

# SPRINGTOWN GAS

909 BLUEBELL DRIVE  
LIVERMORE, CA 94551

RECEIVED

1:14 pm, Oct 11, 2007

Alameda County  
Environmental Health

October 3, 2007

**Mr. Jerry Wickham**

Hazardous Materials Specialist  
ACHCSA-EHS  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**SUBJECT: DRILLING AND MONITORING WELL INSTALLATION  
AT THE PROPERTY**

909 Bluebell Drive, Livermore, CA

Dear Mr. Wickham:

Enclosed, please find a copy of the October 1, 2007 subject Drilling and Monitoring Well Installation prepared by my consultant, Enviro Soil Tech Consultants.

I declare, under penalty of perjury, that the information and/or recommendations contained in this report are true and correct to the best of my knowledge.

Sincerely,



MASOOD AMINI

10/3/07

**DRILLING AND MONITORING WELL  
INSTALLATION AT THE PROPERTY  
LOCATED AT 909 BLUEBELL DRIVE  
LIVERMORE, CALIFORNIA  
OCTOBER 1, 2007**

**PREPARED FOR:  
MR. MASOOD AMINI FILABADI  
SPRINGTOWN GAS  
909 BLUEBELL DRIVE  
LIVREMORE, CALIFORNIA 94551**

**BY:  
ENVIRO SOIL TECH CONSULTATNS  
131 TULLY ROAD  
SAN JOSE, CALIFORNIA 95111**

**ENVIRO SOIL TECH CONSULTANTS**

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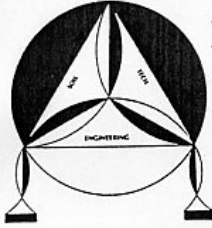
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## **ENVIRO SOIL TECH CONSULTANTS**

Environmental & Geotechnical Consultants

*131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111*

Tel: (408) 297-1500

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October 1, 2007

File No. 10-93-567-ST

**Mr. Masood Amini Filabadi**  
Springtown Gas  
909 Bluebell Drive  
Livermore, California 94551

**SUBJECT: DRILLING AND MONITOR WELL INSTALLATION  
AT THE PROPERTY**

Located at 909 Bluebell Drive, in  
Livermore, California

Dear Mr. Filabadi:

Enviro Soil Tech Consultants (ESTC) submitted a work plan in May 2007 to the Alameda County Health Care Services Agency on your behalf to continue the investigation of groundwater contamination beneath your property located at 909 Bluebell Drive in Livermore. The second and fourth tasks that were proposed in that plan were to drill four Geoprobe borings and four monitor wells to collect soil and groundwater samples. That work was performed on August 22, 23, and 28 and September 4, 2007, and this report presents the results of the investigation.



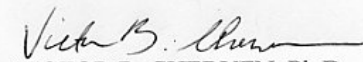
File No. 10-93-567-ST

If you have any questions or require additional information, please feel free to contact our office at 408-297-1500 or via email at [info@envirosoiltech.com](mailto:info@envirosoiltech.com).

Sincerely yours,

**ENVIRO SOIL TECH CONSULTANTS**

  
FRANK HAMEDI-FARD  
GENERAL MANAGER

  
VICTOR B. CHERVEN, Ph.D.  
P.G. #3475

  
LAWRENCE KOO  
C. E. #34928



**ENVIRO SOIL TECH CONSULTANTS**

**DRILLING AND WELL INSTALLATION  
SPRINGTOWN GAS  
909 BLUEBELL DRIVE  
LIVERMORE, CALIFORNIA**

**1.0 INTRODUCTION**

Enviro Soil Tech Consultants (ESTC) conducted an initial subsurface investigation of gasoline contamination at 909 Bluebell Drive in Livermore in February 2007. The site is located at the intersection of Springtown Boulevard and Bluebell Drive (Figure 1). Nine borings were drilled, and soil and groundwater samples were collected for laboratory analysis. Gasoline constituents, primarily methyl tertiary butyl ether (MTBE) and Tertiary Butanol (TBA), were detected in both media. The results were presented in a *Preliminary Investigation and Evaluation Report* (PIER) that was submitted to the regulatory agency (Alameda County Health Care Services Agency) in March.

Based on those results, the health care agency requested further investigation to determine the lateral and vertical extent of contamination. ESTC drilled two cone penetrometer test (CPT) borings in June, 2007, and the results were reported in the *Cone Penetrometer Drilling* report in July. This report presents data from additional drilling that was conducted in August and groundwater monitoring that was performed in September.

## **2.0 FIELD PROCEDURES**

Drilling was conducted on August 22, 23, and 28. Vironex, Inc. mobilized a trailer-mounted direct-push (Geoprobe®) drilling rig to the site and drilled seven borings at the locations that were proposed or revised by ACHCSA. All of the borings were drilled to a depth of 20 feet. The borings were continuously logged, and samples were collected from the core at 5-foot intervals. In four of the borings, a disposal bailer was lowered to the bottom of the temporary casing and a water sample was collected. The samples were transferred to 40-ml glass vials and labeled and placed in a cooled ice chest. The other three borings were reamed out with 8-inch diameter hollow-stem augers and then converted to groundwater monitoring wells with 2-inch diameter PVC casing. Well construction details are shown in the logs for wells STMW-1 through STMW-3. Subsequently, the elevation of the top of the casing in each well was surveyed to mean sea level (see Appendix "J" – surveyor's report).

ESTC returned to the site on August 31 to develop and sample the wells on September 4, 2007. The depth to groundwater was measured in each well, and then they were hand-bailed until free of sediment. Samples were collected, transferred to 40-ml vials, and then placed into a cooled ice chest for transport to the laboratory.

## **3.0 RESULTS**

As in the previous two phases of drilling, all borings penetrated predominantly fine-grained sediment. Stiff to friable clay, ranging from black to gray or light brown is dominant. Sand, ranging from fine grained to gravelly, is present in GP-3 and GP-4 from 14 to at least 20 feet and in GP-2 from 13 to 16 feet. This bed correlates with the sand bed that was previously logged in SB-3, SB-4, and CPT-2. All five borings penetrated this bed at about the same depth, and the log from CPT-2 indicates that the bed coarsens

downward to its base at about 19.5 feet. The bed is present only along the northern edge of the property, and it was not encountered in any of the other borings. This implies that it trends in a northeast-southwest direction, as illustrated in Figure 3.

A total of 28 soil samples were analyzed, and the results are summarized in Tables 3 and 4. No samples contained detectable concentrations of gasoline (TPHg) or any of the volatile aromatic components of gasoline (BTEX), but several samples contained methanol, MTBE, or TBA. Methanol was detected at 5 feet in STMW-2 (8.9 mg/Kg) and at 10 feet in GP-2 (5.2 mg/Kg). MTBE was detected at 5 feet in STMW-2 (0.460 mg/Kg) and at 15 feet in STMW-1 (0.066 mg/Kg). It was detected at 10 feet in GP-2 (0.039 mg/Kg) and at 10 and 20 feet in GP-3 (0.012 and 0.034 mg/Kg, respectively). Unlike the samples collected in the first drilling phase in February 2007, where MTBE was mostly localized at a depth of 15 feet, MTBE was not isolated in a narrow depth range in the samples collected in this phase.

TBA was detected in nine samples, at concentrations ranging from 0.270 to 3.70 mg/Kg. Like MTBE, it was detected at all depths between 5 and 20 feet.

Figure 4 is a contour map of the total MTBE and TBA concentration in the depth interval from 5 to 10 feet. The map was constructed by selecting the sample (5 or 10 feet) with the highest total concentration. Figure 5 is a similar map for the depth interval from 15 to 20 feet. The map at 5-10 feet reveals that concentrations are highest beneath the underground tanks and diminish westward to less than the detection limit beneath the dispenser islands. The eastern limit at this depth is east of GP-1, and could be east of the property line. With depth, the extent of the two gasoline oxygenates increases somewhat and the locus of highest concentrations apparently shifts northward, but the concentrations decline considerably. The concentrations are low or below the detection limit in the borings where the first sand bed (Figure 3) is present, suggesting that the oxygenates are preferentially adsorbed by the finer-grained deposits.

Gasoline was detected in three of the water samples, but MTBE and TBA were again the predominant species (Tables 1 and 5). Both of these compounds were detected in three of the four Geoprobes, and TBA was detected in all three of the wells. Using these data and combining them with the results from samples collected in February and June yields the map in Figure 6. Like the map of soil contamination at 5-10 feet, the groundwater map indicates that concentrations are highest in the vicinity of the underground tanks and decrease with distance from them.

Depth-to-groundwater data were used to calculate the elevation of the water table and construct a groundwater elevation map (Figure 7). On September 4, the depth varied from about 6.5 to 9.5 feet below grade, which is considerable in view of the relatively flat terrain. Part of the depth difference is probably due to the fact that STMW-3 is located in the planter area along Bluebell Drive, which is slightly higher than the paved area where STMW-1 and STMW-2 are located. In any event, the water table is slightly higher on the south side of the dispenser area at STMW-2 than at either of the other locations, and the water table apparently slopes slightly toward the west.

#### **4.0 CONCLUSIONS**

The extent and location of the contaminant plume may come as somewhat of a surprise to the regulatory agency. Based apparently on regional data that suggest that groundwater in the area flows westward, ACHCSA requested ESTC to revise the previously proposed boring locations and move some of the borings and wells to the north and west, near the Bluebell Drive sidewalk. Rather than indicating that hydrocarbons have migrated in these directions from the dispensers and/or underground storage tanks, however, some of these borings encountered little or no contaminated soil

or groundwater. For example, the fact that neither soil nor water samples from monitor well STMW-3 and boring GP-4 were impacted implies that the contaminants have not migrated downgradient toward the west. This confirms data from previous drilling, which showed that concentrations in SB-2 and SB-3 are low. Instead, higher concentrations are present around the north and east ends of the tank pit, and the highest concentrations are directly beneath the underground storage tanks. It is important to note, however, that even there the concentrations are not extremely high, meaning that the overall mass of hydrocarbons is fairly low relative to many similar sites.

Contamination is present over a relatively limited depth range, from the surface to about 20 or perhaps 25 feet. Water samples from CPT borings below this depth were not impacted. Clay, with variable amounts of silt, sand, and gravel, is the principal sediment type in this interval, and the only coarser-grained deposit above 30 feet is a sand bed that is a few to several feet thick on the northern edge of the property. Hydrocarbon concentrations in this bed tend to be lower than in the more common clayey beds, and it appears that much of the mass of the contaminants is locked up within the fine-grained beds and is relatively immobile.

## **5.0 RECOMMENDATIONS**

Because a moderate level of groundwater contamination is indicated by the results of this phase of drilling, we recommend starting a quarterly monitoring program for this site. Hydrocarbon concentrations are too low to be indicative of free-phase product, so it will not be necessary to monitor for hydrocarbon sheen or odor, but water depths should be measured and samples collected for analysis. The site should be re-evaluated after one year of monitoring to determine whether monitoring should continue or additional investigation is warranted.

## **6.0 LIMITATIONS**

This report and the schedule work have been provided in accordance with the general principles and practices currently employed in the environmental consulting profession. The contents of this report reflect the conditions of the site at this particular time. The findings of this report are based on:

1. The observations of field personnel.
2. The results of laboratory analyses performed by a state-certified laboratory.

This report is issued with the understanding that it is the responsibility of the owner or his/her representative to ensure that the information herein is called to the attention of the Local Environmental Agency.

Services performed by ESTC has been in accordance with generally accepted environmental professional practices for the nature and conditions of the work complete in the sample or similar localities at the time the work was performed. This report is not meant to represent a legal opinion. No other warranty, express or impacted is made.

**A P P E N D I X "A"**

**TABLES**



**TABLE 1  
GROUNDWATER MONITORING DATA (feet)  
AND ANALYTICAL RESULTS**

Date	Well No./ Elevation	Depth of Well	Depth to Perf.	Depth to Water	GW Elev.	Well Observation	TPHg µg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE µg/L	Ethanol µg/L	Methanol mg/L	TBA µg/L	Other VOCs by EPA 8260B (µg/L)
9/04/07	STMW-1 (517.55)●	20	10-20	6.58 ]	510.97	Rainbow sheen No odor	220	ND <10	ND <10	ND <10	ND <10	850	ND <4000	ND <1	6500	None Detected<10
9/04/07	STMW-2 (519.59)●	20	10-20	8.30 ]	511.29	No sheen or odor	ND <50	ND <0.5	ND <0.5	ND <0.5	ND <0.5	ND <1	ND <200	ND <1	42	Tetrahydrofuran 49
9/04/07	STMW-3 (520.37)●	20	10-20	9.52 ]	510.85	No sheen or odor	59	ND <1	ND <1	ND <1	ND <1	160	ND <400	ND <1	120	None Detected<1

**TPHg** – Total Petroleum Hydrocarbons as gasoline

**MTBE** – Methyl Tertiary Butyl Ether

**Perf.** – Perforation

**TBA** – tert-Butanol

**mg/L** – Milligrams Per Liter

**ND** – Not Detected (below laboratory detection limit)

\* Well screens are not submerged

● Mean Sea Level

**BTEX** – Benzene, Toluene, Ethylbenzene, Total Xylenes

**GW Elev.** – Groundwater Elevation

**PCE** – Tetrachloroethene

**TCE** – Trichloroethene

**µg/L** – Micrograms Per Liter

] Well screens are submerged

**TABLE 2  
SUMMARY OF MONITORING WELLS DATA  
IN FEET**

<b>Well No.</b>	<b>Well Diameter (inch)</b>	<b>Depth of Well</b>	<b>Depth of Perforation</b>	<b>Depth of Blank</b>	<b>Depth of Cement</b>	<b>Depth of Bentonite</b>	<b>Depth of Sand</b>
STMW-1	2	20	10-20	0-10	0-7	7-8	8-20
STMW-2	2	20	10-20	0-10	0-7	7-8	8-20
STMW-3	2	20	10-20	0-10	0-7	7-8	8-20

**TABLE 3  
SUMMARY OF SOIL SAMPLES ANALYTICAL RESULTS  
FROM GEOPROBE BOREHOLES**

Date	Sample Number	Depth feet	TPHg mg/Kg	Methanol mg/Kg	B µg/Kg	T µg/Kg	E µg/Kg	X µg/Kg	MTBE µg/Kg	Ethanol µg/Kg	PCE µg/Kg	TBA µg/Kg	TCE µg/Kg	Other VOCs by 8260B µg/Kg
8/22/07	GP-1-5	5	ND<0.5	ND<5	ND<12	ND<12	ND<12	ND<25	ND<12	ND<1200	ND<12	1300	ND<12	Acetone 420
	GP-1-10	10	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-1-15	15	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<10	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-1-20	20	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<10	ND<500	ND<5	720	ND<5	Acetone 110 Carbon Disulfide 5.2
	GP-2-5	5	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<10	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-2-10	10	ND<0.5	5.2	ND<25	ND<25	ND<25	ND<50	39	ND<2500	ND<25	3700	ND<25	None Detected<25
	GP-2-15	15	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-2-20	20	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-3-5	5	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-3-10	10	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	12	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-3-15	15	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	490	ND<5	None Detected<5
	GP-3-20	20	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	34	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-4-5	5	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-4-10	10	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-4-15	15	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	GP-4-20	20	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5

**TPHg** – Total Petroleum Hydrocarbon as gasoline

**MTBE** – Methyl Tertiary Butyl Ether

**TBA** – tert-Butanol

**VOCs** – Volatile Organic Compounds

**mg/Kg** – Milligram per Kilogram

**BTEX** – Benzene, Toluene, Ethylbenzene, Total Xylenes

**PCE** – Tetrachloroethene

**TCE** - Trichloroethene

**ND** – Not Detected (below laboratory detection limit)

**µg/Kg** – Microgram per Kilogram

**TABLE 4**  
**SUMMARY OF SOIL SAMPLES ANALYTICAL RESULTS**  
**FROM BOREHOLES OF MONITORING WELLS**

Date	Sample Number	Depth feet	TPHg mg/Kg	Methanol mg/Kg	B µg/Kg	T µg/Kg	E µg/Kg	X µg/Kg	MTBE µg/Kg	Ethanol µg/Kg	PCE µg/Kg	TBA µg/Kg	TCE µg/Kg	Other VOCs by 8260B µg/Kg
8/23/07	STMW-1-5	5	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	STMW-1-10	10	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	760	ND<5	None Detected<5
	STMW-1-15	15	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	66	ND<500	ND<5	900	ND<5	None Detected<5
	STMW-1-20	20	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	570	ND<5	None Detected<5
	STMW-2-5	5	ND<0.5	8.9	ND<25	ND<25	ND<25	ND<50	460	ND<2500	ND<25	3700	ND<25	Acetone 950
	STMW-2-10	10	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	270	ND<5	None Detected<5
	STMW-2-15	15	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	STMW-2-20	20	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
8/28/07	STMW-3-5	5	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	STMW-3-10	10	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	STMW-3-15	15	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5
	STMW-3-20	20	ND<0.5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<500	ND<5	ND<40	ND<5	None Detected<5

**TPHg** – Total Petroleum Hydrocarbon as gasoline

**MTBE** – Methyl Tertiary Butyl Ether

**TBA** – tert-Butanol

**VOCs** – Volatile Organic Compounds

**mg/Kg** – Milligram per Kilogram

**BTEX** – Benzene, Toluene, Ethylbenzene, Total Xylenes

**PCE** – Tetrachloroethene

**TCE** - Trichloroethene

**ND** – Not Detected (below laboratory detection limit)

**µg/Kg** – Microgram per Kilogram

**TABLE 5  
SUMMARY OF WATER SAMPLES ANALYTICAL RESULTS  
FROM GEOPROBE BOREHOLES**

Date	Sample Number	TPHg µg/L	Methanol mg/L	B µg/L	T µg/L	E µg/L	X µg/L	MTBE µg/L	Ethanol µg/L	PCE µg/L	TBA µg/L	TCE µg/L	Other VOCs by 8260B µg/L
8/22/07	GP-1-20W	ND<50	ND<1	ND<1	ND<1	ND<1	ND<1	61	ND<400	ND<1	110	ND<1	None Detected<1
	GP-2-20W	ND<50	1.7	ND<1	ND<1	ND<1	ND<1	81	ND<400	ND<1	540	ND<1	None Detected<1
	GP-3-20W	220a	ND<1	ND<2.5	ND<2.5	ND<2.5	ND<2.5	370	ND<1000	ND<2.5	230	ND<2.5	None Detected<2.5
	GP-4-20W	ND<50	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<200	ND<0.5	ND<10	ND<0.5	None Detected<0.5

