
Toluene	59.2	57.2	ND	49.3	120.1	117.7	2.0	70-130	20	
Surrogate(s)										
1,2-Dichloroethane-d4	523	532		500	104.6	106.4		72-124		
Toluene-d8	562	537		500	112.3	107.5		75-116		

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary LowePO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown GasReceived: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Matrix Spike (MS / MSD) Soil QC Batch # 2005/07/12-02.62

MS/MSD Lab ID: 2005-07-0188 - 001

MS: 2005/07/12-02.62-053 Extracted: 07/12/2005 Analyzed: 07/12/2005 10:53
Dilution: 1.00

MSD: 2005/07/12-02.62-019 Extracted: 07/12/2005 Analyzed: 07/12/2005 11:19
Dilution: 1.00

Compound	Conc.		ug/Kg	Spk Level	Recovery %			Limits %		Flags	
	MS	MSD			MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	47.0	38.1	ND	49.7	94.6	79.0	16.0	65-165	20		
Benzene	45.3	40.1	ND	49.7	91.1	81.0	11.7	69-129	20		
Toluene	47.2	41.8	ND	49.7	95.0	84.0	12.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	460	448		500	92.0	89.8		72-124			
Toluene-d8	482	467		500	96.4	93.4		75-116			

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Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Matrix Spike (MS / MSD) Soil QC Batch # 2005/07/13-01.62

MS/MSD Lab ID: 2005-07-0141 - 002
MS: 2005/07/13-01.62-018 Extracted: 07/13/2005 Analyzed: 07/13/2005 11:16
Dilution: 1.00
MSD: 2005/07/13-01.62-042 Extracted: 07/13/2005 Analyzed: 07/13/2005 11:42
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	39.7	39.8	ND	49.3	80.5	81.8	1.4	85-185	20				
Benzene	41.3	38.1	ND	49.3	83.8	78.6	6.4	89-129	20				
Toluene	43.0	38.9	ND	49.3	87.2	80.2	8.4	70-130	20				
Surrogate(s)													
1,2-Dichloroethane-d4	435	457		500	87.0	91.4		72-124					
Toluene-d8	472	455		500	94.4	91.0		75-116					



Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B Test(s): 8260B

Matrix Spike (MS / MSD) Soil QC Batch # 2005/07/13-02.62

MS/MSD Lab ID: 2005-07-0058 - 020
MS: 2005/07/13-02.62-046 Extracted: 07/13/2005 Analyzed: 07/13/2005 20:46
Dilution: 1.00
MSD: 2005/07/13-02.62-012 Extracted: 07/13/2005 Analyzed: 07/13/2005 21:12
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	52.6	51.8	ND	49.1	107.1	105.6	1.5	85-185	20				
Benzene	50.9	52.5	ND	49.1	103.7	106.9	3.0	89-129	20				
Toluene	50.0	50.7	ND	49.1	101.8	103.3	1.5	70-130	20				
Surrogate(s)													
1,2-Dichloroethane-d4	447	449		500	88.4	88.8		72-124					
Toluene-d8	466	474		500	93.2	94.8		75-116					



Submission: 2005-06-0791

Fuel Oxygenates by 8260B

H2OGeol

Attn: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

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.

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

S7

Surrogate recoveries higher than acceptance limits.

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Gas/BTEXFuel Oxygenates by 8260B (High Level)

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SG/1-2/3FT.	06/29/2005 14:15	Soil	2
SG/PL5/0.5FT.	06/29/2005 14:43	Soil	12

Gas/BTEXFuel Oxygenates by 8260B (High Level)