**TPHg** – Total Petroleum Hydrocarbon as gasoline

**MTBE** – Methyl Tertiary Butyl Ether

**TBA** – tert-Butanol

**VOCs** – Volatile Organic Compounds

**mg/L** – Milligram per Liter

**a** – Not a gasoline pattern (value due to MTBE in sample)

**BTEX** – Benzene, Toluene, Ethylbenzene, Total Xylenes

**PCE** – Tetrachloroethene

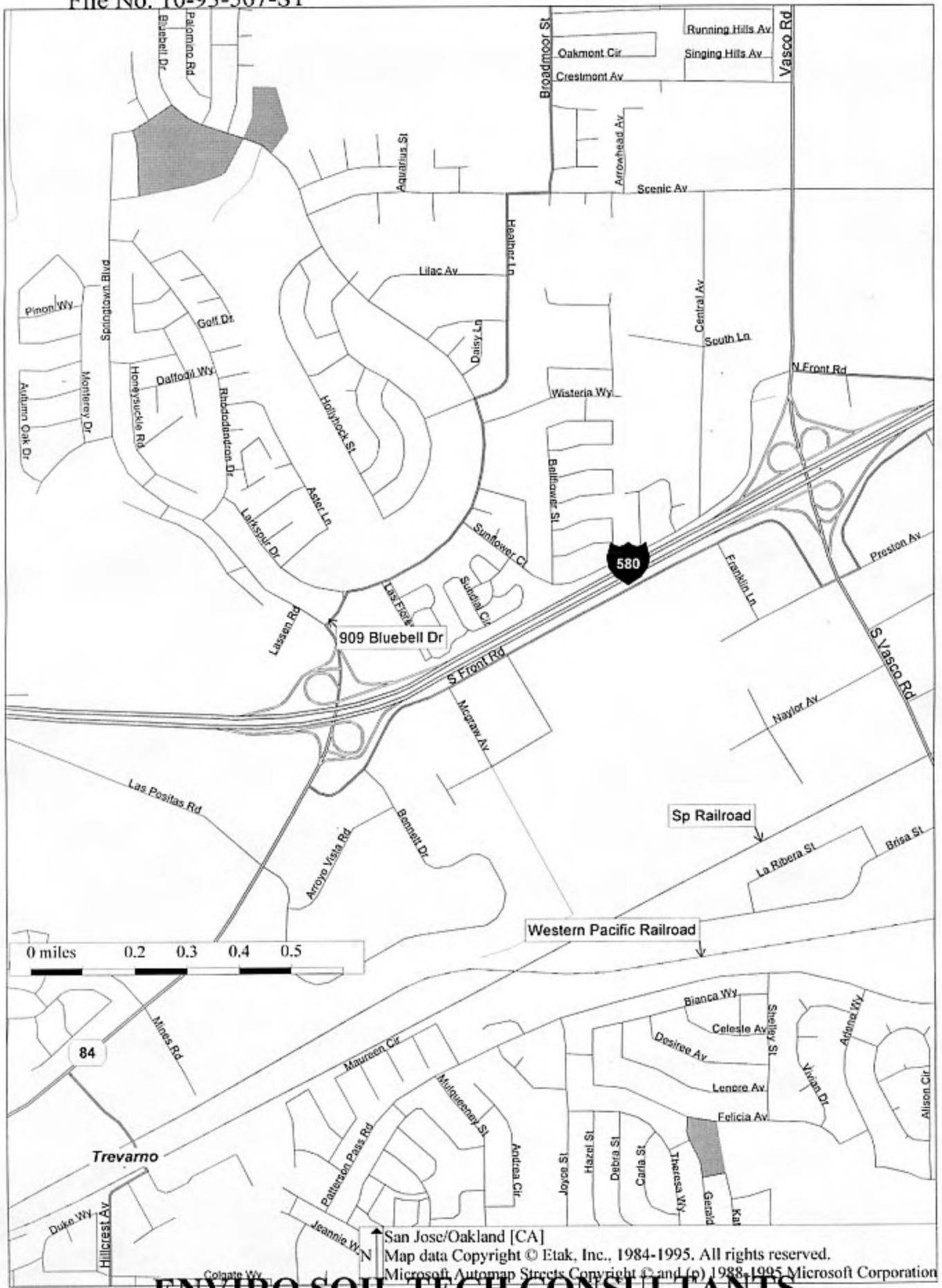
**TCE** - Trichloroethene

**ND** – Not Detected (below laboratory detection limit)

**µg/L** – Microgram per Liter

**A P P E N D I X "B"**

**FIGURES**



**ENVIRO SOIL TECH CONSULTANTS**

Figure 1

Enviro Soil Tech  
Consultants

131 Tully Road  
San Jose, CA 95112

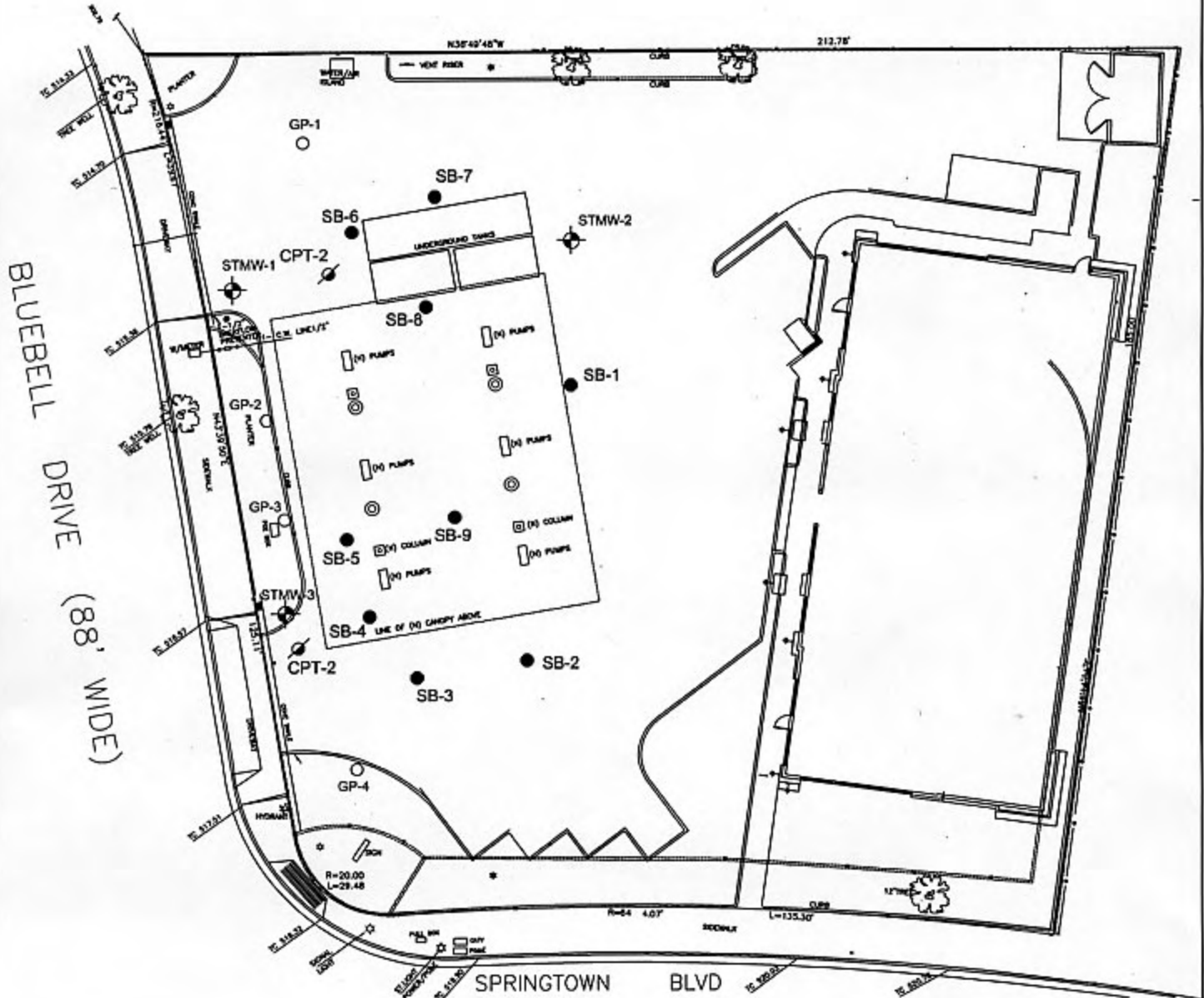
PROJECT

909 Bluebell Drive  
Livermore, California

PROJECT # 10-93-567-ST  
DATE: 10/1/2007

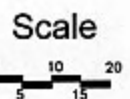
Figure 2

Site Map



Legend

- = Soil Boring
- = Geoprobe Boring
- ⊕ = Monitor Well
- /○ = CPT Boring





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Consultants

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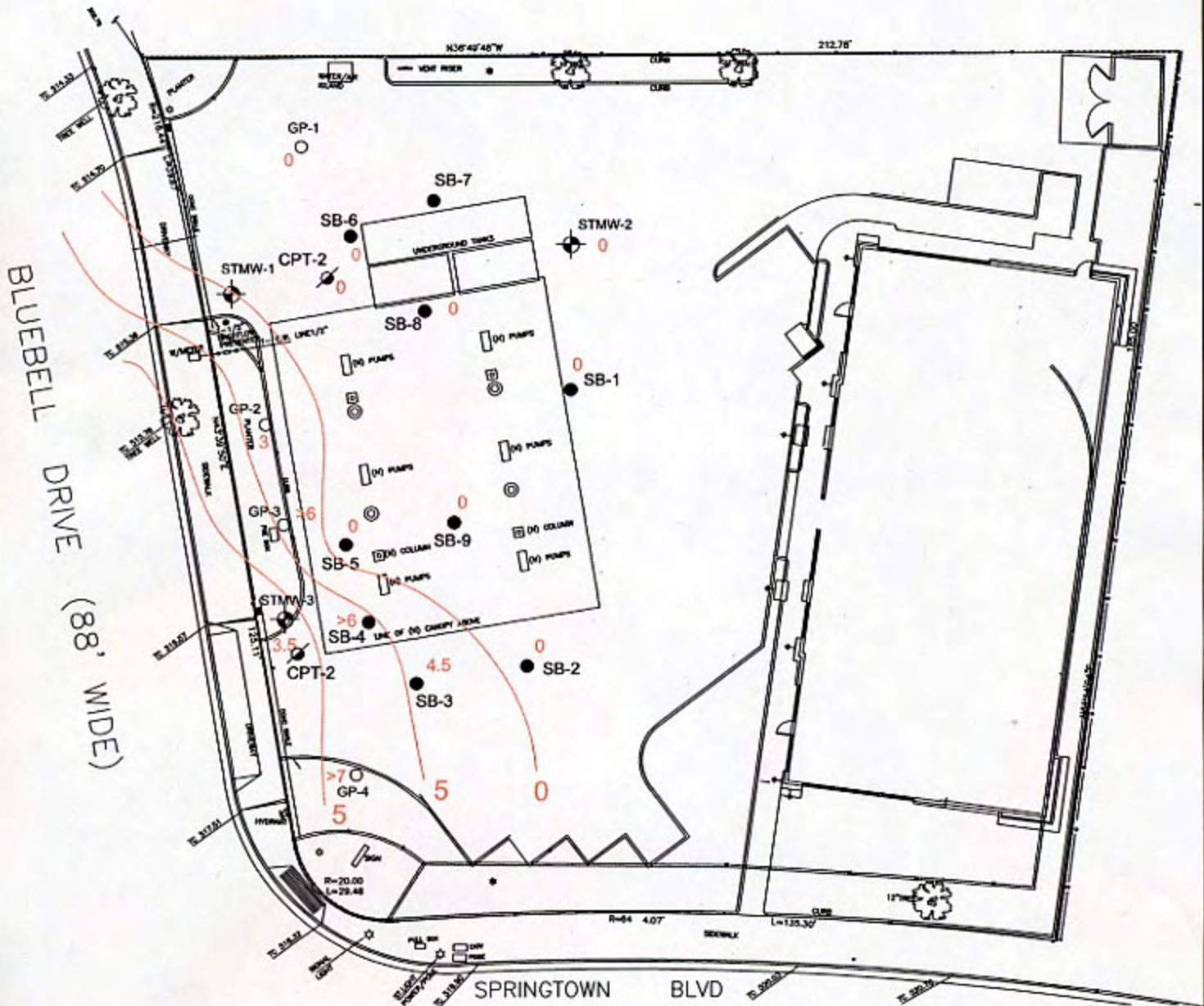
PROJECT

909 Bluebell Drive  
Livermore, California

PROJECT # 10-93-567-ST  
DATE: 10/1/2007

Figure 3

Isopach of  
First Sand Bed

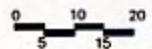


Legend

- = Soil Boring
- = Geoprobe Boring
- ⊕ = Monitor Well
- ⊙ = CPT Boring



Scale



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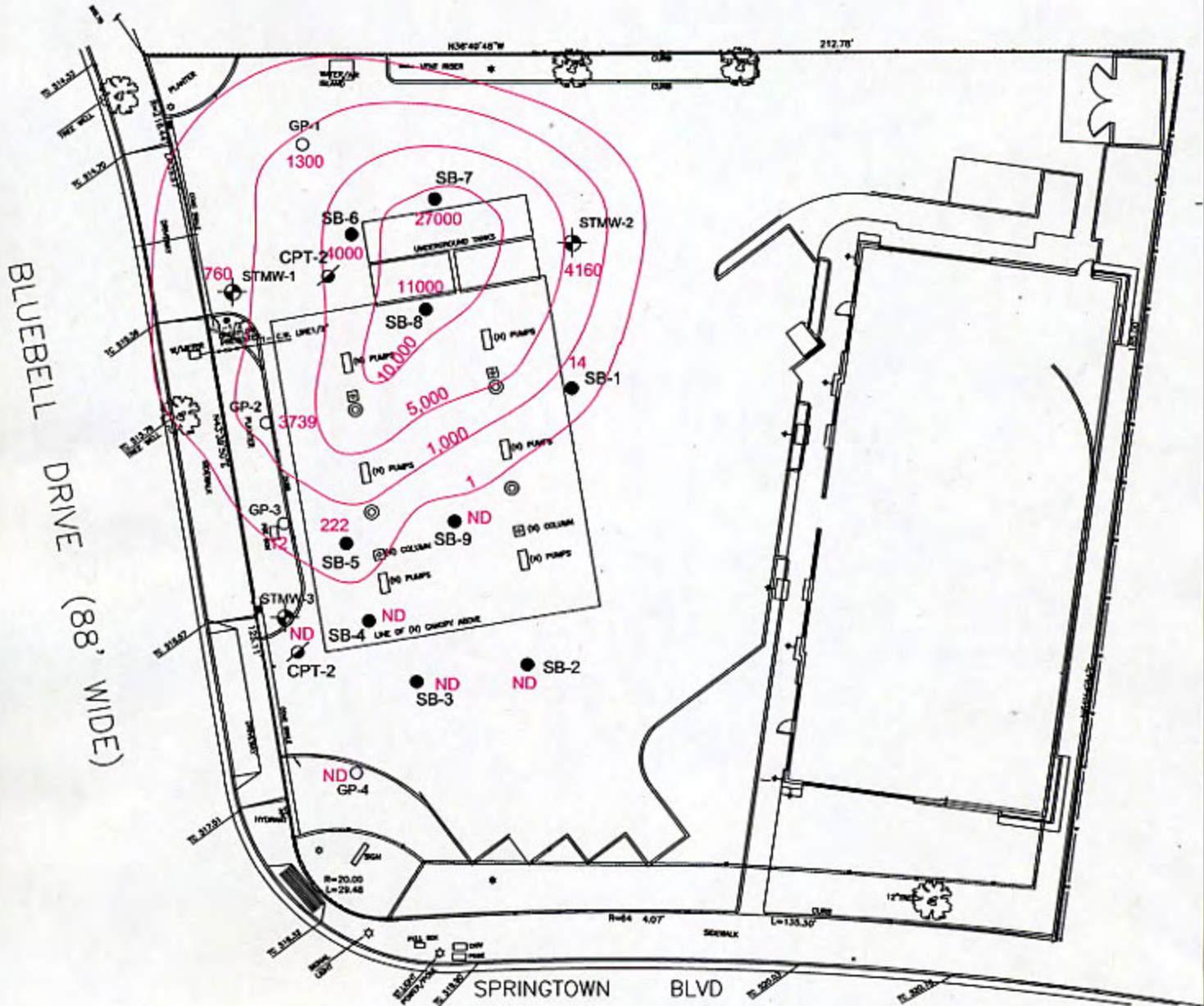
PROJECT

909 Bluebell Drive  
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PROJECT # 10-93-567-ST  
DATE: 10/1/2007

Figure 4

Isocontours of Highest MTBE  
& TBA in Soil @ 5-10 feet



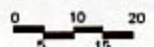
Legend

- = Soil Boring
- = Geoprobe Boring
- ⊕ = Monitor Well
- ⊙ = CPT Boring

Isocontours are Variable in mg/kg



Scale



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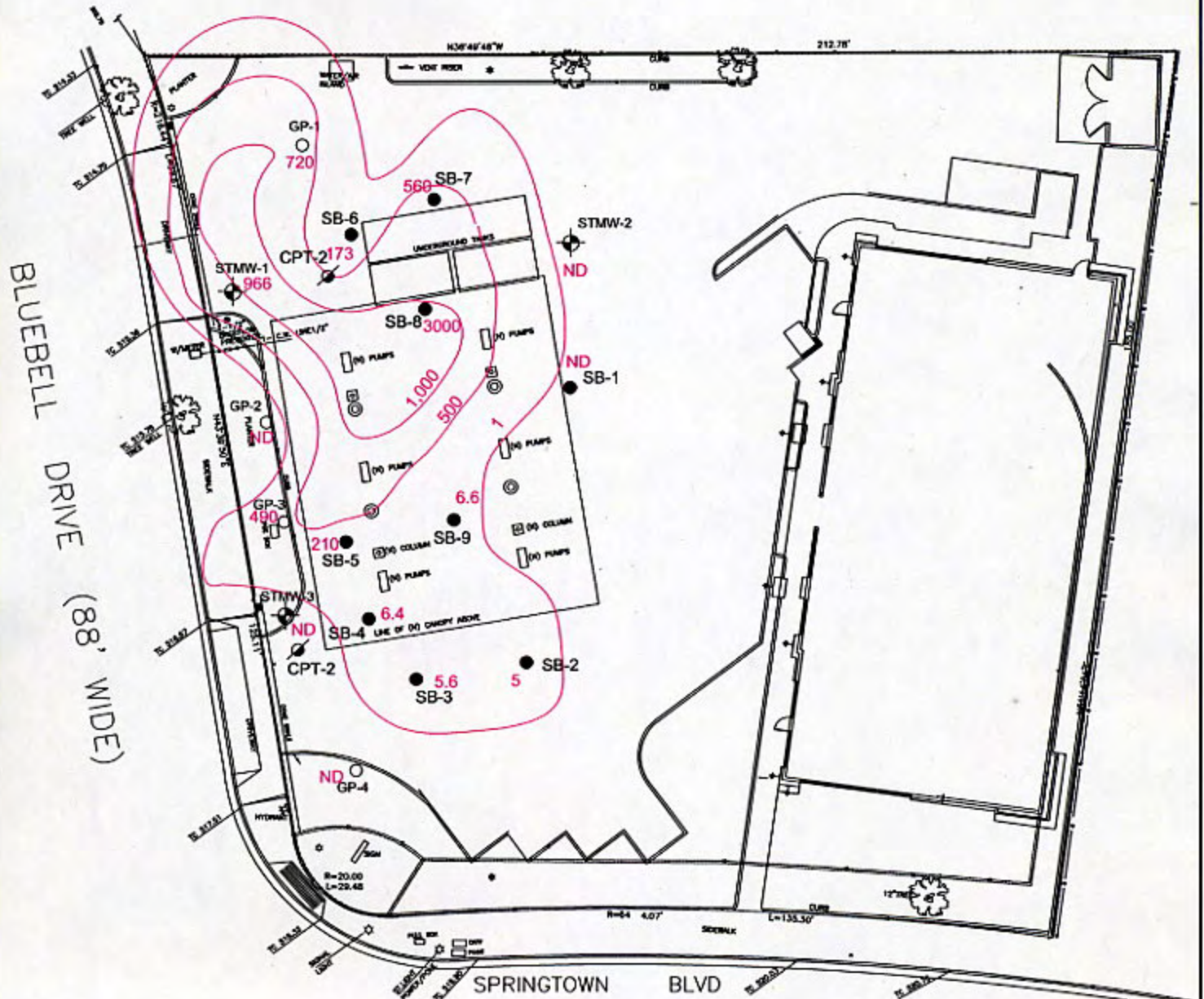
PROJECT

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Livermore, California

PROJECT # 10-93-567-ST  
DATE: 10/2/2007

Figure 5

Isocontours of Highest MTBE  
& TBA in Soil @ 15-20 feet

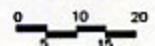


Legend

- = Soil Boring
- = Geoprobe Boring
- ⊕ = Monitor Well
- ⊙ = CPT Boring

Isocontours are Variable in mg/kg

Scale



Enviro Soil Tech  
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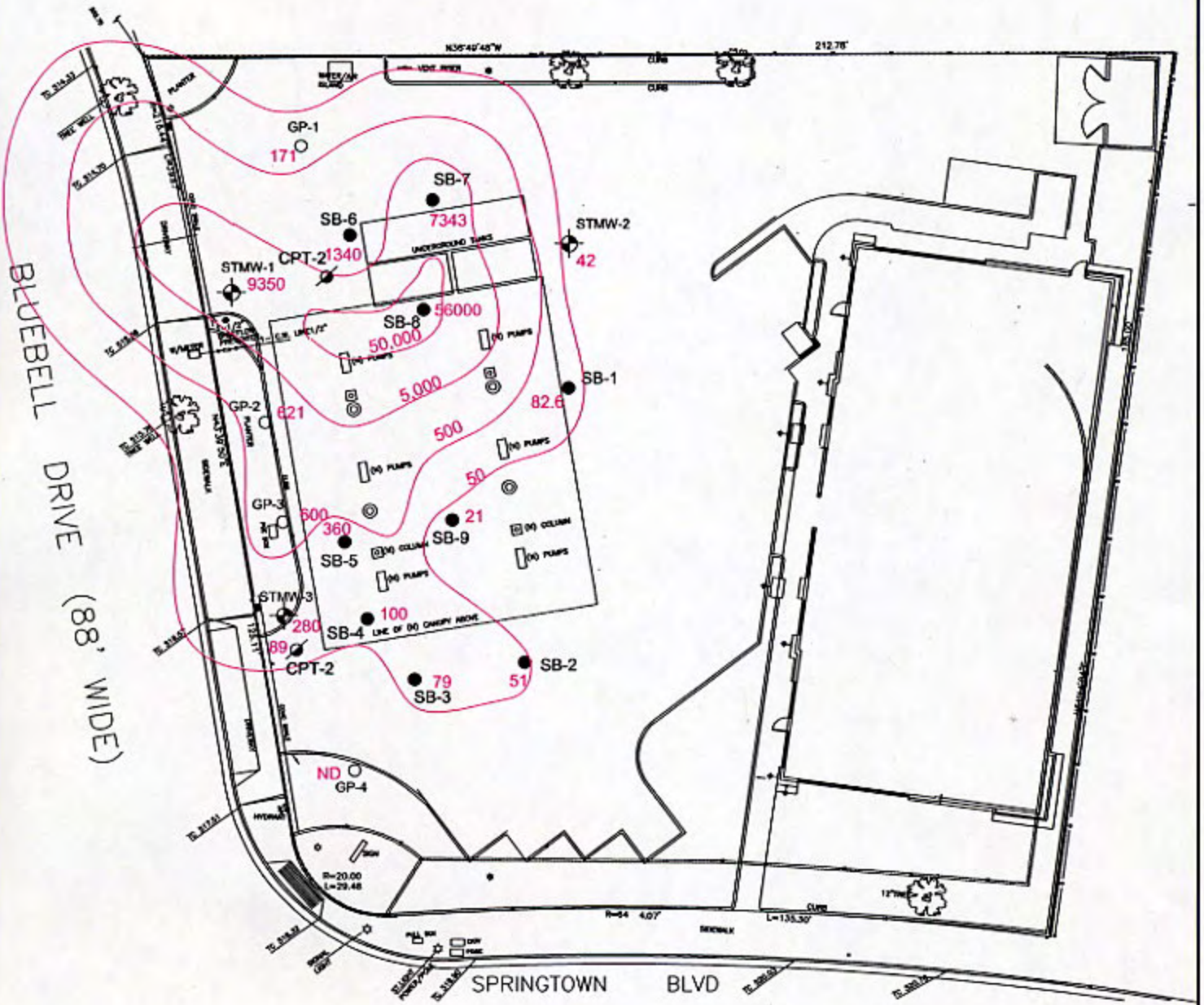
PROJECT

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PROJECT # 10-93-567-ST  
DATE: 10/2/2007

Figure 6

Isocontours of MTBE & TBA in  
Groundwater for all 2007 Samples



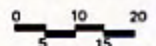
Legend

- = Soil Boring
- = Geoprobe Boring
- ⊕ = Monitor Well
- ⊙ = CPT Boring

Isocontours are Variable in ug/L



Scale



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Consultants

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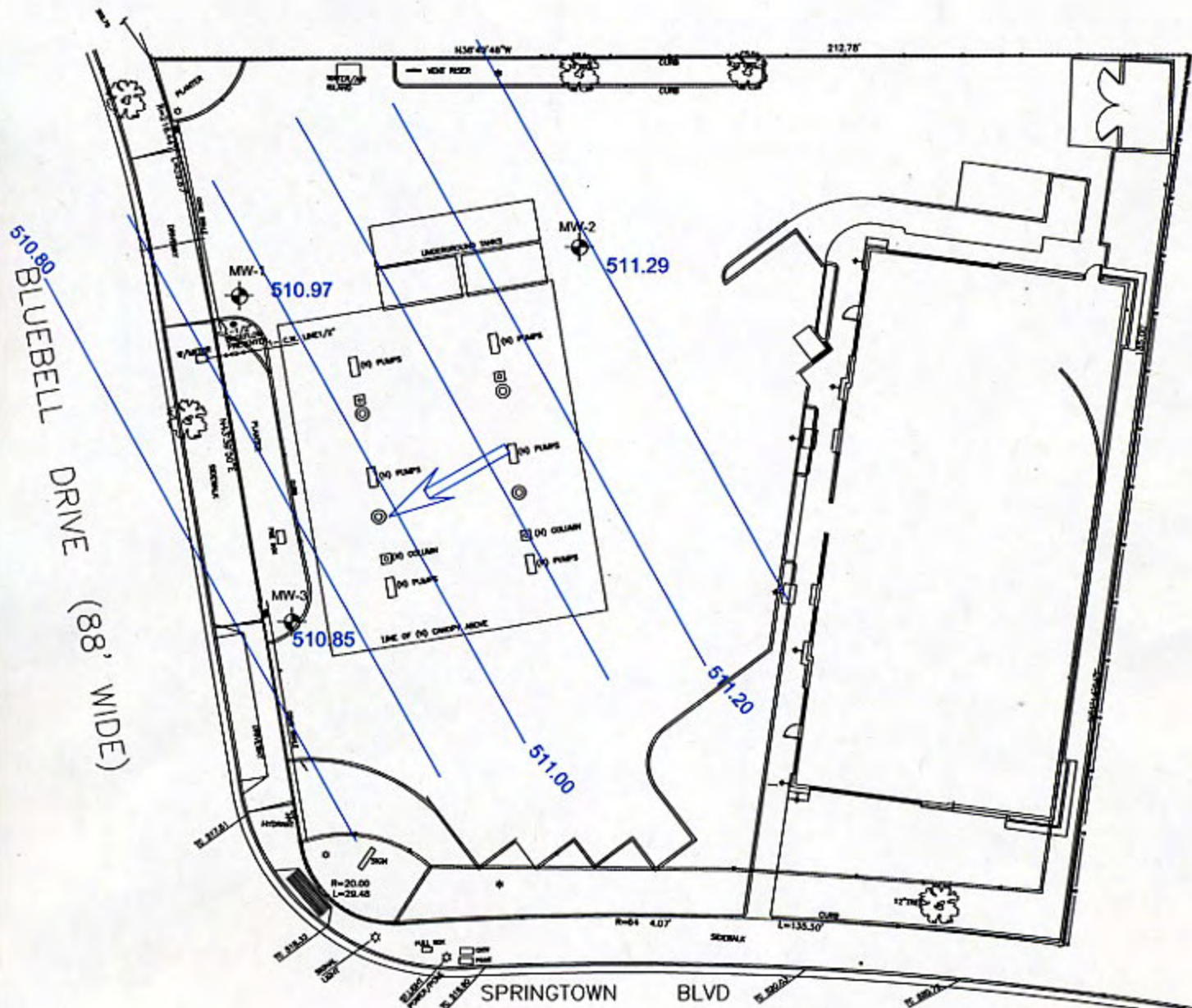
PROJECT

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Livermore, California

PROJECT # 10-93-567-ST  
DATE: 10/1/2007

Figure 7

Groundwater Gradient  
September 4, 2007

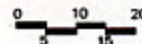


Legend

- = Soil Boring
- = Geoprobe Boring
- ⊕ = Monitor Well

Contour Intervals = 0.10 feet

Scale



**A P P E N D I X "C"**

**STANDARD OPERATION PROCEDURES**

**ENVIRO SOIL TECH CONSULTANTS**

## **DRILLING AND SOIL SAMPLING PROCEDURE**

A direct push technology (Geoprobe) tool with hollow-stem auger was used in drilling the soil borings to the desired depths.

Prior to drilling, all drilling equipment was thoroughly steam-cleaned to minimize the possibility of cross-contamination and/or vertical migration of possible contaminants.

In addition, sampling equipment was washed between samples with Tri-sodium Phosphate (TSP) solution or an equivalent EPA-approved detergent followed by a rinse in distilled water.

During the drilling operation, undisturbed soil samples were taken from the required depth by forcing a 2-inch sampler lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole by means of hydraulic push technologies.

The selected sampling tubes were immediately trimmed, the ends covered tightly with aluminum foil and plastic caps, sealed with tape labeled, placed in a plastic bag and stored in a cold ice chest in order to minimize the escape of any volatile present in the samples. Soil samples were sent to a state-certified hazardous waste laboratory for analysis accompanied by a chain-of-custody record.

Soil samples collected at each sampling interval were inspected for any possible contamination (odor or peculiar colors). Soil vapor concentrations were measured in the field by using a Photoionization Detector (PID), Photovac Tip Air Analyzer. The soil sample was sealed in a Zip-Loc plastic bag and placed in the sun to enhance volatilization of the hydrocarbons from the sample. The purpose of this field analysis is to qualitatively determine the presence or absence of hydrocarbons and to establish which soil samples were analyzed at the laboratory. The data was recorded on the drilling log at the depth corresponding to the sampling point.

Other soil samples may be collected to document the stratigraphy and estimate relative permeability of the subsurface materials.

Soil tailings that are obtained during drilling were stored at the site, pending the analytical test results to determine proper disposal.



## **MONITORING WELL INSTALLATION**

The boreholes for the monitoring wells were hand augered to the depth of 5-feet in order to detect any underground buried lines with a diameter of at least two inches larger than the casing outside diameter (O.D.).

The monitoring wells were cased with threaded, factory-perforated and blank, schedule 40 PVC. The perforated interval consisted of slotted casing, generally 0.010 to 0.040 inch wide by 1.5-inch long slot size, with 42 slots per foot (slots which match formation grain size as determined by field grain-size distribution analysis). A PVC cap was fastened to the bottom of the casing (no solvents, adhesive, or cements were used), the well casing was thoroughly washed and steam-cleaned.

After setting the casing inside the borehole, kiln-dried sand or gravel-filter material was poured into the annular space to fill from the bottom of the boring to two feet above the perforated interval. Half-a-foot to two feet thick bentonite plug was placed above this filter material to prevent grout from infiltrating down into the filter material. Approximately one to two gallons of distilled water was added to hydrate the bentonite pellets. Then the well was sealed from the top of the bentonite seal to the surface with concrete or neat cement containing about 5% bentonite (see Well Construction Detail).

To protect the well from vandalism and surface water contamination, Christy box with a special type of Allen screw was installed around the wellhead, (for wells in parking lots, driveways and building areas). Steel stove pipes with padlocks were usually set over wellheads in landscaped areas.

In general, groundwater monitoring wells extend to the base of the upper aquifer, as defined by the consistent (less than 5 feet thick) clay layer below the upper aquifer, or at least 10 to 15 feet below the top of the upper aquifer, whichever is shallower. The wells do not extend through the laterally extensive clay layer below the upper aquifer. The wells are terminated one to two feet into such a clay layer.

## **WELL DEVELOPMENT**

For all newly installed groundwater monitoring wells, the well casing, filter pack and adjacent formations were cleared of disturbed sediment and water.

Well development techniques including pumping, bailing, surging, swabbing, jetting, flushing or air lifting by using a stainless steel or Teflon bailer, a submersible stainless steel pump, or air lift pump. The well development was continued until the discharged water appeared to be relatively free of all turbidity.

All water and sediment generated by well development was collected in 55-gallon steel drums (Department of Transportation approved), closed head (17-H) for temporarily storage, and then was disposed of properly, depending on analytical results.

To assure that cross-contamination did not occur between wells, all well development tools were steam-cleaned or thoroughly washed in a Trisodium Phosphate (TSP) solution followed by a rinse in distilled water before each well development.

## **GROUNDWATER SAMPLING**

Prior to collection of groundwater samples, all of the sampling equipment (i.e. bailer, cables, bladder pump, discharge lines and etc...) was cleaned by pumping TSP water solution followed by distilled water.

Prior to purging, the well “Water Sampling Field Survey Forms” was filled out (depth to water and total depth of water column will be measured and recorded). The well then was bailed or pumped to remove four to ten well volumes or until the discharged water temperature, conductivity and pH stabilized. “Stabilized” is defined as three consecutive readings within 15% of one another.

The groundwater sample was collected when the water level in the well recovered to 80% of its static level.

Forty milliliter (ml.) glass volatile organic analysis (VOA) vials with Teflon septa were used as sample containers. The groundwater sample was decanted into each VOA vial in such a manner that there was a meniscus at the top. The cap quickly was placed over the top of the vial and securely tightened. The VOA vial was then be inverted and tapped to see if air bubbles are present. If none is present, then the sample was labeled and refrigerated for delivery under chain-of-custody to the laboratory. The label information has included a sample identification number, job identification number, date, time, type of analysis requested and the sampler’s name.

**A P P E N D I X "D"**

**BORING LOGS**

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION 909 Bluebell Drive, Livermore, CA		GROUND SURFACE ELEVATION: TOP OF WELL CASING ELEVATION:	
DRILLING AGENCY Vironex, Inc.	DRILLER J. McAssey	DATE STARTED: 8/22/07	DATE FINISHED: 8/22/07
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (ft) 20'	
DRILLING METHOD Rapid push hollow-stem auger	DRILL BIT	HAMMER	SAMPLER 2" polyethene
SIZE AND TYPE OF CASING		NUMBER OF SAMPLES BULK: 4	DRIVE:
TYPE OF PERFORMANCE		WATER FIRST DEPTH	COMPL.: 24 hrs.
SIZE AND TYPE OF PACK		LOGGED BY Frank Hamedi	CHECKED BY Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO	<b>LOG OF BORING GP-1</b>
	No. 1:			No. 3:			
	No. 2:			No. 4:			

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES			INDEX PROPERTIES		
								NUMBER TYPE	POCKET PEN. 1sf	BLOWS/ foot	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)
0	.8-inch Concrete.						0						
	12-inch grayish-green gravelly Sand (baserock).	GP-SP											
	Black silty Clay, damp, stiff.	CL-ML											
5	Green sandy silty Clay, moist, stiff.	CL-ML					5	1-5					
	Light gray to brown silty Clay, moist, stiff.	CL-ML											
10	Light brown gravelly sandy Clay, moist, stiff.	CL					10	1-10					
	Light brown silty Clay, wet, medium stiff.	CL-ML											
15							15	1-15					
20	Boring terminated.						20	1-20					
25							25						
30							30						
35							35						

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	909 Bluebell Drive, Livermore, CA		GROUND SURFACE ELEVATION:	
DRILLING AGENCY	Vironex, Inc.	DRILLER	J. McAssey	TOP OF WELL CASING ELEVATION:
DRILLING EQUIPMENT	Geoprobe		DATE STARTED:	8/22/07
DRILLING METHOD	Rapid push hollow-stem auger	DRILL BIT	DATE FINISHED:	8/22/07
SIZE AND TYPE OF CASING			COMPLETION DEPTH (ft)	20'
TYPE OF PERFORMATION	FROM	TO	NUMBER OF SAMPLES	BULK: 4 DRIVE:
SIZE AND TYPE OF PACK	FROM	TO	WATER FIRST DEPTH	COMPL.: 24 hrs.
			LOGGED BY	Frank Hamedi
			CHECKED BY	Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO	<b>LOG OF BORING GP-2</b>
	No. 1:			No. 3:			
	No. 2:			No. 4:			

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES			INDEX PROPERTIES		
								NUMBER	POCKET	BLOWS/	MOISTURE	DRY	UNCONFINED
								TYPE	PEN. 1st	foot	CONTENT (%)	DENSITY (pcf)	COMPRESSIVE STRENGTH (psf)
0	Black clayey Silt (landscaping material) , soft, moist.	ML					0						
	Black silty Clay, moist, stiff.	CL-ML					5						
5							5						
	Gray silty Clay, moist, stiff.	CL-ML					10						
10							10						
	Light greenish-gray silty Clay, moist, very stiff.												
	Light brown sandy Clay with few pea gravel, moist, very stiff	CL											
	Light brown clayey Sand with few pea gravel, moist, stiff.	SC					15						
15							15						
	Light gray to brown silty Clay, moist, very stiff.	CL-ML											
20	Boring terminated.						20						
25							25						
30							30						
35							35						

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	909 Bluebell Drive, Livermore, CA		GROUND SURFACE ELEVATION:	
DRILLING AGENCY	Vironex, Inc.	DRILLER	J. McAssey	TOP OF WELL CASING ELEVATION:
DRILLING EQUIPMENT	Geoprobe		DATE STARTED:	8/22/07
DRILLING METHOD	Rapid push hollow-stem auger	DRILL BIT	DATE FINISHED:	8/22/07
SIZE AND TYPE OF CASING			COMPLETION DEPTH (ft)	20'
TYPE OF PERFORMANCE	FROM	TO	NUMBER OF SAMPLES	BULK: 4 DRIVE:
SIZE AND TYPE OF PACK	FROM	TO	WATER FIRST DEPTH	COMPL: 24 hrs.
			LOGGED BY	Frank Hamedi
			CHECKED BY	Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO	<b>LOG OF BORING GP-3</b>
	No. 1:			No. 3:			
	No. 2:			No. 4:			

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES			INDEX PROPERTIES		
								NUMBER TYPE	POCKET PEN, 15f	BLOWS/foot	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)
0	Black sandy Silt (landscaping material), moist, stiff.	ML					0						
	Black sandy Clay, moist, stiff.	CL											
	Black sandy silty Clay, moist, very stiff.	CL-ML											
5	Brown sandy Clay, moist, very dense.	CL					5	3-5					
	Olive-brown gravely sandy Clay, moist, stiff.	CL											
10	Brown/gray sandy Clay to clayey Sand, moist, stiff, dense.	SC					10	3-10					
	Light brown clayey Sand with some gravel, moist, stiff, dense.	SC											
15	Light brown to light gray gravely Sand with some clay.	SP-SC					15	3-15					
20	Boring terminated.						20	3-20					
25							25						
30							30						
35							35						

SPRINGTOWN GAS

PROJECT NO. 10-93-567-ST

FIGURE:



ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION 909 Bluebell Drive, Livermore, CA		GROUND SURFACE ELEVATION: TOP OF WELL CASING ELEVATION:	
DRILLING AGENCY Vironex, Inc.	DRILLER J. McAssey	DATE STARTED: 8/22/07	DATE FINISHED: 8/22/07
DRILLING EQUIPMENT Geoprobe	COMPLETION DEPTH (ft) 20'		
DRILLING METHOD Rapid push hollow-stem auger	DRILL BIT	HAMMER	SAMPLER 2" polyethene
SIZE AND TYPE OF CASING		NUMBER OF SAMPLES BULK: 4	DRIVE:
TYPE OF PERFORATION	FROM TO	WATER FIRST: DEPTH	COMPL.: 24 hrs.
SIZE AND TYPE OF PACK	FROM TO	LOGGED BY Frank Hamedi	CHECKED BY Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO	<b>LOG OF BORING GP-4</b>
	No. 1:			No. 3:			
	No. 2:			No. 4:			

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES			INDEX PROPERTIES		
								NUMBER TYPE	POCKET PEN. 1st	BLOWS/ foot	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)
0	Black sandy clayey Silt (landscaping material), moist, stiff.	ML					0						
	Black clayey Silt with some gravel, moist, stiff.	ML											
	Black silty Clay with some gravel, moist, stiff.	CL-ML											
	Light brown gravely sandy Clay, moist, stiff.	CL											
5	Brown sandy Clay, moist, stiff.	CL					5	4-					
	Dark brown gravely sandy Clay, moist, stiff.	CL											
10	Brown silty Sand (well graded), dense, moist.	SW					10	4-					
	Brown gravely Sand (well graded), dense, moist.	SW											
15	Brown sandy Gravel (well graded), dense, moist.	GW					15	4-					
	Light brown silty Sand with minor gravel, dense, moist.	SM											
20	Boring terminated.						20	4-					
25							25						
30							30						
35							35						

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	909 Bluebell Drive, Livermore, CA		GROUND SURFACE ELEVATION:	
DRILLING AGENCY	Vironex, Inc.	DRILLER	J. McAssey	
DRILLING EQUIPMENT	Geoprobe		DATE STARTED:	8/23/07
DRILLING METHOD	Rapid push hollow-stem auger		DATE FINISHED:	8/23/07
SIZE AND TYPE OF CASING	PVC Schedule 40, 0.020		COMPLETION DEPTH (ft)	20'
TYPE OF PERFORATION	PVC	FROM 10 feet TO 20 feet	HAMMER	SAMPLER 2" polyethene
SIZE AND TYPE OF PACK	Sand #2/12		NUMBER OF SAMPLES	BULK: 4 DRIVE:
			WATER FIRST DEPTH	COMPL.: 24 hrs.
			LOGGED BY	Frank Hamedi
			CHECKED BY	Lawrence Koo

TYPE OF SEAL	TYPE	FR	TO	TYPE	FR	TO	<b>LOG OF BORING STMW-1</b>
	No. 1: Cement	0	7'	No. 3			
	No. 2: Bentonite	7'	8'	No. 4			

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES				INDEX PROPERTIES		
								NUMBER	POCKET PEN. lbf	BLOWS/foot	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)	
0	8-inch to 10-inch Concrete.						0							
	12-inch gray clayey sandy Gravel (baserock).	GC-SC												
	Black silty Clay, moist, stiff.	CL-ML												
5							5							
	Gray silty Clay, moist, stiff.	CL-ML												
	Light greenish-gray silty Clay, moist, very stiff.	CL-ML												
10							10							
	Light brown sandy Clay with few pea gravel, moist, very stiff.	CL												
	Light brown clayey Sand with few pea gravel, moist, stiff.	SC												
15							15							
	Light gray to brown silty Clay, moist, very stiff.	CL-ML												
20	Boring terminated.						20							
25							25							
30							30							
35							35							

SPRINGTOWN GAS

PROJECT NO. 10-93-567-ST

FIGURE:

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION 909 Bluebell Drive, Livermore, CA		GROUND SURFACE ELEVATION: TOP OF WELL CASING ELEVATION:	
DRILLING AGENCY Vironex, Inc.	DRILLER J. McAssey	DATE STARTED: 8/23/07	DATE FINISHED: 8/23/07
DRILLING EQUIPMENT Geoprobe		COMPLETION DEPTH (ft) 20'	
DRILLING METHOD Rapid push hollow-stem auger	DRILL BIT	HAMMER	SAMPLER 2" polyethene
SIZE AND TYPE OF CASING PVC Schedule 40, 0.020		NUMBER OF SAMPLES	BULK: 4 DRIVE:
TYPE OF PERFORMANCE PVC	FROM 10 feet TO 20 feet	WATER FIRST: DEPTH	COMPL.: 24 hrs.
SIZE AND TYPE OF PACK Sand #2/12	FROM 8' TO 20'	LOGGED BY Frank Hamedi	CHECKED BY Lawrence Koo

TYPE OF SEAL	TYPE		FR	TO	TYPE		FR	TO
	No. 1: Cement		0	7'	No. 3:			
	No. 2: Bentonite		7'	8'	No. 4:			

**LOG OF BORING STMW-2**

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES			INDEX PROPERTIES		
								NUMBER TYPE	POCKET PEN, 1st foot	BLOWS/foot	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)
0	12-inch Concrete.						0						
	12-inch gray clayey sandy Gravel (baserock).	GC-SC											
	Black sandy Clay, moist, stiff.	CL											
5	Light gray sandy Clay, moist, very stiff.	CL					5	2-5					
10	Grayish-brown silty Clay, moist, stiff.	CL-ML					10	2-10					
15	Grayish-brown sandy silty Clay, moist, stiff.	CL-ML					15	2-15					
20	Boring terminated.						20	2-20					
25							25						
30							30						
35							35						

SPRINGTOWN GAS

PROJECT NO. 10-93-567-ST

FIGURE:

ENVIRO SOIL TECH CONSULTANTS

BORING LOCATION	909 Bluebell Drive, Livermore, CA		GROUND SURFACE ELEVATION:	
DRILLING AGENCY	Vironex, Inc.	DRILLER	J. McAssey	TOP OF WELL CASING ELEVATION:
DRILLING EQUIPMENT	Geoprobe		DATE STARTED:	8/28/07
DRILLING METHOD	Rapid push hollow-stem auger	DRILL BIT	DATE FINISHED:	8/28/07
SIZE AND TYPE OF CASING	PVC Schedule 40, 0.020		COMPLETION DEPTH (ft)	20'
TYPE OF PERFORATION	PVC	FROM 10 feet TO 20 feet	HAMMER	SAMPLER 2" polyethene
SIZE AND TYPE OF PACK	Sand #2/12	FROM 8' TO 20'	NUMBER OF SAMPLES	BULK: 4 DRIVE:
			WATER FIRST: DEPTH	COMPL.: 24 hrs.
			LOGGED BY	Frank Hamed
			CHECKED BY	Lawrence Koo

TYPE OF SEAL	TYPE		FR	TO	TYPE		FR	TO
	No. 1: Cement		0	7'	No. 3:			
	No. 2: Bentonite		7'	8'	No. 4:			

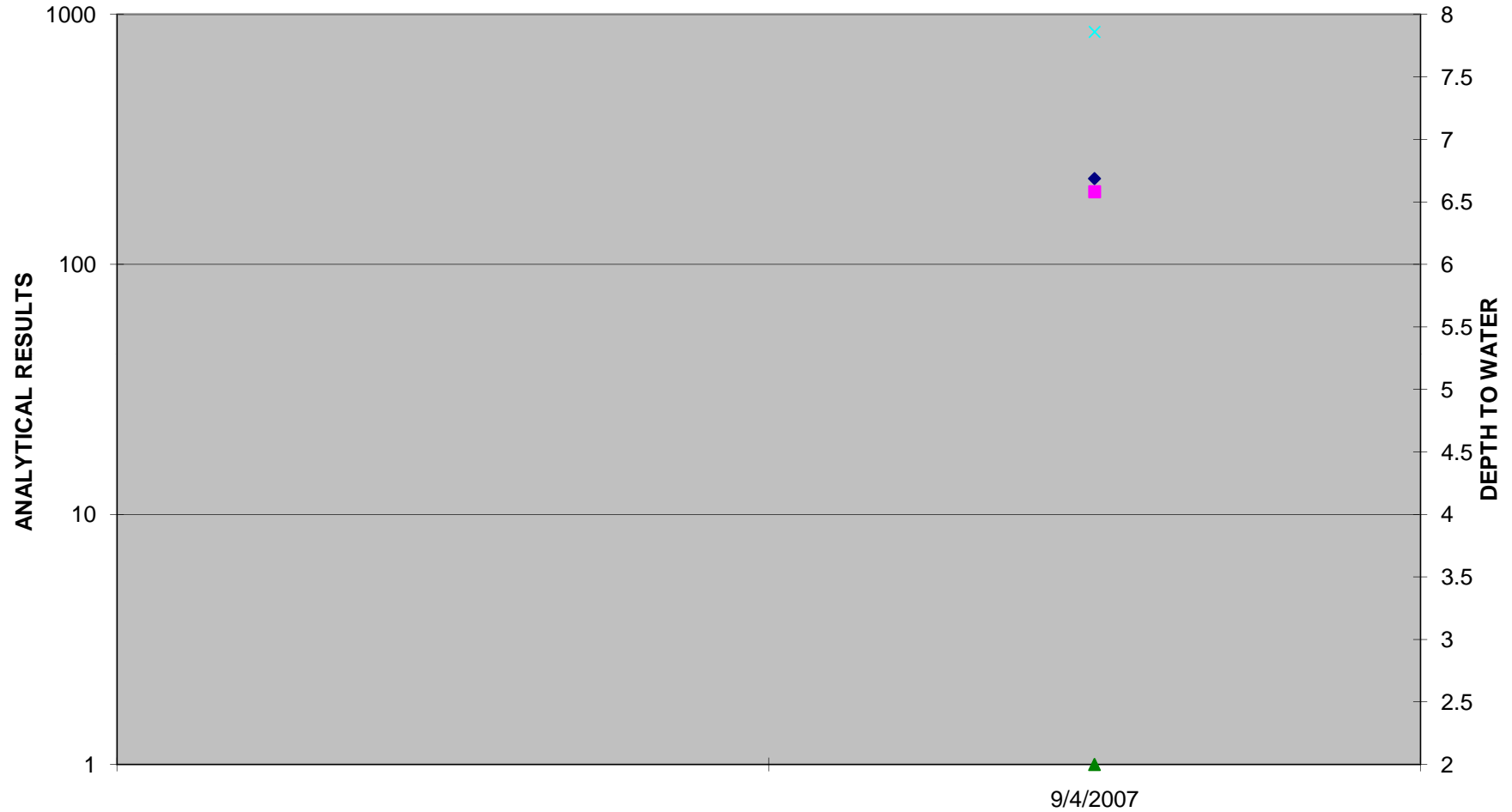
LOG OF BORING STMW-3

DEPTH (feet)	MATERIAL DESCRIPTION	USCS	SOIL GRAPHIC	WELL GRAPHIC	PID, ppm	WATER LEVEL	DEPTH (feet)	SAMPLES			INDEX PROPERTIES		
								NUMBER TYPE	POCKET PEN. 1st foot	BLOWS/foot	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	UNCONFINED COMPRESSIVE STRENGTH (psf)
0	Black sandy Silt (landscaping material), soft, moist.	ML					0						
	Black sandy Clay, moist, stiff.	CL											
	Black sandy silty Clay, moist, very stiff.	CL-ML											
5	Brown sandy Clay, moist, very dense.	CL					5	3-6					
	Olive-brown gravelly sandy Clay, moist, stiff.	CL											
10	Brown/gray sandy Clay to clayey Sand, moist, stiff, dense.	SC					10	3-10					
	Light brown clayey Sand with some gravel, moist, stiff, dense.	SC					15	3-15					
15	Light brown to light gray gravelly Sand with some clay.	SP-SC											
20	Boring terminated.						20	3-20					
25							25						
30							30						
35							35						

**A P P E N D I X "E"**

**HYDROGRAPHS**

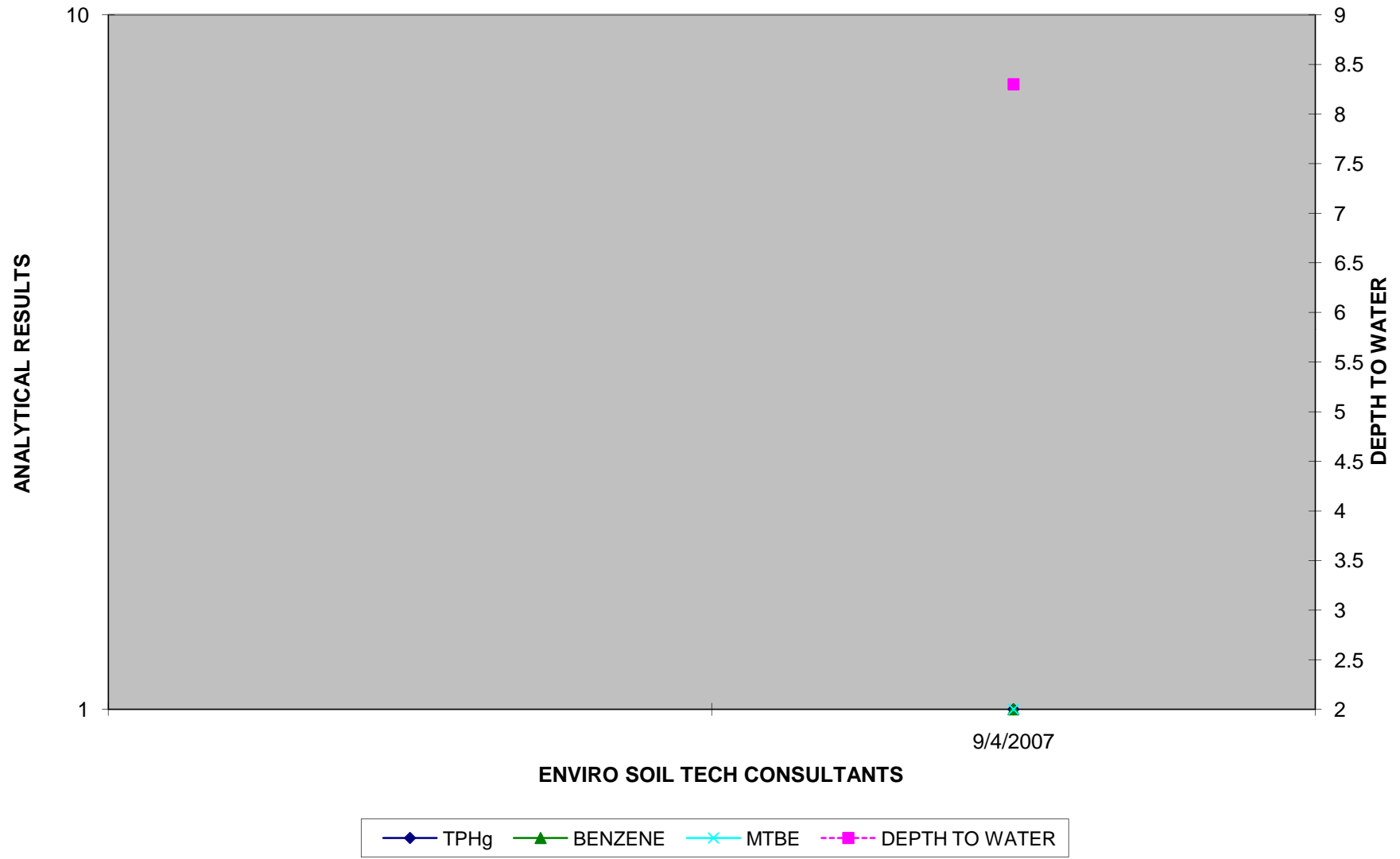
File No.: 10-93-567-ST  
TPHg, BENZENE & MTBE RESULTS FOR STMW-1 (µg/L)  
AND DEPTH TO WATER MEASUREMENT (feet)



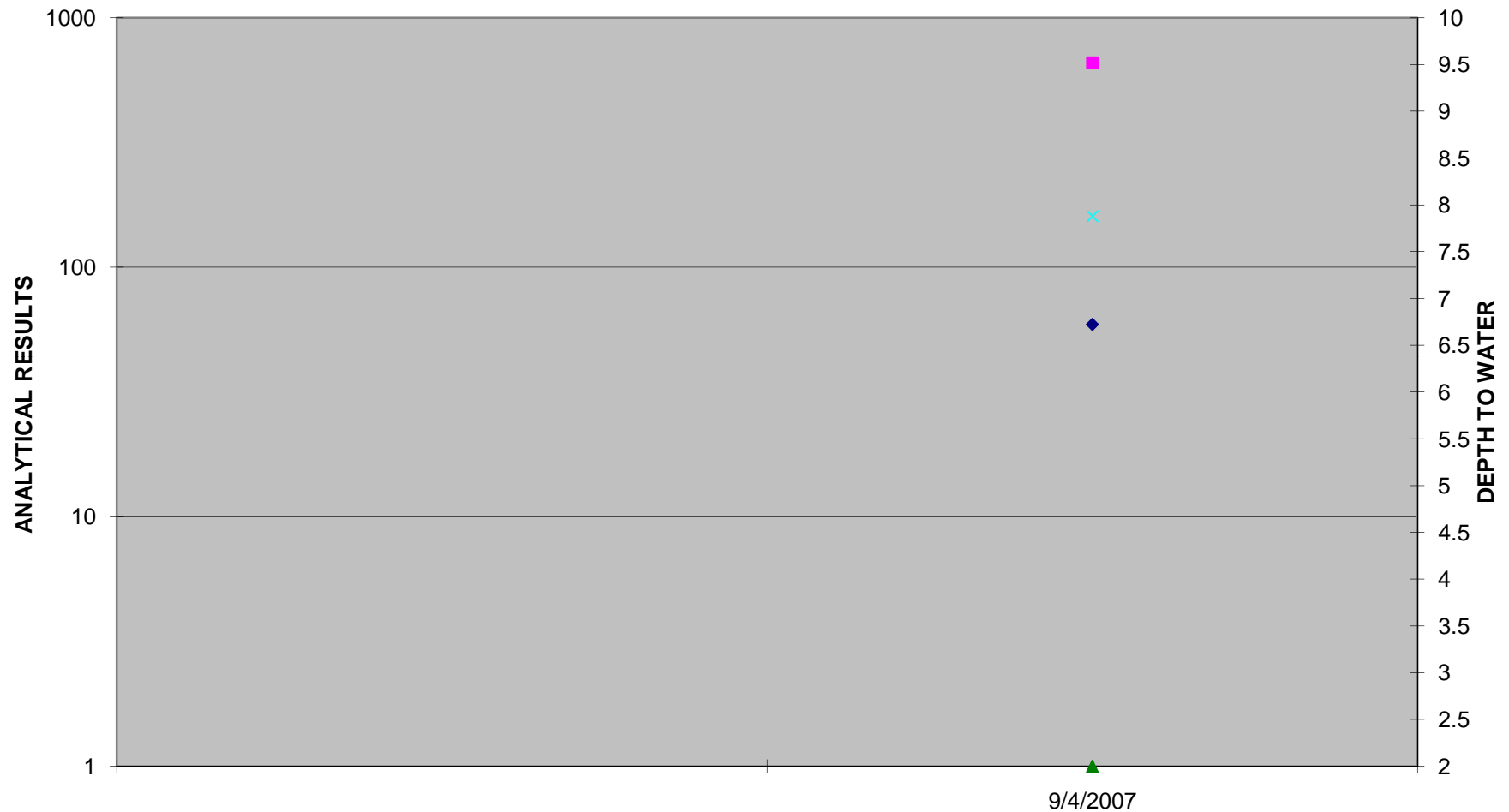
ENVIRO SOIL TECH CONSULTANTS



File No.: 10-93-567-ST  
TPHg, BENZENE & MTBE RESULTS FOR STMW-2 ( $\mu\text{g/L}$ )  
AND DEPTH TO WATER MEASUREMENT (feet)



File No.: 10-93-567-ST  
TPHg, BENZENE & MTBE RESULTS FOR STMW-3 ( $\mu\text{g/L}$ )  
AND DEPTH TO WATER MEASUREMENT (feet)



ENVIRO SOIL TECH CONSULTANTS





**A P P E N D I X "F"**

**LABORATORY REPORTS**

**ENVIRO SOIL TECH CONSULTANTS**

# Entech Analytical Labs, Inc.

---

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Frank Hamedi

Enviro Soil Tech Consultants

131 Tully Road

San Jose, CA 95111

Lab Certificate Number: 56862

Issued: 09/06/2007

Project Number: 10-93-567-ST

Global ID: T06019716197

Project Name: 909 Bluebell Drive

Project Location: Livermore

## Certificate of Analysis - Final Report

On August 23, 2007, samples were received under chain of custody for analysis.