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
Sample ID: SG/1-2/3FT. Lab ID: 2005-06-0791 - 2
Sampled: 06/29/2005 14:15 Extracted: 7/13/2005 22:30
Matrix: Soil QC Batch#: 2005/07/13-03.82
Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	220000	50000	ug/Kg	1.00	07/13/2005 22:30	Q1
Benzene	ND	500	ug/Kg	1.00	07/13/2005 22:30	
Toluene	ND	500	ug/Kg	1.00	07/13/2005 22:30	
Ethyl benzene	ND	500	ug/Kg	1.00	07/13/2005 22:30	
Total xylenes	ND	500	ug/Kg	1.00	07/13/2005 22:30	
tert-Butyl alcohol (TBA)	ND	2500	ug/Kg	1.00	07/13/2005 22:30	
Methyl tert-butyl ether (MTBE)	ND	500	ug/Kg	1.00	07/13/2005 22:30	
Di-isopropyl Ether (DIPE)	ND	1000	ug/Kg	1.00	07/13/2005 22:30	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/Kg	1.00	07/13/2005 22:30	
tert-Amyl methyl ether (TAME)	ND	500	ug/Kg	1.00	07/13/2005 22:30	
Surrogate(s)						
1,2-Dichloroethane-d4	85.3	53-129	%	1.00	07/13/2005 22:30	
Toluene-d8	85.1	47-136	%	1.00	07/13/2005 22:30	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -
Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B
Sample ID: SG/PL5/0.5FT.
Sampled: 06/29/2005 14:43
Matrix: Soil
Analysis Flag: L2 (See Legend and Note Section)

Test(s): 8260B
Lab ID: 2005-06-0791 - 12
Extracted: 7/13/2005 22:56
QC Batch#: 2005/07/13-03.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzene	ND	500	ug/Kg	1.00	07/13/2005 22:56	
Toluene	ND	500	ug/Kg	1.00	07/13/2005 22:56	
Ethyl benzene	ND	500	ug/Kg	1.00	07/13/2005 22:56	
Total xylenes	ND	500	ug/Kg	1.00	07/13/2005 22:56	
tert-Butyl alcohol (TBA)	120000	2500	ug/Kg	1.00	07/13/2005 22:56	
Methyl tert-butyl ether (MTBE)	4200	500	ug/Kg	1.00	07/13/2005 22:56	
Di-isopropyl Ether (DIPE)	ND	1000	ug/Kg	1.00	07/13/2005 22:56	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/Kg	1.00	07/13/2005 22:56	
tert-Amyl methyl ether (TAME)	ND	500	ug/Kg	1.00	07/13/2005 22:56	
Surrogate(s)						
1,2-Dichloroethane-d4	88.9	53-129	%	1.00	07/13/2005 22:56	
Toluene-d8	87.3	47-136	%	1.00	07/13/2005 22:56	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

H2OGeol
Attn.: Gary Lowe

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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/07/13-03.62-024

Soil

Test(s): 8260B
QC Batch # 2005/07/13-03.62
Date Extracted: 07/14/2005 02:24

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50000	ug/Kg	07/14/2005 02:24	
Benzene	ND	500	ug/Kg	07/14/2005 02:24	
Toluene	ND	500	ug/Kg	07/14/2005 02:24	
Ethyl benzene	ND	500	ug/Kg	07/14/2005 02:24	
Total xylenes	ND	500	ug/Kg	07/14/2005 02:24	
tert-Butyl alcohol (TBA)	ND	2500	ug/Kg	07/14/2005 02:24	
Methyl tert-butyl ether (MTBE)	ND	500	ug/Kg	07/14/2005 02:24	
Di-Isopropyl Ether (DIPE)	ND	1000	ug/Kg	07/14/2005 02:24	
Ethyl tert-butyl ether (ETBE)	ND	500	ug/Kg	07/14/2005 02:24	
tert-Amyl methyl ether (TAME)	ND	500	ug/Kg	07/14/2005 02:24	
Surrogate(s)					
1,2-Dichloroethane-d4	92.0	53-129	%	07/14/2005 02:24	
Toluene-d8	88.8	47-136	%	07/14/2005 02:24	

Gas/BTEXFuel Oxygenates by 8260B (High Level)

H2OGeol
Attn.: Gary Lowe

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Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Soil

QC Batch # 2005/07/13-03.62

LCS 2005/07/13-03.62-032

Extracted: 07/14/2005

Analyzed: 07/14/2005 01:32

LCSD 2005/07/13-03.62-058

Extracted: 07/14/2005

Analyzed: 07/14/2005 01:58

Compound	Conc. ug/Kg		Exp. Conc.	Recovery %		RPD %	Crtf. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	9510	9380	10000	95.1	93.8	1.4	69-129	20		
Toluene	9400	9710	10000	94.0	97.1	3.2	70-130	20		
Methyl tert-butyl ether (MTBE)	9480	9010	10000	94.8	80.1	5.1	85-185	20		
Surrogates(s)										
1,2-Dichloroethane-d4	237	218	250	94.8	87.2		53-129			
Toluene-d8	237	238	250	94.8	95.2		47-136			

Gas/BTEXFuel Oxygenates by 8260B (High Level)

H2OGeol
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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

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.

Diesel

H2OGeol
Attn: Gary Lowe

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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SG/1-2/0.5FT.	06/29/2005 14:04	Soil	1
SG/1-2/3FT.	06/29/2005 14:15	Soil	2
SG/1-2/7FT.	06/29/2005 14:19	Soil	3
SG/3-4/0.5FT.	06/29/2005 14:01	Soil	4
SG/5-6/0.5FT.	06/29/2005 14:30	Soil	5
SG/7-8/.05FT.	06/29/2005 14:37	Soil	6
SG/PL1/1FT.	06/29/2005 14:23	Soil	7
SG/PL1/6FT.	06/29/2005 15:37	Soil	8
SG/PL2/0.5FT.	06/29/2005 14:28	Soil	9
SG/PL3/0.5FT.	06/29/2005 14:33	Soil	10
SG/PL1/2FT. - <i>RLH</i>	06/29/2005 13:57	Soil	11
SG/PL5/0.5FT.	06/29/2005 14:43	Soil	12
SG/SCOR1-2PIT/6FT.	06/29/2005 15:22	Soil	13
SG/NCOR1-2PIT/6FT.	06/29/2005 15:30	Soil	14
SG/PL1-1-2/GW	06/29/2005 15:45	Water	16

Diesel

H2OGeol
Attn: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M	Test(s): 8015M					
Sample ID: SG/1-2/0.5FT.	Lab ID: 2005-06-0791 - 1					
Sampled: 06/29/2005 14:04	Extracted: 7/6/2005 16:23					
Matrix: Soil	QC Batch#: 2005/07/08-06.10					
Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	110	1.0	mg/Kg	1.00	07/07/2005 22:30	
Surrogate(s)						
o-Terphenyl	88.8	80-130	%	1.00	07/07/2005 22:30	

Diesel

H2OGeol
Attn.: Gary Lowe

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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/1-2/3FT. Lab ID: 2005-06-0791 - 2
Sampled: 06/29/2005 14:15 Extracted: 7/8/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRD (C10-C28)	1800	10	mg/Kg	10.00	07/08/2005 11:09	
Surrogate(s)						
o-Terphenyl	NA	80-130	%	10.00	07/08/2005 11:09	S3

Diesel

H2OGeol
Attn.: Gary Lowe

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Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/1-2/7FT. Lab ID: 2005-06-0791 - 3
Sampled: 06/29/2005 14:19 Extracted: 7/8/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRD (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 18:27	
Surrogate(s)						
o-Terphenyl	86.3	80-130	%	1.00	07/07/2005 18:27	

Diesel

H2OGeol

Attn.: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
 Sample ID: SG/3-4/0.5FT. Lab ID: 2005-06-0791 - 4
 Sampled: 06/29/2005 14:01 Extracted: 7/8/2005 16:23
 Matrix: Soil QC Batch#: 2005/07/06-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 15:16	
Surrogate(s)						
o-Terphenyl	81.0	60-130	%	1.00	07/07/2005 15:16	

Diesel

H2OGeol

Attn.: Gary Lowe

PO Box 2165

Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
 Sample ID: SG/5-6/0.5FT. Lab ID: 2005-06-0791 - 5
 Sampled: 06/29/2005 14:30 Extracted: 7/8/2005 16:23
 Matrix: Soil QC Batch#: 2005/07/06-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 15:43	
Surrogate(s)						
o-Terphenyl	80.1	60-130	%	1.00	07/07/2005 15:43	

Diesel

H2OGeol
Attn.: Gary Lowe

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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/7-8/.08FT. Lab ID: 2005-06-0781-6
Sampled: 06/29/2005 14:37 Extracted: 7/6/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 15:16	
Surrogate(s)						
o-Terphenyl	77.9	60-130	%	1.00	07/07/2005 15:16	