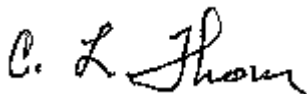
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	Alcohols: EPA 5030B/ EPA 8015B Electronic Deliverables for Geotracker TPH-Purgeable - GC : EPA 5030B / EPA 8015B VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).

If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-001      Sample ID: GP-1-20W

Matrix: Liquid      Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	1.0	mg/L	N/A	N/A	8/28/2007	WGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	91.1		65	- 135				Reviewed by: TFulton	

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-001 Sample ID: GP-1-20W

Matrix: Liquid Sample Date: 8/22/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,1-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,2-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,3-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,3-Trichloropropane	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,4-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,4-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dibromo-3-Chloropropane	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dibromoethane (EDB)	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3,5-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,4-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,4-Dioxane	ND		2.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Butanone (MEK)	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Chloroethyl-vinyl Ether	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Hexanone	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
4-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
4-Methyl-2-Pentanone(MIBK)	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acetone	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acetonitrile	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acrolein	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acrylonitrile	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Benzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Benzyl Chloride	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromodichloromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromoform	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromomethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Carbon Disulfide	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Carbon Tetrachloride	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloroform	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 1:05:05 PM - ELing

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-001 Sample ID: GP-1-20W

Matrix: Liquid Sample Date: 8/22/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
cis-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Cyclohexanone	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dibromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dibromomethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dichlorodifluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Diisopropyl Ether	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Ethyl Benzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Freon 113	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Hexachlorobutadiene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Iodomethane	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Isopropanol	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Isopropylbenzene	ND		2.0	2.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Methyl-t-butyl Ether	61		2.0	2.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Methylene Chloride	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
n-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
n-Propylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Naphthalene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
p-Isopropyltoluene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Pentachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
sec-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Styrene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Amyl Methyl Ether	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butanol (TBA)	110		2.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butyl Ethyl Ether	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Tetrachloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Tetrahydrofuran	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Toluene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,4-Dichloro-2-butene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Trichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Trichlorofluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Vinyl Acetate	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Vinyl Chloride	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Xylenes, Total	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Ethanol	ND		2.0	400	µg/L	N/A	N/A	8/31/2007	WM7I070831I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	106	60 - 130

Analyzed by: Bela  
Reviewed by: xbian

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-001      Sample ID: GP-1-20W

Matrix: Liquid      Sample Date: 8/22/2007

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	8/29/2007	WGC070829
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	91.4		65	- 135				Reviewed by: MaiChiTu	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-002    Sample ID: GP-2-20W

Matrix: Liquid    Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	1.7		1.0	1.0	mg/L	N/A	N/A	8/28/2007	WGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	94.2		65 - 135					Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-002 Sample ID: GP-2-20W

Matrix: Liquid Sample Date: 8/22/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,1-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,2-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,3-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,3-Trichloropropane	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,4-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,4-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dibromo-3-Chloropropane	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dibromoethane (EDB)	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3,5-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,4-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,4-Dioxane	ND		2.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Butanone (MEK)	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Chloroethyl-vinyl Ether	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Hexanone	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
4-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
4-Methyl-2-Pentanone(MIBK)	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acetone	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acetonitrile	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acrolein	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acrylonitrile	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Benzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Benzyl Chloride	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromodichloromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromoform	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromomethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Carbon Disulfide	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Carbon Tetrachloride	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloroform	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 1:05:05 PM - E.Ling



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-002 Sample ID: GP-2-20W

Matrix: Liquid Sample Date: 8/22/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
cis-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Cyclohexanone	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dibromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dibromomethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dichlorodifluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Diisopropyl Ether	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Ethyl Benzene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Freon 113	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Hexachlorobutadiene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Iodomethane	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Isopropanol	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Isopropylbenzene	ND		2.0	2.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Methyl-t-butyl Ether	81		2.0	2.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Methylene Chloride	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
n-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
n-Propylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Naphthalene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
p-Isopropyltoluene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Pentachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
sec-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Styrene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Amyl Methyl Ether	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butanol (TBA)	540		2.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butyl Ethyl Ether	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Tetrachloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Tetrahydrofuran	ND		2.0	40	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Toluene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,4-Dichloro-2-butene	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Trichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Trichlorofluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Vinyl Acetate	ND		2.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Vinyl Chloride	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Xylenes, Total	ND		2.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Ethanol	ND		2.0	400	µg/L	N/A	N/A	8/31/2007	WM7I070831I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	105	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	106	60 - 130

Analyzed by: Bela  
Reviewed by: xbian

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San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-002      Sample ID: GP-2-20W

Matrix: Liquid      Sample Date: 8/22/2007

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	8/29/2007	WGC070829
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	93.4		65	- 135				Reviewed by: MaiChiTu	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-003      Sample ID: GP-3-20W

Matrix: Liquid      Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	1.0	mg/L	N/A	N/A	8/28/2007	WGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	92.4		65	- 135				Reviewed by: TFulton	

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Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-003 Sample ID: GP-3-20W

Matrix: Liquid Sample Date: 8/22/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,1-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1,2-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,1-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,3-Trichlorobenzene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,3-Trichloropropane	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,4-Trichlorobenzene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2,4-Trimethylbenzene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dibromo-3-Chloropropane	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dibromoethane (EDB)	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,2-Dichloropropane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3,5-Trimethylbenzene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,3-Dichloropropane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,4-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
1,4-Dioxane	ND		5.0	250	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2,2-Dichloropropane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Butanone (MEK)	ND		5.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Chloroethyl-vinyl Ether	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Chlorotoluene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
2-Hexanone	ND		5.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
4-Chlorotoluene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
4-Methyl-2-Pentanone(MIBK)	ND		5.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acetone	ND		5.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acetonitrile	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acrolein	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Acrylonitrile	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Benzene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Benzyl Chloride	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromobenzene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromochloromethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromodichloromethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromoform	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Bromomethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Carbon Disulfide	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Carbon Tetrachloride	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloroethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloroform	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Chloromethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 1:05:06 PM - ELing

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-003 Sample ID: GP-3-20W

Matrix: Liquid Sample Date: 8/22/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
cis-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Cyclohexanone	ND		5.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dibromochloromethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dibromomethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Dichlorodifluoromethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Diisopropyl Ether	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Ethyl Benzene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Freon 113	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Hexachlorobutadiene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Iodomethane	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Isopropanol	ND		5.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Isopropylbenzene	ND		5.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Methyl-t-butyl Ether	370		5.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Methylene Chloride	ND		5.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
n-Butylbenzene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
n-Propylbenzene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Naphthalene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
p-Isopropyltoluene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Pentachloroethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
sec-Butylbenzene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Styrene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Amyl Methyl Ether	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butanol (TBA)	230		5.0	50	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butyl Ethyl Ether	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
tert-Butylbenzene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Tetrachloroethene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Tetrahydrofuran	ND		5.0	100	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Toluene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,2-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
trans-1,4-Dichloro-2-butene	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Trichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Trichlorofluoromethane	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Vinyl Acetate	ND		5.0	25	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Vinyl Chloride	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Xylenes, Total	ND		5.0	2.5	µg/L	N/A	N/A	8/31/2007	WM7I070831I
Ethanol	ND		5.0	1000	µg/L	N/A	N/A	8/31/2007	WM7I070831I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	105	60 - 130
Dibromofluoromethane	99.3	60 - 130
Toluene-d8	107	60 - 130

Analyzed by: Bela  
Reviewed by: xbian

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Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-003      Sample ID: GP-3-20W

Matrix: Liquid      Sample Date: 8/22/2007

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	220		1.0	50	µg/L	N/A	N/A	8/29/2007	WGC070829
Not a gasoline pattern (value due to MTBE in sample).									

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94.7	65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-004      Sample ID: GP-4-20W

Matrix: Liquid      Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	1.0	mg/L	N/A	N/A	8/28/2007	WGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	94.6		65	- 135				Reviewed by: TFulton	

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-004 Sample ID: GP-4-20W

Matrix: Liquid Sample Date: 8/22/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070830I
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070830I
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Acetone	ND		1.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 1:05:06 PM - ELing



# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-004 Sample ID: GP-4-20W

Matrix: Liquid Sample Date: 8/22/2007

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070830I
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	8/31/2007	WM7I070830I
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	8/31/2007	WM7I070830I
Ethanol	ND		1.0	200	µg/L	N/A	N/A	8/31/2007	WM7I070830I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	107	60 - 130

Analyzed by: Bela

Reviewed by: TFulton

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56862-004      Sample ID: GP-4-20W

Matrix: Liquid      Sample Date: 8/22/2007

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	8/29/2007	WGC070829
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	93.8		65	- 135				Reviewed by: MaiChiTu	

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: WGC5070828

Validated by: TFulton - 08/29/07

QC Batch Analysis Date: 8/28/2007

Parameter	Result	DF	PQLR	Units
Methanol	ND	1	1.0	mg/L
Surrogate for Blank	% Recovery	Control Limits		
1-Butanol	95.2	65 - 135		

LCS / LCSD - Liquid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: WGC5070828

Reviewed by: TFulton - 08/29/07

QC Batch ID Analysis Date: 8/28/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methanol	<1.0	50	50.1	mg/L	100	65 - 135
Surrogate	% Recovery	Control Limits				
1-Butanol	90.6	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	<1.0	50	56.0	mg/L	112	11.1	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
1-Butanol	93.2	65 - 135						

MS / MSD - Liquid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: WGC5070828

Reviewed by: TFulton - 08/29/07

QC Batch ID Analysis Date: 8/28/2007

MS Sample Spiked: 56862-004

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Methanol	ND	50	50.0	mg/L	8/28/2007	100	65 - 135
Surrogate	% Recovery	Control Limits					
1-Butanol	93.0	65 - 135					

MSD Sample Spiked: 56862-004

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	ND	50	53.1	mg/L	8/28/2007	106	6.01	25.0	65 - 135
Surrogate	% Recovery	Control Limits							
1-Butanol	91.6	65 - 135							

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC070829

Validated by: MaiChiTu - 08/30/07

QC Batch Analysis Date: 8/29/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	92.4	65 - 135		

LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC070829

Reviewed by: MaiChiTu - 08/30/07

QC Batch ID Analysis Date: 8/29/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	125	106	µg/L	84.8	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	124	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	125	110	µg/L	88.0	3.70	25.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	131	65 - 135						

# Entech Analytical Labs, Inc.

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Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070830I

Validated by: TFulton - 08/31/07

QC Batch Analysis Date: 8/30/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,1-Dichloropropene	ND	1	0.50	µg/L
1,2,3-Trichlorobenzene	ND	1	5.0	µg/L
1,2,3-Trichloropropane	ND	1	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1	5.0	µg/L
1,2,4-Trimethylbenzene	ND	1	5.0	µg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,2-Dichloropropane	ND	1	0.50	µg/L
1,3,5-Trimethylbenzene	ND	1	5.0	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,3-Dichloropropane	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dioxane	ND	1	50	µg/L
2,2-Dichloropropane	ND	1	0.50	µg/L
2-Butanone (MEK)	ND	1	20	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/L
2-Chlorotoluene	ND	1	5.0	µg/L
2-Hexanone	ND	1	20	µg/L
4-Chlorotoluene	ND	1	5.0	µg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L
Acetone	ND	1	20	µg/L
Acetonitrile	ND	1	5.0	µg/L
Acrolein	ND	1	5.0	µg/L
Acrylonitrile	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Benzyl Chloride	ND	1	5.0	µg/L
Bromobenzene	ND	1	0.50	µg/L
Bromochloromethane	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Disulfide	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
cis-1,2-Dichloroethene	ND	1	0.50	µg/L
cis-1,3-Dichloropropene	ND	1	0.50	µg/L
Cyclohexanone	ND	1	20	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Dibromomethane	ND	1	0.50	µg/L

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Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070830I

Validated by: TFulton - 08/31/07

QC Batch Analysis Date: 8/30/2007

Parameter	Result	DF	PQLR	Units
Dichlorodifluoromethane	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	200	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Freon 113	ND	1	5.0	µg/L
Hexachlorobutadiene	ND	1	5.0	µg/L
Iodomethane	ND	1	5.0	µg/L
Isopropanol	ND	1	20	µg/L
Isopropylbenzene	ND	1	1.0	µg/L
Methylene Chloride	ND	1	20	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Naphthalene	ND	1	5.0	µg/L
n-Butylbenzene	ND	1	5.0	µg/L
n-Propylbenzene	ND	1	5.0	µg/L
Pentachloroethane	ND	1	0.50	µg/L
p-Isopropyltoluene	ND	1	5.0	µg/L
sec-Butylbenzene	ND	1	5.0	µg/L
Styrene	ND	1	0.50	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
tert-Butylbenzene	ND	1	5.0	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Tetrahydrofuran	ND	1	20	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
trans-1,3-Dichloropropene	ND	1	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	1	5.0	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Acetate	ND	1	5.0	µg/L
Vinyl Chloride	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	<b>105</b>	60 - 130		
Dibromofluoromethane	<b>100</b>	60 - 130		
Toluene-d8	<b>109</b>	60 - 130		

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070830I

Reviewed by: TFulton - 08/31/07

QC Batch ID Analysis Date: 8/30/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	21.7	µg/L	108	70 - 130
Benzene	<0.50	20	20.1	µg/L	101	70 - 130
Chlorobenzene	<0.50	20	17.2	µg/L	86.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.0	µg/L	105	70 - 130
Toluene	<0.50	20	19.2	µg/L	96.0	70 - 130
Trichloroethene	<0.50	20	18.3	µg/L	91.5	70 - 130

### Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	105	60 - 130
Toluene-d8	105	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	24.6	µg/L	123	12.6	25.0	70 - 130
Benzene	<0.50	20	22.8	µg/L	114	12.2	25.0	70 - 130
Chlorobenzene	<0.50	20	19.6	µg/L	98.0	13.0	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	22.9	µg/L	114	8.33	25.0	70 - 130
Toluene	<0.50	20	21.9	µg/L	110	13.3	25.0	70 - 130
Trichloroethene	<0.50	20	21.2	µg/L	106	14.9	25.0	70 - 130

### Surrogate

	% Recovery	Control Limits
--	------------	----------------

4-Bromofluorobenzene	105	60 - 130
Dibromofluoromethane	105	60 - 130
Toluene-d8	106	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070831I

Validated by: xbian - 09/04/07

QC Batch Analysis Date: 8/31/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,1-Dichloropropene	ND	1	0.50	µg/L
1,2,3-Trichlorobenzene	ND	1	5.0	µg/L
1,2,3-Trichloropropane	ND	1	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1	5.0	µg/L
1,2,4-Trimethylbenzene	ND	1	5.0	µg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,2-Dichloropropane	ND	1	0.50	µg/L
1,3,5-Trimethylbenzene	ND	1	5.0	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,3-Dichloropropane	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dioxane	ND	1	50	µg/L
2,2-Dichloropropane	ND	1	0.50	µg/L
2-Butanone (MEK)	ND	1	20	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/L
2-Chlorotoluene	ND	1	5.0	µg/L
2-Hexanone	ND	1	20	µg/L
4-Chlorotoluene	ND	1	5.0	µg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L
Acetone	ND	1	20	µg/L
Acetonitrile	ND	1	5.0	µg/L
Acrolein	ND	1	5.0	µg/L
Acrylonitrile	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Benzyl Chloride	ND	1	5.0	µg/L
Bromobenzene	ND	1	0.50	µg/L
Bromochloromethane	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Disulfide	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
cis-1,2-Dichloroethene	ND	1	0.50	µg/L
cis-1,3-Dichloropropene	ND	1	0.50	µg/L
Cyclohexanone	ND	1	20	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Dibromomethane	ND	1	0.50	µg/L



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Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070831I

Validated by: xbian - 09/04/07

QC Batch Analysis Date: 8/31/2007

Parameter	Result	DF	PQLR	Units
Dichlorodifluoromethane	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	200	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Freon 113	ND	1	5.0	µg/L
Hexachlorobutadiene	ND	1	5.0	µg/L
Iodomethane	ND	1	5.0	µg/L
Isopropanol	ND	1	20	µg/L
Isopropylbenzene	ND	1	1.0	µg/L
Methylene Chloride	ND	1	20	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Naphthalene	ND	1	5.0	µg/L
n-Butylbenzene	ND	1	5.0	µg/L
n-Propylbenzene	ND	1	5.0	µg/L
Pentachloroethane	ND	1	0.50	µg/L
p-Isopropyltoluene	ND	1	5.0	µg/L
sec-Butylbenzene	ND	1	5.0	µg/L
Styrene	ND	1	0.50	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
tert-Butylbenzene	ND	1	5.0	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Tetrahydrofuran	ND	1	20	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
trans-1,3-Dichloropropene	ND	1	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	1	5.0	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Acetate	ND	1	5.0	µg/L
Vinyl Chloride	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	106	60 - 130
Dibromofluoromethane	101	60 - 130
Toluene-d8	108	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070831I

Reviewed by: xbian - 09/04/07

QC Batch ID Analysis Date: 8/31/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	22.2	µg/L	111	70 - 130
Benzene	<0.50	20	20.3	µg/L	101	70 - 130
Chlorobenzene	<0.50	20	17.3	µg/L	86.7	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.7	µg/L	98.7	70 - 130
Toluene	<0.50	20	19.3	µg/L	96.4	70 - 130
Trichloroethene	<0.50	20	18.3	µg/L	91.6	70 - 130

### Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	103	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	106	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	20.5	µg/L	103	7.65	25.0	70 - 130
Benzene	<0.50	20	19.0	µg/L	94.8	6.63	25.0	70 - 130
Chlorobenzene	<0.50	20	16.2	µg/L	81.1	6.72	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.2	µg/L	91.0	8.06	25.0	70 - 130
Toluene	<0.50	20	18.3	µg/L	91.3	5.46	25.0	70 - 130
Trichloroethene	<0.50	20	17.4	µg/L	87.2	4.95	25.0	70 - 130

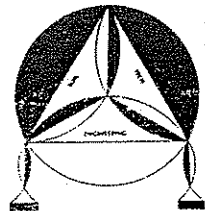
### Surrogate

	% Recovery	Control Limits
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4-Bromofluorobenzene	103	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	107	60 - 130

**CHAIN OF CUSTODY RECORD**

PROJ. NO. 10-93567-ST		NAME 909 Bluebell Drive, Livermore				CONTAINER	ANALYSES REQUESTED TPH by 8015M EPA 8260 by EPA 8260 by Method			REMARKS
SAMPLERS: (Signature) <i>Frank Hamed</i> 56862										
NO.	DATE	TIME	SOIL	WATER	LOCATION					
1	8/22/07			✓	GP-1-20W 001	6	✓	✓	✓	EDF# T06019716197
2	↓			✓	GP-2-20W 002	6	✓	✓	✓	
3	↓			✓	GP-3-20W 003	6	✓	✓	✓	*Full lists
4	↓			✓	GP-4-20W 004	6	✓	✓	✓	*All vials are HCL preserved*
										Note: Please label all the field points according to the Chain.
										6 vials each (w/HCL)
Relinquished by: (Signature) <i>Frank Hamed</i>		Date / Time 8/23/07 15:00		Received by: (Signature) <i>Timothy</i>		Relinquished by: (Signature)		Date / Time		Receive by: (Signature)
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks Please send lab report to Frank Hamed		



**ENVIRO SOIL TECH CONSULTANTS**

Environmental & Geotechnical Consultants  
 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111  
 Tel: (408) 297-1500 Fax: (408) 292-2116

# Entech Analytical Labs, Inc.

---

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Frank Hamedi

Enviro Soil Tech Consultants

131 Tully Road

San Jose, CA 95111

Lab Certificate Number: 56864

Issued: 09/06/2007

Project Number: 10-93-567-ST

Global ID: T06019716197

Project Name: 909 Bluebell Drive

Project Location: Livermore

## Certificate of Analysis - Final Report

On August 23, 2007, samples were received under chain of custody for analysis.