Diesel

H2OGeol
Attn.: Gary Lowe

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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/PL1/1FT. Lab ID: 2005-06-0781-7
Sampled: 06/29/2005 14:23 Extracted: 7/6/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 18:55	
Surrogate(s)						
o-Terphenyl	81.4	60-130	%	1.00	07/07/2005 18:55	

Diesel

H2OGeol
Attn.: Gary Lowe

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Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/PL1/6FT. Lab ID: 2005-06-0791 - 8
Sampled: 06/29/2005 16:37 Extracted: 7/8/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-08,10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	2.1	1.0	mg/Kg	1.00	07/07/2005 19:22	
Surrogate(s)						
o-Terphenyl	83.0	80-130	%	1.00	07/07/2005 19:22	

Diesel

H2OGeol
Attn.: Gary Lowe

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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/PL2/0.5FT. Lab ID: 2005-06-0791 - 9
Sampled: 06/29/2005 14:28 Extracted: 7/8/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-08,10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 19:49	
Surrogate(s)						
o-Terphenyl	87.5	80-130	%	1.00	07/07/2005 19:49	

Diesel

H2OGeol
Attn: Gary Lowe

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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/PL3/0.5FT. Lab ID: 2005-06-0791 - 10
Sampled: 06/29/2005 14:33 Extracted: 7/6/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 20:16	
Surrogate(s) o-Terphenyl	91.8	80-130	%	1.00	07/07/2005 20:16	

Diesel

H2OGeol
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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/PL1/2FT. Lab ID: 2005-06-0791 - 11
Sampled: 06/29/2005 13:57 Extracted: 7/6/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 21:38	
Surrogate(s) o-Terphenyl	82.3	80-130	%	1.00	07/07/2005 21:38	

Diesel

H2OGeol
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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/PL5/0.5FT. Lab ID: 2005-06-0791 - 12
Sampled: 06/29/2005 14:43 Extracted: 7/6/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-08,10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	1.7	1.0	mg/Kg	1.00	07/07/2005 21:11	
Surrogate(s) o-Terphenyl	79.3	60-130	%	1.00	07/07/2005 21:11	

Diesel

H2OGeol
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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/SCOR1-2PIT/6FT. Lab ID: 2005-06-0791 - 13
Sampled: 06/29/2005 15:22 Extracted: 7/6/2005 16:23
Matrix: Soil QC Batch#: 2005/07/06-08,10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	ND	1.0	mg/Kg	1.00	07/07/2005 19:49	
Surrogate(s) o-Terphenyl	75.5	60-130	%	1.00	07/07/2005 19:49	

Diesel

H2OGeol
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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3550/8015M Test(s): 8015M
Sample ID: SG/NCOR1-2PIT/6FT. Lab ID: 2005-06-0791 - 14
Sampled: 06/29/2005 15:30 Extracted: 7/8/2005 16:23
Matrix: Soil QC Batch#: 2005/07/05-06.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	150	1.0	mg/Kg	1.00	07/07/2005 20:16	
Surrogate(s)						
o-Terphenyl	85.4	60-130	%	1.00	07/07/2005 20:16	

Diesel

H2OGeol
Attn.: Gary Lowe

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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Prep(s): 3510/8015M Test(s): 8015M
Sample ID: SG/PL1-1-2/GW Lab ID: 2005-06-0791 - 15
Sampled: 06/29/2005 15:45 Extracted: 7/5/2005 12:57
Matrix: Water QC Batch#: 2005/07/05-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
DRO (C10-C28)	100	50	ug/L	1.00	07/07/2005 03:21	
Surrogate(s)						
o-Terphenyl	92.3	60-130	%	1.00	07/07/2005 03:21	

Diesel

H2OGeol

Attn.: Gary Lowe

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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 3510/8015M

Method Blank

MB: 2005/07/05-04.10-001

Water

Test(s): 8015M

QC Batch # 2005/07/05-04.10

Date Extracted: 07/05/2005 12:57

Compound	Conc.	RL	Unit	Analyzed	Flag
DRO (C10-C28)	ND	50	ug/L	07/06/2005 16:51	
Surrogates(s) o-Terphenyl	90.9	60-130	%	07/06/2005 16:51	

Diesel

H2OGeol

Attn.: Gary Lowe

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Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 3550/8015M

Method Blank

MB: 2005/07/06-06.10-001

Soil

Test(s): 8015M

QC Batch # 2005/07/06-06.10

Date Extracted: 07/06/2005 16:23

Compound	Conc.	RL	Unit	Analyzed	Flag
DRO (C10-C28)	ND	1	mg/Kg	07/07/2005 11:37	
Surrogates(s) o-Terphenyl	87.1	60-130	%	07/07/2005 11:37	

Diesel

H2OGeol
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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 3510/8015M

Test(s): 9015M

Laboratory Control Spike

Water

QC Batch # 2005/07/05-04.10

LCS 2005/07/05-04.10-002
LCSD 2005/07/05-04.10-003

Extracted: 07/05/2005
Extracted: 07/05/2005

Analyzed: 07/06/2005 16:24
Analyzed: 07/06/2005 15:56

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
DRO (C10-C28)	893	932	1000	89.3	93.2	4.3	60-130	25		
Surrogate(s) o-Terphenyl	18.5	19.3	20.0	92.4	96.5		60-130	0		

Diesel

H2OGeol
Attn: Gary Lowe

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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 3550/8015M

Test(s): 8015M

Laboratory Control Spike

Soil

QC Batch # 2005/07/06-06.10

LCS 2005/07/06-06.10-002
LCSD 2005/07/06-06.10-003

Extracted: 07/06/2005
Extracted: 07/06/2005

Analyzed: 07/07/2005 12:32
Analyzed: 07/07/2005 12:59

Compound	Conc. mg/Kg		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
DRO (C10-C28)	35.0	35.9	41.4	84.5	87.1	3.0	60-130	25		
Surrogate(s) o-Terphenyl	17.3	17.9	20.0	86.7	89.6		60-130	0		



Submission: 2005-06-0781

Diesel

H2OGeol

Attn.: Gary Lowe

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Livermore, CA 94551-2165

Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Legend and Notes

Result Flag

S3

Surrogate recovery not reportable due to required dilution.

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94568

Tel 925 484 1910 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

07/11/2005 16:28

Page 21 of 21

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SG/PL1-1-2/GW	06/29/2005 15:45	Water	16

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary Lowe

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Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51

Site: 909 Bluebell Drive Livermore, California

Prep(s): 5030B Test(s): 8260B
Sample ID: SG/PL1-1-2/GW Lab ID: 2005-06-0791 - 16
Sampled: 06/29/2005 15:45 Extracted: 7/8/2005 15:25
Matrix: Water QC Batch#: 2005/07/08-01.68
pH: <2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	89	50	ug/L	1.00	07/08/2005 15:25	
tert-Butyl alcohol (TBA)	20	5.0	ug/L	1.00	07/08/2005 15:25	
Methyl tert-butyl ether (MTBE)	62	0.50	ug/L	1.00	07/08/2005 15:25	
Di-Isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	07/08/2005 15:25	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	07/08/2005 15:25	
tert-Amyl methyl ether (TAME)	0.74	0.50	ug/L	1.00	07/08/2005 15:25	
Benzene	ND	0.50	ug/L	1.00	07/08/2005 15:25	
Toluene	ND	0.50	ug/L	1.00	07/08/2005 15:25	
Ethylbenzene	ND	0.50	ug/L	1.00	07/08/2005 15:25	
Total xylenes	ND	1.0	ug/L	1.00	07/08/2005 15:25	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	95.4	73-130	%	1.00	07/08/2005 15:25	
Toluene-d8	104.4	81-114	%	1.00	07/08/2005 15:25	

Fuel Oxygenates by 8260B

H2OGeol
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Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/07/08-01.68-049
Water
Test(s): 8260B
QC Batch # 2005/07/08-01.68
Date Extracted: 07/08/2005 08:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/08/2005 08:49	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/08/2005 08:49	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/08/2005 08:49	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	07/08/2005 08:49	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	07/08/2005 08:49	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	07/08/2005 08:49	
Benzene	ND	0.5	ug/L	07/08/2005 08:49	
Toluene	ND	0.5	ug/L	07/08/2005 08:49	
Ethylbenzene	ND	0.5	ug/L	07/08/2005 08:49	
Total xylenes	ND	1.0	ug/L	07/08/2005 08:49	
Surrogates(s)					
1,2-Dichloroethane-d4	98.7	73-130	%	07/08/2005 08:49	
Toluene-d8	99.6	81-114	%	07/08/2005 08:49	