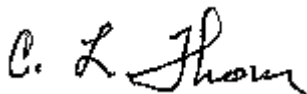
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Solid	Alcohols: EPA 5030B/ EPA 8015B Electronic Deliverables for Geotracker TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).

If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-001      Sample ID: GP-1-5

Matrix: Solid      Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	94.0		65	- 135				Reviewed by: TFulton	

# Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-001 Sample ID: GP-1-5

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		2.5	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		2.5	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		2.5	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		2.5	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	420		2.5	250	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		2.5	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:37 PM - ELing

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-001 Sample ID: GP-1-5

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		2.5	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		2.5	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		2.5	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		2.5	250	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		2.5	120	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	1300		2.5	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		2.5	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		2.5	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		2.5	12	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		2.5	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		2.5	1200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94.0	60 - 130
Dibromofluoromethane	106	60 - 130
Toluene-d8	99.6	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab #: 56864-001      Sample ID: GP-1-5      Matrix: Solid      Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	93.1		65 - 135					Reviewed by: MaiChiTu	



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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-002

Sample ID: GP-1-10

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	92.7		65	- 135				Reviewed by: TFulton	

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Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-002 Sample ID: GP-1-10

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:37 PM - ELing

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Enviro Soil Tech Consultants  
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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-002 Sample ID: GP-1-10

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.3	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	100	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-002

Sample ID: GP-1-10

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	91.3		65 - 135					Reviewed by: MaiChiTu	

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-003

Sample ID: GP-1-15

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	93.3		65	- 135				Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-003

Sample ID: GP-1-15

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-003

Sample ID: GP-1-15

Matrix: Solid

Sample Date: 8/22/2007

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.8	60 - 130
Dibromofluoromethane	98.8	60 - 130
Toluene-d8	103	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-003

Sample ID: GP-1-15

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	94.3		65 - 135					Reviewed by: MaiChiTu	



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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-004

Sample ID: GP-1-20

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	91.1		65	- 135				Reviewed by: TFulton	

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Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-004 Sample ID: GP-1-20

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acetone	110		1.0	100	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Carbon Disulfide	5.2		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-004 Sample ID: GP-1-20

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butanol (TBA)	720		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.5	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	101	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-004

Sample ID: GP-1-20

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	87.3		65 - 135					Reviewed by: MaiChiTu	

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-005

Sample ID: GP-2-5

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	92.8		65	- 135				Reviewed by: TFulton	

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Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-005

Sample ID: GP-2-5

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:38 PM - ELing

# Entech Analytical Labs, Inc.

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-005

Sample ID: GP-2-5

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/2/2007	SM3E070902E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.9	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	104	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-005

Sample ID: GP-2-5

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	89.6		65	- 135				Reviewed by: MaiChiTu	



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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-006

Sample ID: GP-2-10

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	5.2		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	94.1		65 - 135					Reviewed by: TFulton	

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Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-006

Sample ID: GP-2-10

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		5.0	1000	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		5.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		5.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		5.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		5.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		5.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:39 PM - ELing

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-006 Sample ID: GP-2-10

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		5.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		5.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		5.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		5.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	39		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		5.0	250	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	3700		5.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		5.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		5.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		5.0	25	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		5.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		5.0	2500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.2	60 - 130
Dibromofluoromethane	101	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-006

Sample ID: GP-2-10

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	88.3		65 - 135					Reviewed by: MaiChiTu	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-007

Sample ID: GP-2-15

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	94.8		65	- 135				Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-007

Sample ID: GP-2-15

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:39 PM - ELing

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-007

Sample ID: GP-2-15

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.7	60 - 130
Dibromofluoromethane	107	60 - 130
Toluene-d8	98.7	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-007

Sample ID: GP-2-15

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831

### Surrogate

### Surrogate Recovery

### Control Limits (%)

4-Bromofluorobenzene

95.4

65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu



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## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-008

Sample ID: GP-2-20

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	93.1		65	- 135				Reviewed by: TFulton	

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-008

Sample ID: GP-2-20

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-008

Sample ID: GP-2-20

Matrix: Solid

Sample Date: 8/22/2007

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.8	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	100	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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GlobalID: T06019716197

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Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-008

Sample ID: GP-2-20

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/30/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	92.0		65	- 135				Reviewed by: MaiChiTu	

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Project Name: 909 Bluebell Drive  
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GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-009

Sample ID: GP-3-5

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	98.8		65	- 135				Reviewed by: TFulton	

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Sample Collected by: Client

Lab # : 56864-009

Sample ID: GP-3-5

Matrix: Solid

Sample Date: 8/22/2007

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

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Sample ID: GP-3-5

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94.5	60 - 130
Dibromofluoromethane	115	60 - 130
Toluene-d8	98.8	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

# Entech Analytical Labs, Inc.

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Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-009

Sample ID: GP-3-5

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/30/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	94.3		65 - 135					Reviewed by: MaiChiTu	



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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-010

Sample ID: GP-3-10

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/30/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
1-Butanol	95.6		65	- 135				Reviewed by: TFulton	

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Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-010 Sample ID: GP-3-10

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:40 PM - ELing

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
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San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-010 Sample ID: GP-3-10

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Methyl-t-butyl Ether	12		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.5	60 - 130
Dibromofluoromethane	115	60 - 130
Toluene-d8	93.9	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab #: 56864-010

Sample ID: GP-3-10

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/30/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	91.7		65 - 135					Reviewed by: MaiChiTu	

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-011

Sample ID: GP-3-15

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	97.8		65	- 135				Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-011

Sample ID: GP-3-15

Matrix: Solid

Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:40 PM - ELing

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-011 Sample ID: GP-3-15

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	490		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.7	60 - 130
Dibromofluoromethane	114	60 - 130
Toluene-d8	97.7	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-011

Sample ID: GP-3-15

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	92.2		65	- 135				Reviewed by: MaiChiTu	



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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-012

Sample ID: GP-3-20

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	97.7		65	- 135				Reviewed by: TFulton	

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-012 Sample ID: GP-3-20

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:41 PM - ELing

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-012 Sample ID: GP-3-20

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	34		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.7	60 - 130
Dibromofluoromethane	110	60 - 130
Toluene-d8	98.2	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

# Entech Analytical Labs, Inc.

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Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-012

Sample ID: GP-3-20

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	91.4		65 - 135					Reviewed by: MaiChiTu	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-013

Sample ID: GP-4-5

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	98.4		65	- 135				Reviewed by: TFulton	

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Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-013 Sample ID: GP-4-5

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-013

Sample ID: GP-4-5

Matrix: Solid

Sample Date: 8/22/2007

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.8	60 - 130
Dibromofluoromethane	113	60 - 130
Toluene-d8	99.1	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-013

Sample ID: GP-4-5

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	93.0		65	- 135				Reviewed by: MaiChiTu	



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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-014

Sample ID: GP-4-10

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	95.6		65	- 135				Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-014 Sample ID: GP-4-10

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:41 PM - ELing

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-014 Sample ID: GP-4-10

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.2	60 - 130
Dibromofluoromethane	112	60 - 130
Toluene-d8	99.9	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-014

Sample ID: GP-4-10

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	89.8		65 - 135					Reviewed by: MaiChiTu	

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-015

Sample ID: GP-4-15

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	93.6		65	- 135				Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-015 Sample ID: GP-4-15

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:42 PM - ELing

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-015 Sample ID: GP-4-15

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94.4	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	99.4	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-015

Sample ID: GP-4-15

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070830
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	89.0		65 - 135					Reviewed by: MaiChiTu	



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San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-016

Sample ID: GP-4-20

Matrix: Solid

Sample Date: 8/22/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5070828
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	97.9		65	- 135				Reviewed by: TFulton	

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San Jose, CA 95111  
Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-016 Sample ID: GP-4-20

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/6/2007 12:12:42 PM - ELing

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-016 Sample ID: GP-4-20

Matrix: Solid Sample Date: 8/22/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.9	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	98.9	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/23/2007  
Sample Collected by: Client

Lab # : 56864-016

Sample ID: GP-4-20

Matrix: Solid

Sample Date: 8/22/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	94.9		65 - 135					Reviewed by: MaiChiTu	

# Entech Analytical Labs, Inc.

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Method Blank - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070830

Validated by: MaiChiTu - 08/31/07

QC Batch Analysis Date: 8/30/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	0.50	mg/Kg
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	93.8	65 - 135		

LCS / LCSD - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070830

Reviewed by: MaiChiTu - 08/31/07

QC Batch ID Analysis Date: 8/30/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.84	mg/Kg	114	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	123	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.77	mg/Kg	111	2.50	30.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	130	65 - 135						

# Entech Analytical Labs, Inc.

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Method Blank - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070831

Validated by: MaiChiTu - 09/04/07

QC Batch Analysis Date: 8/31/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	0.50	mg/Kg
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	96.1	65 - 135		

LCS / LCSD - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070831

Reviewed by: MaiChiTu - 09/04/07

QC Batch ID Analysis Date: 8/31/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.81	mg/Kg	112	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	106	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.61	mg/Kg	104	7.38	30.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	118	65 - 135						

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5070828

Validated by: TFulton - 08/29/07

QC Batch Analysis Date: 8/28/2007

Parameter	Result	DF	PQLR	Units
Methanol	ND	1	5.0	mg/Kg
Surrogate for Blank	% Recovery	Control Limits		
1-Butanol	94.4	65 - 135		

LCS / LCSD - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5070828

Reviewed by: TFulton - 08/29/07

QC Batch ID Analysis Date: 8/28/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methanol	<5.0	50	57.7	mg/Kg	115	65 - 135
Surrogate	% Recovery	Control Limits				
1-Butanol	77.4	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	<5.0	50	59.3	mg/Kg	119	2.74		0.0 - 0.00 ***
Surrogate	% Recovery	Control Limits						
1-Butanol	78.1	65 - 135						

MS / MSD - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5070828

Reviewed by: TFulton - 08/29/07

QC Batch ID Analysis Date: 8/28/2007

MS Sample Spiked: 56864-007

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Methanol	ND	50	55.1	mg/Kg	8/28/2007	110	65 - 135
Surrogate	% Recovery	Control Limits					
1-Butanol	94.2	65 - 135					

# Entech Analytical Labs, Inc.

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Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070902E

Validated by: TFulton - 09/04/07

QC Batch Analysis Date: 9/2/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070902E

Validated by: TFulton - 09/04/07

QC Batch Analysis Date: 9/2/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	94.3	60 - 130
Dibromofluoromethane	111	60 - 130
Toluene-d8	99.7	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070902E

Reviewed by: TFulton - 09/04/07

QC Batch ID Analysis Date: 9/2/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	37.1	µg/Kg	92.8	65 - 135
Benzene	<5.0	40	37.1	µg/Kg	92.8	65 - 135
Chlorobenzene	<5.0	40	38.2	µg/Kg	95.5	65 - 135
Methyl-t-butyl Ether	<5.0	40	44.6	µg/Kg	112	65 - 135
Toluene	<5.0	40	36.2	µg/Kg	90.5	65 - 135
Trichloroethene	<5.0	40	35.6	µg/Kg	89.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>98.7</b>	60 - 130
Dibromofluoromethane	<b>112</b>	60 - 130
Toluene-d8	<b>101</b>	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	37.3	µg/Kg	93.2	0.538	30.0	65 - 135
Benzene	<5.0	40	36.1	µg/Kg	90.2	2.73	30.0	65 - 135
Chlorobenzene	<5.0	40	35.7	µg/Kg	89.2	6.77	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	45.6	µg/Kg	114	2.22	30.0	65 - 135
Toluene	<5.0	40	34.0	µg/Kg	85.0	6.27	30.0	65 - 135
Trichloroethene	<5.0	40	34.0	µg/Kg	85.0	4.60	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>98.9</b>	60 - 130
Dibromofluoromethane	<b>111</b>	60 - 130
Toluene-d8	<b>101</b>	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070903E

Validated by: TFulton - 09/04/07

QC Batch Analysis Date: 9/3/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070903E

Validated by: TFulton - 09/04/07

QC Batch Analysis Date: 9/3/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	96.1	60 - 130
Dibromofluoromethane	107	60 - 130
Toluene-d8	98.9	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070903E

Reviewed by: TFulton - 09/04/07

QC Batch ID Analysis Date: 9/3/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	39.5	µg/Kg	98.8	65 - 135
Benzene	<5.0	40	40.0	µg/Kg	100	65 - 135
Chlorobenzene	<5.0	40	39.4	µg/Kg	98.5	65 - 135
Methyl-t-butyl Ether	<5.0	40	40.5	µg/Kg	101	65 - 135
Toluene	<5.0	40	37.8	µg/Kg	94.5	65 - 135
Trichloroethene	<5.0	40	36.2	µg/Kg	90.5	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	103	60 - 130
Dibromofluoromethane	107	60 - 130
Toluene-d8	98.2	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	37.6	µg/Kg	94.0	4.93	30.0	65 - 135
Benzene	<5.0	40	37.8	µg/Kg	94.5	5.66	30.0	65 - 135
Chlorobenzene	<5.0	40	35.9	µg/Kg	89.8	9.30	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	40.3	µg/Kg	101	0.495	30.0	65 - 135
Toluene	<5.0	40	34.0	µg/Kg	85.0	10.6	30.0	65 - 135
Trichloroethene	<5.0	40	35.4	µg/Kg	88.5	2.23	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99.7	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	94.7	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070904E

Validated by: TFulton - 09/05/07

QC Batch Analysis Date: 9/4/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070904E

Validated by: TFulton - 09/05/07

QC Batch Analysis Date: 9/4/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	97.4	60 - 130
Dibromofluoromethane	112	60 - 130
Toluene-d8	97.4	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070904E

Reviewed by: TFulton - 09/05/07

QC Batch ID Analysis Date: 9/4/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	41.1	µg/Kg	103	65 - 135
Benzene	<5.0	40	40.4	µg/Kg	101	65 - 135
Chlorobenzene	<5.0	40	39.8	µg/Kg	99.5	65 - 135
Methyl-t-butyl Ether	<5.0	40	43.8	µg/Kg	110	65 - 135
Toluene	<5.0	40	37.2	µg/Kg	93.0	65 - 135
Trichloroethene	<5.0	40	39.0	µg/Kg	97.5	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	111	60 - 130
Toluene-d8	96.2	60 - 130

## LCSD

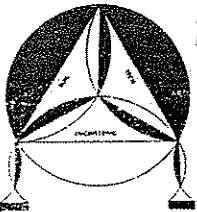
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	37.5	µg/Kg	93.8	9.16	30.0	65 - 135
Benzene	<5.0	40	42.2	µg/Kg	106	4.36	30.0	65 - 135
Chlorobenzene	<5.0	40	41.3	µg/Kg	103	3.70	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	45.9	µg/Kg	115	4.68	30.0	65 - 135
Toluene	<5.0	40	40.6	µg/Kg	102	8.74	30.0	65 - 135
Trichloroethene	<5.0	40	39.3	µg/Kg	98.2	0.766	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	101	60 - 130



CHAIN OF CUSTODY RECORD

PROJ. NO.		NAME		CONTAINER		ANALYSES REQUESTED		REMARKS			
10-935675		909 Bluebell Dr., Livermore				EPA by 8015MAD EPA 8260GP Standard Methods					
SAMPLERS: (Signature)				LOCATION							
NO.	DATE	TIME	SOIL	WATER							
1	8/27		✓		GP-1-5	001	1	✓ ✓ ✓	EDF #T06019716197		
2			✓		GP-1-10	002	1	✓ ✓ ✓			
3			✓		GP-1-15	003	1	✓ ✓ ✓	* Full lists		
4			✓		GP-1-20	004	1	✓ ✓ ✓			
5			✓		GP-2-5	005	1	✓ ✓ ✓	* Please return all soil samples to our office when work is completed*		
6			✓		GP-2-10	006	1	✓ ✓ ✓			
7			✓		GP-2-15	007	1	✓ ✓ ✓			
8			✓		GP-2-20	008	1	✓ ✓ ✓			
9			✓		GP-3-5	009	1	✓ ✓ ✓	Note: Please label all the field points according to the Chain		
10			✓		GP-3-10	010	1	✓ ✓ ✓			
11			✓		GP-3-15	011	1	✓ ✓ ✓			
12			✓		GP-3-20	012	1	✓ ✓ ✓			
13			✓		GP-4-5	013	1	✓ ✓ ✓			
14			✓		GP-4-10	014	1	✓ ✓ ✓			
15	✓		✓		GP-4-15	015	1	✓ ✓ ✓	Field 16 Acetates		
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
[Signature]		8-23-07 12:00		[Signature]							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks			
								Please send lab report to Frank Hamed			

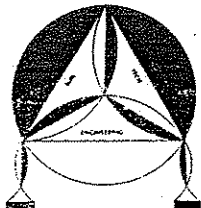


ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants  
 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111  
 Tel: (408) 297-1500 Fax: (408) 292-2116

CHAIN OF CUSTODY RECORD

PROJ. NO. 10-93567-ST		NAME 909 Bluebell Dr., Livermore				CONTAINER	ANALYSES REQUESTED IP Hg by 8015100 EPA 8260A SHAHBAK Method	REMARKS
SAMPLERS: (Signature) <i>Frank Hamedi</i> 56864								
NO.	DATE	TIME	SOIL	WATER	LOCATION			
16	3/22/07		✓		GP-4-20 016	1	✓	EDF # T06019716197
								* Full lists
								* Please return all soil samples to our office when work is completed*
								Note: Please label all the field points according to the Chain
Relinquished by: (Signature) <i>Frank Hamedi</i>		Date / Time 3-23-07 12:00	Received by: (Signature) <i>Tim Vello</i>		Relinquished by: (Signature)		Date / Time	Received by: (Signature)
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Relinquished by: (Signature)		Date / Time	Received by: (Signature)
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)		Date / Time	Remarks Please send lab report to Frank Hamedi		



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# Entech Analytical Labs, Inc.

---

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Frank Hamedi

Enviro Soil Tech Consultants

131 Tully Road

San Jose, CA 95111

Lab Certificate Number: 56883

Issued: 09/07/2007

Project Number: 10-93-567-ST

Global ID: T06019716197

Project Name: 909 Bluebell Drive

Project Location: Livermore

## Certificate of Analysis - Final Report

On August 24, 2007, samples were received under chain of custody for analysis.