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 06/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 5030B
Laboratory Control Spike
LCS 2005/07/08-01.68-048
LCSD
Water
QC Batch # 2005/07/08-01.68
Extracted: 07/08/2005
Analyzed: 07/08/2005 07:49

Compound	Conc. ug/L		Exp. Conc.		Recovery %		RPD	Ctrl. Limits %		Flags
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Rec.	RPD	
Methyl tert-butyl ether (MTBE)	23.1		25.0		92.4			85-165	20	
Benzene	26.1		25.0		104.4			69-129	20	
Toluene	27.0		25.0		108.0			70-130	20	
Surrogates(s)										
1,2-Dichloroethane-d4	397		500		79.4			73-130		
Toluene-d8	511		500		102.2			81-114		

Fuel Oxygenates by 8260B

H2OGeol
Attn.: Gary Lowe

PO Box 2165
Livermore, CA 94551-2165
Phone: (925) 373-9211 Fax: () -

Project: Springtown Gas

Received: 08/30/2005 09:51
Site: 909 Bluebell Drive Livermore, California

Batch QC Report

Prep(s): 50308 Test(s): 8260B
Matrix Spike (MS / MSD) Water QC Batch # 2005/07/08-01.68
MS/MSD Lab ID: 2005-06-0793 - 011
MS: 2005/07/08-01.68-039 Extracted: 07/08/2005 Analyzed: 07/08/2005 10:30 Dilution: 10.00
MSD: 2005/07/08-01.68-005 Extracted: 07/08/2005 Analyzed: 07/08/2005 11:05 Dilution: 10.00

Compound	Conc.		ug/L	Spk Level	Recovery %			Limits %		Flags	
	MS	MSD			MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	1040	1050	778	250	105.6	108.6	3.7	65-185	20		
Benzene	249	234	ND	250	99.6	93.6	8.2	69-129	20		
Toluene	268	240	0.733	250	108.1	95.7	10.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	419	398		500	83.8	79.8		73-130			
Toluene-d8	528	603		500	105.1	100.7		81-114			

2005-06-0791

11698999

H₂OGEOL A GROUNDWATER CONSULTANCY
P.O. BOX 2165
LIVERMORE, CALIFORNIA 94551-2165

CHAIN OF CUSTODY
DATE: 08/30/05 PAGE 1 of 1
Sample Source:
Springtown Gas
909 Bluebell Drive
Livermore, California

SAMPLER(S): Gary D. Lowe
SAMPLER'S SIGNATURE: *Gary D. Lowe*

SAMPLE RECEIPT:
TOTAL No. of CONTAINERS _____
CHAIN OF CUSTODY SEALS _____
RECD GOOD CONDITION/OLD _____
CONFORMS TO RECORD _____
LAB NO. _____

eMail: h2ogeol@comcast.net 5-Day TAT

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	TPH-gasoline+BTEX+ Fuel Oxygenates by Method 8260B	TEPH-Diesel by Method 8015M	NUMBER OF CONTAINERS
SG/1-2/0.5 FL	08/29/05	14:04	SOIL		X	X	1
SG/1-2/3 FL	08/29/05	14:15	SOIL		X	X	1
SG/1-2/7 FL	08/29/05	14:19	SOIL		X	X	1
SG/3-4/0.5 FL	08/29/05	14:01	SOIL		X	X	1
SG/5-8/0.5 FL	08/29/05	14:30	SOIL		X	X	1
SG/7-8/0.5 FL	08/29/05	14:37	SOIL		X	X	1
SG/PL1/1 FL	08/29/05	14:23	SOIL		X	X	1
SG/PL1/8 FL	08/29/05	15:37	SOIL		X	X	1
SG/PL2/0.5 FL	08/29/05	14:28	SOIL		X	X	1
SG/PL3/0.5 FL	08/29/05	14:33	SOIL		X	X	1
SG/PL1/2 FL	08/29/05	13:57	SOIL		X	X	1
SG/PL5/0.5 FL	08/29/05	14:43	SOIL		X	X	1
SG/NCart-2PMBFI	08/29/05	15:22	SOIL		X	X	1
SG/NCart-3PMBFI	08/29/05	15:30	SOIL		X	X	1
SG/PL1-1-2/GW	08/29/05	15:45	WATER		X	X	5

RELINQUISHED BY: *Gary D. Lowe* SIGNATURE
PRINTED NAME Gary D. Lowe TIME 07:00
COMPANY H2OGEOL DATE 08/30/05

RELINQUISHED BY: *Myrna R. Lowe* SIGNATURE
PRINTED NAME Myrna R. Lowe TIME 9:51
COMPANY H2OGEOL DATE 08/30/05

RECEIVED BY: *Myrna R. Lowe* SIGNATURE
PRINTED NAME Myrna R. Lowe TIME 7:00
COMPANY H2OGEOL DATE 08/30/05

RECEIVED BY LABORATORY: *Bryan Thomas* SIGNATURE
PRINTED NAME Bryan Thomas TIME 9:51
COMPANY STL San Francisco DATE 08/30/05



A GROUND WATER CONSULTANCY

P. O. Box 2165

■ Livermore, California 94551-2165

■ (925) 373-9211

ATTACHMENT B

UNIFORM HAZARDOUS WASTE MANIFEST

TO: GARY LOWE DATE: 8/8/05
925 373-9222

FROM: RICK WALTON

SUBJECT: SPRINGTOWN LIVERMORE

COMMENTS: MANIFEST FOR PIPE DISPOSAL

DIET DISPOSAL WAS HANDLED WITH NEW H&E
TO HAY FORD LANDFILL DIXON

THANKS
RICK

ORIGINAL TO FOLLOW VIA MAIL: YES NO

NUMBER OF PAGES INCLUDING THIS COVER: _____

PLEASE ADVISE OF POOR TRANSMISSION AT: (916) 373 1172

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER - 800-424-8802; WITHIN CALIFORNIA, CALL 1-800-951-7550

UNIFORM HAZARDOUS WASTE MANIFEST		Manifest Document No.		2. Page 1		Information in the shaded areas is not required by Federal law.	
3. Generator, Name and Mailing Address SPRINGTOWN 409 BLUE BELL DR LIVERMORE CA 94550		1. Generator's type or name WALTON ENGINEERING		A. State manifest document number 24528098		B. State Generator's ID	
4. Generator's Phone (925) 487-2598		5. US DOT ID Number 000000000000000000		C. State transporter's ID (Reserved)		D. Transporter's Phone 510-235-1903	
6. Designated Facility Name and Site Address Ecology Control Industries 255 Parr Boulevard Richmond CA 94801		7. Transporter's Name Ecology Control Industries		8. US EPA ID Number 000000000000000000		E. State transporter's ID (Reserved)	
9. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) EMPTY STORAGE TANKS piping		10. US EPA ID Number 000000000000000000		F. Transporter's Name		G. State Facility's ID	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type CM		13. Total Quantity 000000000000000000		14. Unit Wt/Vol 000000000000000000	
15. Additional Descriptions (for Materials Listed 4000)		16. Handling Instructions for Water Pollution EMPTY STORAGE TANKS		1. Waste Number 572		EPA/Other NONE	
18. Special Handling Instructions and Additional Information Wear appropriate protective equipment while handling. Weights or volumes are approximate. 24 Hour emergency telephone number (800) 321-5478 (DOT Dispatches). DOT ERG# 131 SITE ADDRESS: 409 BLUE BELL DRIVE, LIVERMORE, CA 94550		19. Discrepancy Indication Space		20. Facility Owner or Operator Certification of receipt of hazardous waste by this manifest except as noted in item 17		State EPA/Other	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government regulations.		Printed/Typed Name MIKE Amini		Signature <i>[Signature]</i>		Month Day Year 07 05 05	
17. Transporter Acknowledgment of Receipt of Materials		Printed/Typed Name Helian Salinas		Signature <i>[Signature]</i>		Month Day Year 07 05 05	
18. Transporter Acknowledgment of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space		Printed/Typed Name		Signature		Month Day Year	
20. Facility Owner or Operator Certification of receipt of hazardous waste by this manifest except as noted in item 17		Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANKS - FACILITY