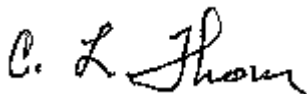
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Solid	Alcohols: EPA 5030B/ EPA 8015B Electronic Deliverables for Geotracker TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).

If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-001    Sample ID: STMW-1-5

Matrix: Solid    Sample Date: 8/23/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5B070828B
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	96.7		65	- 135				Reviewed by: TFulton	

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-001

Sample ID: STMW-1-5

Matrix: Solid

Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/7/2007 3:52:07 PM - ELing

# Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-001

Sample ID: STMW-1-5

Matrix: Solid

Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/3/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.8	60 - 130
Dibromofluoromethane	112	60 - 130
Toluene-d8	99.0	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab #: 56883-001      Sample ID: STMW-1-5      Matrix: Solid      Sample Date: 8/23/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	93.2		65	- 135				Reviewed by: MaiChiTu	

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-002      Sample ID: STMW-1-10

Matrix: Solid      Sample Date: 8/23/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5B070828B
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	93.9		65	- 135				Reviewed by: TFulton	



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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-002 Sample ID: STMW-1-10

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/7/2007 3:52:07 PM - ELing

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-002 Sample ID: STMW-1-10

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
tert-Butanol (TBA)	760		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	90.9	60 - 130
Dibromofluoromethane	114	60 - 130
Toluene-d8	95.1	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-002

Sample ID: STMW-1-10

Matrix: Solid

Sample Date: 8/23/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831

### Surrogate

### Surrogate Recovery

### Control Limits (%)

4-Bromofluorobenzene

92.7

65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab #: 56883-003    Sample ID: STMW-1-15

Matrix: Solid    Sample Date: 8/23/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5B070828B
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	93.4		65	- 135				Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-003 Sample ID: STMW-1-15

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/7/2007 3:52:08 PM - ELing

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-003 Sample ID: STMW-1-15

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Methyl-t-butyl Ether	66		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
tert-Butanol (TBA)	900		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/4/2007	SM3E070903E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.0	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	99.6	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab #: 56883-003    Sample ID: STMW-1-15    Matrix: Solid    Sample Date: 8/23/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.1	65 - 135

Analyzed by: JAbidog  
Reviewed by: MaiChiTu

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-004    Sample ID: STMW-1-20

Matrix: Solid    Sample Date: 8/23/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5B070828B
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	93.7		65	- 135				Reviewed by: TFulton	



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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-004 Sample ID: STMW-1-20

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/7/2007 3:52:08 PM - ELing

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-004

Sample ID: STMW-1-20

Matrix: Solid

Sample Date: 8/23/2007

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
tert-Butanol (TBA)	570		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	90.8	60 - 130
Dibromofluoromethane	97.6	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-004

Sample ID: STMW-1-20

Matrix: Solid

Sample Date: 8/23/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831

### Surrogate

### Surrogate Recovery

### Control Limits (%)

4-Bromofluorobenzene

93.7

65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-005      Sample ID: STMW-2-5      Matrix: Solid      Sample Date: 8/23/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	8.9		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5B070828B
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	90.7		65	- 135				Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-005 Sample ID: STMW-2-5

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,1,1-Trichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,1,2,2-Tetrachloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,1,2-Trichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,1-Dichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,1-Dichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,1-Dichloropropene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2,3-Trichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2,3-Trichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2,4-Trichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2,4-Trimethylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2-Dibromo-3-Chloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2-Dibromoethane (EDB)	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2-Dichloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,2-Dichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,3,5-Trimethylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,3-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,3-Dichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,4-Dichlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
1,4-Dioxane	ND		5.0	1000	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
2,2-Dichloropropane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
2-Butanone (MEK)	ND		5.0	200	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
2-Chloroethyl-vinyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
2-Chlorotoluene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
2-Hexanone	ND		5.0	200	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
4-Chlorotoluene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
4-Methyl-2-Pentanone(MIBK)	ND		5.0	200	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Acetone	950		5.0	500	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Acetonitrile	ND		5.0	200	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Acrolein	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Acrylonitrile	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Benzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Benzyl Chloride	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Bromobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Bromochloromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Bromodichloromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Bromoform	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Bromomethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Carbon Disulfide	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Carbon Tetrachloride	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Chlorobenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Chloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Chloroform	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Chloromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/7/2007 3:52:08 PM - ELing

# Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-005

Sample ID: STMW-2-5

Matrix: Solid

Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
cis-1,3-Dichloropropene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Cyclohexanone	ND		5.0	200	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Dibromochloromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Dibromomethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Dichlorodifluoromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Diisopropyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Ethyl Benzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Freon 113	ND		5.0	50	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Hexachlorobutadiene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Iodomethane	ND		5.0	50	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Isopropanol	ND		5.0	500	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Isopropylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Methyl-t-butyl Ether	460		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Methylene Chloride	ND		5.0	250	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
n-Butylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
n-Propylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Naphthalene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
p-Isopropyltoluene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Pentachloroethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
sec-Butylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Styrene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
tert-Amyl Methyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
tert-Butanol (TBA)	3700		5.0	200	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
tert-Butyl Ethyl Ether	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
tert-Butylbenzene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Tetrachloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Tetrahydrofuran	ND		5.0	200	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Toluene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
trans-1,2-Dichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
trans-1,3-Dichloropropene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
trans-1,4-Dichloro-2-butene	ND		5.0	50	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Trichloroethene	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Trichlorofluoromethane	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Vinyl Acetate	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Vinyl Chloride	ND		5.0	25	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Xylenes, Total	ND		5.0	50	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E
Ethanol	ND		5.0	2500	µg/Kg	N/A	N/A	9/6/2007	SM3E070906E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.8	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	98.7	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Enviro Soil Tech Consultants  
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San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-005

Sample ID: STMW-2-5

Matrix: Solid

Sample Date: 8/23/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831

### Surrogate

### Surrogate Recovery

### Control Limits (%)

4-Bromofluorobenzene

93.1

65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-006    Sample ID: STMW-2-10

Matrix: Solid    Sample Date: 8/23/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5B070828B
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	92.4		65	- 135				Reviewed by: TFulton	



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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-006 Sample ID: STMW-2-10

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/7/2007 3:52:09 PM - ELing

# Entech Analytical Labs, Inc.

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131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-006 Sample ID: STMW-2-10

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
tert-Butanol (TBA)	270		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/4/2007	SM3E070904E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	94.2	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	100	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-006

Sample ID: STMW-2-10

Matrix: Solid

Sample Date: 8/23/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831

### Surrogate

4-Bromofluorobenzene

### Surrogate Recovery

92.8

### Control Limits (%)

65 - 135

Analyzed by: JAbidog

Reviewed by: MaiChiTu

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-007      Sample ID: STMW-2-15

Matrix: Solid      Sample Date: 8/23/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5B070828B
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	92.0		65	- 135				Reviewed by: TFulton	

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-007

Sample ID: STMW-2-15

Matrix: Solid

Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Project Location: Livermore  
GlobalID: T06019716197

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Sample Collected by: Client

Lab # : 56883-007

Sample ID: STMW-2-15

Matrix: Solid

Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/5/2007	SM3E070905E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.0	60 - 130
Dibromofluoromethane	107	60 - 130
Toluene-d8	94.9	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007

Sample Collected by: Client

Lab # : 56883-007

Sample ID: STMW-2-15

Matrix: Solid

Sample Date: 8/23/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	94.6		65 - 135					Reviewed by: MaiChiTu	

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GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-008

Sample ID: STMW-2-20

Matrix: Solid

Sample Date: 8/23/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	8/28/2007	SGC5B070828B
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	93.3		65	- 135				Reviewed by: TFulton	



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Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-008 Sample ID: STMW-2-20

Matrix: Solid Sample Date: 8/23/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-008

Sample ID: STMW-2-20

Matrix: Solid

Sample Date: 8/23/2007

VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/5/2007	SM3F070905F

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.0	60 - 130
Dibromofluoromethane	97.4	60 - 130
Toluene-d8	104	60 - 130

Analyzed by: MaiChiTu

Reviewed by: TFulton

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/7/2007 3:52:09 PM - ELing

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/24/2007  
Sample Collected by: Client

Lab # : 56883-008

Sample ID: STMW-2-20

Matrix: Solid

Sample Date: 8/23/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	8/31/2007	SGC070831
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	93.1		65	- 135				Reviewed by: MaiChiTu	

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070831

Validated by: MaiChiTu - 09/04/07

QC Batch Analysis Date: 8/31/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	0.50	mg/Kg
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	96.1	65 - 135		

LCS / LCSD - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070831

Reviewed by: MaiChiTu - 09/04/07

QC Batch ID Analysis Date: 8/31/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.81	mg/Kg	112	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	106	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.61	mg/Kg	104	7.38	30.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	118	65 - 135						

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070903E

Validated by: TFulton - 09/04/07

QC Batch Analysis Date: 9/3/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070903E

Validated by: TFulton - 09/04/07

QC Batch Analysis Date: 9/3/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	96.1	60 - 130
Dibromofluoromethane	107	60 - 130
Toluene-d8	98.9	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070903E

Reviewed by: TFulton - 09/04/07

QC Batch ID Analysis Date: 9/3/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	39.5	µg/Kg	98.8	65 - 135
Benzene	<5.0	40	40.0	µg/Kg	100	65 - 135
Chlorobenzene	<5.0	40	39.4	µg/Kg	98.5	65 - 135
Methyl-t-butyl Ether	<5.0	40	40.5	µg/Kg	101	65 - 135
Toluene	<5.0	40	37.8	µg/Kg	94.5	65 - 135
Trichloroethene	<5.0	40	36.2	µg/Kg	90.5	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	103	60 - 130
Dibromofluoromethane	107	60 - 130
Toluene-d8	98.2	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	37.6	µg/Kg	94.0	4.93	30.0	65 - 135
Benzene	<5.0	40	37.8	µg/Kg	94.5	5.66	30.0	65 - 135
Chlorobenzene	<5.0	40	35.9	µg/Kg	89.8	9.30	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	40.3	µg/Kg	101	0.495	30.0	65 - 135
Toluene	<5.0	40	34.0	µg/Kg	85.0	10.6	30.0	65 - 135
Trichloroethene	<5.0	40	35.4	µg/Kg	88.5	2.23	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99.7	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	94.7	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070904E

Validated by: TFulton - 09/05/07

QC Batch Analysis Date: 9/4/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070904E

Validated by: TFulton - 09/05/07

QC Batch Analysis Date: 9/4/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	97.4	60 - 130
Dibromofluoromethane	112	60 - 130
Toluene-d8	97.4	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070904E

Reviewed by: TFulton - 09/05/07

QC Batch ID Analysis Date: 9/4/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	41.1	µg/Kg	103	65 - 135
Benzene	<5.0	40	40.4	µg/Kg	101	65 - 135
Chlorobenzene	<5.0	40	39.8	µg/Kg	99.5	65 - 135
Methyl-t-butyl Ether	<5.0	40	43.8	µg/Kg	110	65 - 135
Toluene	<5.0	40	37.2	µg/Kg	93.0	65 - 135
Trichloroethene	<5.0	40	39.0	µg/Kg	97.5	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	111	60 - 130
Toluene-d8	96.2	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	37.5	µg/Kg	93.8	9.16	30.0	65 - 135
Benzene	<5.0	40	42.2	µg/Kg	106	4.36	30.0	65 - 135
Chlorobenzene	<5.0	40	41.3	µg/Kg	103	3.70	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	45.9	µg/Kg	115	4.68	30.0	65 - 135
Toluene	<5.0	40	40.6	µg/Kg	102	8.74	30.0	65 - 135
Trichloroethene	<5.0	40	39.3	µg/Kg	98.2	0.766	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	101	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070905E

Validated by: TFulton - 09/05/07

QC Batch Analysis Date: 9/5/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070905E

Validated by: TFulton - 09/05/07

QC Batch Analysis Date: 9/5/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	95.2	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	98.8	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070905E

Reviewed by: TFulton - 09/05/07

QC Batch ID Analysis Date: 9/5/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	44.4	µg/Kg	111	65 - 135
Benzene	<5.0	40	43.4	µg/Kg	108	65 - 135
Chlorobenzene	<5.0	40	43.1	µg/Kg	108	65 - 135
Methyl-t-butyl Ether	<5.0	40	45.1	µg/Kg	113	65 - 135
Toluene	<5.0	40	42.0	µg/Kg	105	65 - 135
Trichloroethene	<5.0	40	42.4	µg/Kg	106	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	97.3	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	98.5	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	36.9	µg/Kg	92.2	18.5	30.0	65 - 135
Benzene	<5.0	40	41.1	µg/Kg	103	5.44	30.0	65 - 135
Chlorobenzene	<5.0	40	39.6	µg/Kg	99.0	8.46	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	38.6	µg/Kg	96.5	15.5	30.0	65 - 135
Toluene	<5.0	40	40.2	µg/Kg	100	4.38	30.0	65 - 135
Trichloroethene	<5.0	40	40.3	µg/Kg	101	5.08	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	93.3	60 - 130
Dibromofluoromethane	95.4	60 - 130
Toluene-d8	102	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070906E

Validated by: TFulton - 09/07/07

QC Batch Analysis Date: 9/6/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070906E

Validated by: TFulton - 09/07/07

QC Batch Analysis Date: 9/6/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	95.6	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	101	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070906E

Reviewed by: TFulton - 09/07/07

QC Batch ID Analysis Date: 9/6/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	42.8	µg/Kg	107	65 - 135
Benzene	<5.0	40	45.0	µg/Kg	112	65 - 135
Chlorobenzene	<5.0	40	43.1	µg/Kg	108	65 - 135
Methyl-t-butyl Ether	<5.0	40	48.8	µg/Kg	122	65 - 135
Toluene	<5.0	40	42.4	µg/Kg	106	65 - 135
Trichloroethene	<5.0	40	44.0	µg/Kg	110	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>96.1</b>	60 - 130
Dibromofluoromethane	<b>103</b>	60 - 130
Toluene-d8	<b>95.8</b>	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	33.2	µg/Kg	83.0	25.3	30.0	65 - 135
Benzene	<5.0	40	38.4	µg/Kg	96.0	15.8	30.0	65 - 135
Chlorobenzene	<5.0	40	37.3	µg/Kg	93.2	14.4	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	40.8	µg/Kg	102	17.9	30.0	65 - 135
Toluene	<5.0	40	36.5	µg/Kg	91.2	15.0	30.0	65 - 135
Trichloroethene	<5.0	40	37.1	µg/Kg	92.8	17.0	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>93.8</b>	60 - 130
Dibromofluoromethane	<b>96.9</b>	60 - 130
Toluene-d8	<b>99.5</b>	60 - 130



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3F070905F

Validated by: TFulton - 09/06/07

QC Batch Analysis Date: 9/5/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3F070905F

Validated by: TFulton - 09/06/07

QC Batch Analysis Date: 9/5/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	90.3	60 - 130
Dibromofluoromethane	93.5	60 - 130
Toluene-d8	104	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3F070905F

Reviewed by: TFulton - 09/06/07

QC Batch ID Analysis Date: 9/5/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	34.5	µg/Kg	86.2	65 - 135
Benzene	<5.0	40	39.0	µg/Kg	97.5	65 - 135
Chlorobenzene	<5.0	40	40.0	µg/Kg	100	65 - 135
Methyl-t-butyl Ether	<5.0	40	41.3	µg/Kg	103	65 - 135
Toluene	<5.0	40	39.8	µg/Kg	99.5	65 - 135
Trichloroethene	<5.0	40	37.6	µg/Kg	94.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>98.2</b>	60 - 130
Dibromofluoromethane	<b>89.4</b>	60 - 130
Toluene-d8	<b>105</b>	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	36.2	µg/Kg	90.5	4.81	30.0	65 - 135
Benzene	<5.0	40	40.9	µg/Kg	102	4.76	30.0	65 - 135
Chlorobenzene	<5.0	40	40.6	µg/Kg	102	1.49	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	45.0	µg/Kg	112	8.57	30.0	65 - 135
Toluene	<5.0	40	40.3	µg/Kg	101	1.25	30.0	65 - 135
Trichloroethene	<5.0	40	39.8	µg/Kg	99.5	5.68	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>96.8</b>	60 - 130
Dibromofluoromethane	<b>102</b>	60 - 130
Toluene-d8	<b>93.4</b>	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5B070828B

Validated by: TFulton - 08/29/07

QC Batch Analysis Date: 8/28/2007

Parameter	Result	DF	PQLR	Units
Methanol	ND	1	5.0	mg/Kg
Surrogate for Blank	% Recovery	Control Limits		
1-Butanol	96.1	65 - 135		

LCS / LCSD - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5B070828B

Reviewed by: TFulton - 08/29/07

QC Batch ID Analysis Date: 8/28/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methanol	<5.0	50	53.4	mg/Kg	107	65 - 135
Surrogate	% Recovery	Control Limits				
1-Butanol	95.6	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	<5.0	50	53.2	mg/Kg	106	0.38	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
1-Butanol	96.6	65 - 135						

MS / MSD - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5B070828B

Reviewed by: TFulton - 08/29/07

QC Batch ID Analysis Date: 8/28/2007

MS Sample Spiked: 56883-004

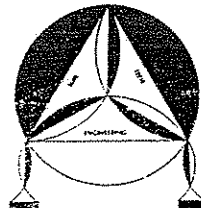
Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Methanol	ND	50	57.5	mg/Kg	8/28/2007	115	65 - 135
Surrogate	% Recovery	Control Limits					
1-Butanol	91.6	65 - 135					

MSD Sample Spiked: 56883-004

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	ND	50	54.8	mg/Kg	8/28/2007	110	4.8	25.0	65 - 135
Surrogate	% Recovery	Control Limits							
1-Butanol	88.0	65 - 135							

CHAIN OF CUSTODY RECORD

PROJ. NO. 10-93-567-ST		NAME 909 Bluebell Dr., Livermore		CONTAINER		ANALYSES REQUESTED IPHA by POLSON EPA 8160 EPA 8160 EPA 8160		REMARKS			
SAMPLERS: (Signature) <i>[Signature]</i> 56883											
NO.	DATE	TIME	SOIL	WATER	LOCATION						
1	8/23/07		✓		STMW-1-5 001	1	✓	✓	EDF # T06019716197		
2			✓		STMW-1-10 002	1	✓	✓			
3			✓		STMW-1-15 003	1	✓	✓	* Full lists		
4			✓		STMW-1-20 004	1	✓	✓			
5			✓		STMW-2-5 005	1	✓	✓	* Please return all soil		
6			✓		STMW-2-10 006	1	✓	✓	samples to our office		
7			✓		STMW-2-15 007	1	✓	✓	when work is completed		
8			✓		STMW-2-20 008	1	✓	✓			
						Note: Please label all the field points according to the Chain					
						8 Acetate Liners					
						Rec'd @ Temp: 4.2°C.					
Relinquished by: (Signature) <i>[Signature]</i>		Date / Time 8-24-07 14:37		Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks Please send lab report to Frank Hamodi			



ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants  
 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111  
 Tel: (408) 297-1500 Fax: (408) 292-2116

# Entech Analytical Labs, Inc.

---

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Frank Hamedi

Enviro Soil Tech Consultants

131 Tully Road

San Jose, CA 95111

Lab Certificate Number: 56923

Issued: 09/12/2007

Project Number: 10-93-567-ST

Global ID: T06019716197

Project Name: 909 Bluebell Drive

Project Location: Livermore

## Certificate of Analysis - Final Report

On August 29, 2007, samples were received under chain of custody for analysis.