R02894
 "C" #04-11
RETURN
 TANKS
 (one page per site)
 Page 1 of 1

TYPE OF ACTION (Check one item only) 1. NEW SITE PERMIT 2. RENEWAL PERMIT 3. AMENDED PERMIT 4. CHANGE OF INFORMATION (Specify change - local use only) 5. TEMPORARY SITE CLOSURE 6. PERMANENTLY CLOSED SITE 7. TANK REMOVED

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3 SPRINGTOWN GAS		FACILITY OWNER TYPE	
NEAREST CROSS STREET 401 SPRINGTOWN BLVD.		<input type="checkbox"/> 4. LOCAL AGENCY/DISTRICT	
BUSINESS TYPE	<input checked="" type="checkbox"/> 1. GAS STATION <input type="checkbox"/> 2. DISTRIBUTOR <input type="checkbox"/> 3. FARM <input type="checkbox"/> 4. PROCESSOR <input type="checkbox"/> 5. COMMERCIAL <input type="checkbox"/> 6. OTHER	<input checked="" type="checkbox"/> 1. CORPORATION <input checked="" type="checkbox"/> 2. INDIVIDUAL <input type="checkbox"/> 3. PARTNERSHIP	<input type="checkbox"/> 5. COUNTY AGENCY* <input type="checkbox"/> 6. STATE AGENCY* <input type="checkbox"/> 7. FEDERAL AGENCY*
TOTAL NUMBER OF TANKS REMAINING AT SITE 404 3	Is facility on Indian Reservation or trustlands? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 405	*If owner of UST a public agency: a name of supervisor of division, section or office which operates the UST. (This is the contact person for the tank records.) 406	

PROPERTY OWNER NAME 407 MIKE AMINI		PHONE 408 (925) 487-2598	
MAILING OR STREET ADDRESS 409 909 BLUEBELL DR.			
CITY 410 LIVERMORE	STATE 411 CA	ZIP CODE 412 94551	
PROPERTY OWNER TYPE <input type="checkbox"/> 1. CORPORATION <input checked="" type="checkbox"/> 2. INDIVIDUAL <input type="checkbox"/> 3. PARTNERSHIP		<input type="checkbox"/> 4. LOCAL AGENCY / DISTRICT <input type="checkbox"/> 5. COUNTY AGENCY <input type="checkbox"/> 6. STATE AGENCY <input type="checkbox"/> 7. FEDERAL AGENCY 413	

TANK OWNER NAME 414 MIKE AMINI		PHONE 415 (925) 487-2598	
MAILING OR STREET ADDRESS 416 909 BLUEBELL DR.			
CITY 417 LIVERMORE	STATE 418 CA	ZIP CODE 419 94551	
TANK OWNER TYPE <input type="checkbox"/> 1. CORPORATION <input checked="" type="checkbox"/> 2. INDIVIDUAL <input type="checkbox"/> 3. PARTNERSHIP		<input type="checkbox"/> 4. LOCAL AGENCY / DISTRICT <input type="checkbox"/> 5. COUNTY AGENCY <input type="checkbox"/> 6. STATE AGENCY <input type="checkbox"/> 7. FEDERAL AGENCY 420	

TY (TK) HQ 4 4 - 036475 Call (916) 322-9669 if questions arise 421

INDICATE METHOD(S) 1. SELF INSURED 2. GUARANTEE 3. INSURANCE 4. SURETY BOND 5. LETTER OF CREDIT 6. EXEMPTION 7. STATE FUND 7. STATE FUND & CFO LETTER 7. STATE FUND & CD 10. LOCAL GOVT MECHANISM 99. OTHER: _____ 422

Check one box to indicate which address should be used for legal notification and mailing. Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked. 1. FACILITY 2. PROPERTY OWNER 3. TANK OWNER 423

Certification: I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF APPLICANT 424 W. E. Gard, GPC (Owner's Agent)	DATE 414 11-1-04	PHONE 425 (209) 556-0305
NAME OF APPLICANT (print) 426 W. E. GARD	TITLE OF APPLICANT 427 PETROLEUM CONSULTANT	

STATE UST FACILITY NUMBER (For local use only) 428	1998 UPGRADE CERTIFICATE NUMBER (For local use only) 429
--	--