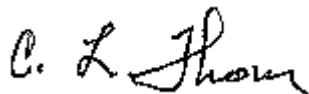
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Solid	Alcohols: EPA 5030B/ EPA 8015B Electronic Deliverables for Geotracker TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).

If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-001

Sample ID: STMW-3-5

Matrix: Solid

Sample Date: 8/28/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	9/4/2007	SGC5070904
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	90.9		65	- 135				Reviewed by: TFulton	

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-001

Sample ID: STMW-3-5

Matrix: Solid

Sample Date: 8/28/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/12/2007 12:07:00 PM - ELing



# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-001      Sample ID: STMW-3-5      Matrix: Solid      Sample Date: 8/28/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.5	60 - 130
Dibromofluoromethane	113	60 - 130
Toluene-d8	96.8	60 - 130

Analyzed by: EricKum

Reviewed by: MaiChiTu

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab #: 56923-001      Sample ID: STMW-3-5      Matrix: Solid      Sample Date: 8/28/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	9/5/2007	SGC070905
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	95.0		65 - 135					Reviewed by: MaiChiTu	

# Entech Analytical Labs, Inc.

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San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-002      Sample ID: STMW-3-10

Matrix: Solid      Sample Date: 8/28/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	9/4/2007	SGC5070904
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	86.7		65	- 135				Reviewed by: TFulton	

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San Jose, CA 95111  
Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-002 Sample ID: STMW-3-10

Matrix: Solid Sample Date: 8/28/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/12/2007 12:07:01 PM - ELing

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-002 Sample ID: STMW-3-10

Matrix: Solid Sample Date: 8/28/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.2	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	100	60 - 130

Analyzed by: EricKum

Reviewed by: MaiChiTu

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-002      Sample ID: STMW-3-10      Matrix: Solid      Sample Date: 8/28/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	9/5/2007	SGC070905
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	99.6		65 - 135					Reviewed by: MaiChiTu	

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-003    Sample ID: STMW-3-15

Matrix: Solid    Sample Date: 8/28/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	9/4/2007	SGC5070904
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	88.0		65	- 135				Reviewed by: TFulton	

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-003 Sample ID: STMW-3-15

Matrix: Solid Sample Date: 8/28/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-003 Sample ID: STMW-3-15

Matrix: Solid Sample Date: 8/28/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/11/2007	SM3E070910E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.4	60 - 130
Dibromofluoromethane	109	60 - 130
Toluene-d8	99.0	60 - 130

Analyzed by: EricKum

Reviewed by: MaiChiTu

# Entech Analytical Labs, Inc.

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Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-003

Sample ID: STMW-3-15

Matrix: Solid

Sample Date: 8/28/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	9/5/2007	SGC070905
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	97.7		65	- 135				Reviewed by: MaiChiTu	

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-004    Sample ID: STMW-3-20

Matrix: Solid    Sample Date: 8/28/2007

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	5.0	mg/Kg	N/A	N/A	9/4/2007	SGC5070904
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: MaiChiTu	
1-Butanol	88.0		65	- 135				Reviewed by: TFulton	

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Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-004 Sample ID: STMW-3-20

Matrix: Solid Sample Date: 8/28/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,1,1-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,1,2,2-Tetrachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,1,2-Trichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,1-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,1-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,1-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2,3-Trichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,3-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,3-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,4-Dichlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
1,4-Dioxane	ND		1.0	200	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
2,2-Dichloropropane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
2-Butanone (MEK)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
2-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
2-Hexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
4-Chlorotoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
4-Methyl-2-Pentanone(MIBK)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Acetone	ND		1.0	100	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Acetonitrile	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Acrolein	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Acrylonitrile	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Benzyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Bromobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Bromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Bromodichloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Bromoform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Bromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Carbon Disulfide	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Carbon Tetrachloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Chlorobenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Chloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Chloroform	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Chloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/12/2007 12:07:01 PM - ELing

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-004 Sample ID: STMW-3-20

Matrix: Solid Sample Date: 8/28/2007

### VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
cis-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Cyclohexanone	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Dibromochloromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Dibromomethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Dichlorodifluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Freon 113	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Hexachlorobutadiene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Iodomethane	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Isopropanol	ND		1.0	100	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Isopropylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Methylene Chloride	ND		1.0	50	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
n-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
n-Propylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Naphthalene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
p-Isopropyltoluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Pentachloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
sec-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Styrene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
tert-Butylbenzene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Tetrachloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Tetrahydrofuran	ND		1.0	40	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
trans-1,2-Dichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
trans-1,3-Dichloropropene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
trans-1,4-Dichloro-2-butene	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Trichloroethene	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Trichlorofluoromethane	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Vinyl Acetate	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Vinyl Chloride	ND		1.0	5.0	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E
Ethanol	ND		1.0	500	µg/Kg	N/A	N/A	9/11/2007	SM3E070911E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.4	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: EricKum

Reviewed by: MaiChiTu

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 08/29/2007  
Sample Collected by: Client

Lab # : 56923-004

Sample ID: STMW-3-20

Matrix: Solid

Sample Date: 8/28/2007

TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	9/5/2007	SGC070904
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	90.0		65 - 135					Reviewed by: MaiChiTu	

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Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070910E

Validated by: MaiChiTu - 09/11/07

QC Batch Analysis Date: 9/10/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070910E

Validated by: MaiChiTu - 09/11/07

QC Batch Analysis Date: 9/10/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	94.4	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	100	60 - 130



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070910E

Reviewed by: MaiChiTu - 09/11/07

QC Batch ID Analysis Date: 9/10/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	34.6	µg/Kg	86.5	65 - 135
Benzene	<5.0	40	38.4	µg/Kg	96.0	65 - 135
Chlorobenzene	<5.0	40	37.2	µg/Kg	93.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	43.7	µg/Kg	109	65 - 135
Toluene	<5.0	40	35.6	µg/Kg	89.0	65 - 135
Trichloroethene	<5.0	40	36.5	µg/Kg	91.2	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>97.8</b>	60 - 130
Dibromofluoromethane	<b>105</b>	60 - 130
Toluene-d8	<b>96.4</b>	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	30.5	µg/Kg	76.2	12.6	30.0	65 - 135
Benzene	<5.0	40	34.9	µg/Kg	87.2	9.55	30.0	65 - 135
Chlorobenzene	<5.0	40	33.8	µg/Kg	84.5	9.58	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	41.2	µg/Kg	103	5.89	30.0	65 - 135
Toluene	<5.0	40	31.9	µg/Kg	79.8	11.0	30.0	65 - 135
Trichloroethene	<5.0	40	33.7	µg/Kg	84.2	7.98	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	<b>95.9</b>	60 - 130
Dibromofluoromethane	<b>103</b>	60 - 130
Toluene-d8	<b>95.1</b>	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070911E

Validated by: TFulton - 09/11/07

QC Batch Analysis Date: 9/11/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,1-Trichloroethane	ND	1	5.0	µg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	µg/Kg
1,1,2-Trichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethane	ND	1	5.0	µg/Kg
1,1-Dichloroethene	ND	1	5.0	µg/Kg
1,1-Dichloropropene	ND	1	5.0	µg/Kg
1,2,3-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,3-Trichloropropane	ND	1	5.0	µg/Kg
1,2,4-Trichlorobenzene	ND	1	5.0	µg/Kg
1,2,4-Trimethylbenzene	ND	1	5.0	µg/Kg
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/Kg
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichlorobenzene	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
1,2-Dichloropropane	ND	1	5.0	µg/Kg
1,3,5-Trimethylbenzene	ND	1	5.0	µg/Kg
1,3-Dichlorobenzene	ND	1	5.0	µg/Kg
1,3-Dichloropropane	ND	1	5.0	µg/Kg
1,4-Dichlorobenzene	ND	1	5.0	µg/Kg
1,4-Dioxane	ND	1	200	µg/Kg
2,2-Dichloropropane	ND	1	5.0	µg/Kg
2-Butanone (MEK)	ND	1	40	µg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/Kg
2-Chlorotoluene	ND	1	5.0	µg/Kg
2-Hexanone	ND	1	40	µg/Kg
4-Chlorotoluene	ND	1	5.0	µg/Kg
4-Methyl-2-Pentanone(MIBK)	ND	1	40	µg/Kg
Acetone	ND	1	100	µg/Kg
Acetonitrile	ND	1	40	µg/Kg
Acrolein	ND	1	5.0	µg/Kg
Acrylonitrile	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Benzyl Chloride	ND	1	5.0	µg/Kg
Bromobenzene	ND	1	5.0	µg/Kg
Bromochloromethane	ND	1	5.0	µg/Kg
Bromodichloromethane	ND	1	5.0	µg/Kg
Bromoform	ND	1	5.0	µg/Kg
Bromomethane	ND	1	5.0	µg/Kg
Carbon Disulfide	ND	1	5.0	µg/Kg
Carbon Tetrachloride	ND	1	5.0	µg/Kg
Chlorobenzene	ND	1	5.0	µg/Kg
Chloroethane	ND	1	5.0	µg/Kg
Chloroform	ND	1	5.0	µg/Kg
Chloromethane	ND	1	5.0	µg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	µg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	µg/Kg
Cyclohexanone	ND	1	40	µg/Kg
Dibromochloromethane	ND	1	5.0	µg/Kg
Dibromomethane	ND	1	5.0	µg/Kg
Dichlorodifluoromethane	ND	1	5.0	µg/Kg

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070911E

Validated by: TFulton - 09/11/07

QC Batch Analysis Date: 9/11/2007

Parameter	Result	DF	PQLR	Units
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethanol	ND	1	500	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Freon 113	ND	1	10	µg/Kg
Hexachlorobutadiene	ND	1	5.0	µg/Kg
Iodomethane	ND	1	10	µg/Kg
Isopropanol	ND	1	100	µg/Kg
Isopropylbenzene	ND	1	5.0	µg/Kg
Methylene Chloride	ND	1	50	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
Naphthalene	ND	1	5.0	µg/Kg
n-Butylbenzene	ND	1	5.0	µg/Kg
n-Propylbenzene	ND	1	5.0	µg/Kg
Pentachloroethane	ND	1	5.0	µg/Kg
p-Isopropyltoluene	ND	1	5.0	µg/Kg
sec-Butylbenzene	ND	1	5.0	µg/Kg
Styrene	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
tert-Butylbenzene	ND	1	5.0	µg/Kg
Tetrachloroethene	ND	1	5.0	µg/Kg
Tetrahydrofuran	ND	1	40	µg/Kg
Toluene	ND	1	5.0	µg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	µg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	µg/Kg
trans-1,4-Dichloro-2-butene	ND	1	10	µg/Kg
Trichloroethene	ND	1	5.0	µg/Kg
Trichlorofluoromethane	ND	1	5.0	µg/Kg
Vinyl Acetate	ND	1	5.0	µg/Kg
Vinyl Chloride	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	93.7	60 - 130
Dibromofluoromethane	107	60 - 130
Toluene-d8	101	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 5030B (or 5035A for Encore Samples only)/EPA 8260B

QC Batch ID: SM3E070911E

Reviewed by: TFulton - 09/11/07

QC Batch ID Analysis Date: 9/11/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	40.9	µg/Kg	102	65 - 135
Benzene	<5.0	40	44.4	µg/Kg	111	65 - 135
Chlorobenzene	<5.0	40	44.8	µg/Kg	112	65 - 135
Methyl-t-butyl Ether	<5.0	40	42.8	µg/Kg	107	65 - 135
Toluene	<5.0	40	43.9	µg/Kg	110	65 - 135
Trichloroethene	<5.0	40	44.2	µg/Kg	110	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	102	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	35.8	µg/Kg	89.5	13.3	30.0	65 - 135
Benzene	<5.0	40	38.4	µg/Kg	96.0	14.5	30.0	65 - 135
Chlorobenzene	<5.0	40	39.5	µg/Kg	98.8	12.6	30.0	65 - 135
Methyl-t-butyl Ether	<5.0	40	43.2	µg/Kg	108	0.930	30.0	65 - 135
Toluene	<5.0	40	38.4	µg/Kg	96.0	13.4	30.0	65 - 135
Trichloroethene	<5.0	40	37.6	µg/Kg	94.0	16.1	30.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	102	60 - 130

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070904

Validated by: MaiChiTu - 09/04/07

QC Batch Analysis Date: 9/4/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	0.50	mg/Kg
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	94.2	65 - 135		

LCS / LCSD - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070904

Reviewed by: MaiChiTu - 09/04/07

QC Batch ID Analysis Date: 9/4/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.82	mg/Kg	113	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	111	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.65	mg/Kg	106	6.22	30.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	129	65 - 135						

MS / MSD - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070904

Reviewed by: MaiChiTu - 09/05/07

QC Batch ID Analysis Date: 9/4/2007

MS Sample Spiked: 56923-004

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
TPH as Gasoline	ND	2.5	2.61	mg/Kg	9/4/2007	104	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>					
4-Bromofluorobenzene	116	65 - 135					

MSD Sample Spiked: 56923-004

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	ND	2.5	2.71	mg/Kg	9/4/2007	108	3.76	30.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>							
4-Bromofluorobenzene	126	65 - 135							

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070905

Validated by: MaiChiTu - 09/10/07

QC Batch Analysis Date: 9/5/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	0.50	mg/Kg
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	93.6	65 - 135		

LCS / LCSD - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070905

Reviewed by: MaiChiTu - 09/10/07

QC Batch ID Analysis Date: 9/5/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.83	mg/Kg	113	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	110	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<0.50	2.5	2.70	mg/Kg	108	4.70	30.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	112	65 - 135						

MS / MSD - Solid - TPH-Purgeable - GC: EPA 5030B (or 5035A for Encore Samples only) / EPA 8015B

QC Batch ID: SGC070905

Reviewed by: MaiChiTu - 09/10/07

QC Batch ID Analysis Date: 9/5/2007

**MS** Sample Spiked: 56923-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
TPH as Gasoline	ND	2.5	2.63	mg/Kg	9/5/2007	105	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>					
4-Bromofluorobenzene	110	65 - 135					

**MSD** Sample Spiked: 56923-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	ND	2.5	2.46	mg/Kg	9/5/2007	98.4	6.68	30.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>							
4-Bromofluorobenzene	126	65 - 135							

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5070904

Validated by: TFulton - 09/04/07

QC Batch Analysis Date: 9/4/2007

Parameter	Result	DF	PQLR	Units
Methanol	ND	1	5.0	mg/Kg
Surrogate for Blank	% Recovery	Control Limits		
1-Butanol	90.2	65 - 135		

LCS / LCSD - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5070904

Reviewed by: TFulton - 09/04/07

QC Batch ID Analysis Date: 9/4/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methanol	<5.0	50	48.8	mg/Kg	97.6	65 - 135
Surrogate	% Recovery	Control Limits				
1-Butanol	92.0	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	<5.0	50	49.4	mg/Kg	98.8	1.22	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
1-Butanol	90.5	65 - 135						

MS / MSD - Solid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: SGC5070904

Reviewed by: TFulton - 09/04/07

QC Batch ID Analysis Date: 9/4/2007

MS Sample Spiked: 56923-004

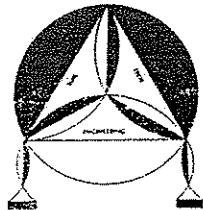
Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Methanol	ND	50	50.4	mg/Kg	9/4/2007	101	65 - 135
Surrogate	% Recovery	Control Limits					
1-Butanol	87.6	65 - 135					

MSD Sample Spiked: 56923-004

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	ND	50	51.6	mg/Kg	9/4/2007	103	2.35	25.0	65 - 135
Surrogate	% Recovery	Control Limits							
1-Butanol	88.4	65 - 135							

CHAIN OF CUSTODY RECORD

PROJ. NO. 10-93-567-ST		NAME 909 Bluebell Drive, Livermore				ANALYSES REQUESTED IP Hg by 80151M04 EPA 8160AS* FRANKLE Method					
SAMPLERS: (Signature) <i>Frank Hamedi</i>				CONTAINER		REMARKS 56923					
NO.	DATE	TIME	SOIL	WATER	LOCATION						
1	8/28/07		✓		STMW-3-5 001	1	✓	✓	EDF # T060197116197		
2	↓		✓		STMW-3-10 002	1	✓	✓			
3	↓		✓		STMW-3-15 003	1	✓	✓	*Full lists		
4	↓		✓		STMW-3-20 004	1	✓	✓			
						*Please return all soil samples to our office when work is completed*					
						Note: Please label all the field points according to the Chain.					
						④ Acetate tubes Rec'd @ Temp: 10.1°C.					
Relinquished by: (Signature) <i>Frank Hamedi</i>		Date / Time 8/29/07 1415		Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature) <i>[Signature]</i>		Date / Time 8/29/07 1438		Received by: (Signature) <i>[Signature]</i>		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature) <i>[Signature]</i>		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks Please send lab report to Frank Hamedi.			



ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants  
 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111  
 Tel: (408) 297-1500 Fax: (408) 292-2116



# Entech Analytical Labs, Inc.

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3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

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Frank Hamedi

Enviro Soil Tech Consultants

131 Tully Road

San Jose, CA 95111

Lab Certificate Number: 56980

Issued: 09/17/2007

Project Number: 10-93-567-ST

Global ID: T06019716197

Project Name: 909 Bluebell Drive

Project Location: Livermore

## Certificate of Analysis - Final Report

On September 05, 2007, samples were received under chain of custody for analysis.

Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	Alcohols: EPA 5030B/ EPA 8015B Electronic Deliverables for Geotracker VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).

If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom  
Laboratory Director

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab #: 56980-001 Sample ID: STMW-1

Matrix: Liquid Sample Date: 9/4/2007 1:46 PM

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	1.0	mg/L	N/A	N/A	9/8/2007	WGC5070908
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: Jabidog	
1-Butanol	89.5		65	- 135				Reviewed by: MaiChiTu	

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab # : 56980-001 Sample ID: STMW-1

Matrix: Liquid Sample Date: 9/4/2007 1:46 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,1-Trichloroethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,2,2-Tetrachloroethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,2-Trichloroethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloroethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloroethene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloropropene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,3-Trichlorobenzene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,3-Trichloropropane	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,4-Trichlorobenzene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,4-Trimethylbenzene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dibromo-3-Chloropropane	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dibromoethane (EDB)	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichlorobenzene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichloroethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichloropropane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3,5-Trimethylbenzene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3-Dichlorobenzene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3-Dichloropropane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,4-Dichlorobenzene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,4-Dioxane	ND		20	1000	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2,2-Dichloropropane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Butanone (MEK)	ND		20	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Chloroethyl-vinyl Ether	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Chlorotoluene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Hexanone	ND		20	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I
4-Chlorotoluene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
4-Methyl-2-Pentanone(MIBK)	ND		20	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acetone	ND		20	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acetonitrile	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acrolein	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acrylonitrile	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Benzene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Benzyl Chloride	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromobenzene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromochloromethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromodichloromethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromoform	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromomethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Carbon Disulfide	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Carbon Tetrachloride	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chlorobenzene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloroethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloroform	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloromethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab #: 56980-001 Sample ID: STMW-1

Matrix: Liquid Sample Date: 9/4/2007 1:46 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
cis-1,3-Dichloropropene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Cyclohexanone	ND		20	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dibromochloromethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dibromomethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dichlorodifluoromethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Diisopropyl Ether	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Ethyl Benzene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Freon 113	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Hexachlorobutadiene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Iodomethane	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Isopropanol	ND		20	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Isopropylbenzene	ND		20	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Methyl-t-butyl Ether	850		20	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Methylene Chloride	ND		20	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I
n-Butylbenzene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
n-Propylbenzene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Naphthalene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
p-Isopropyltoluene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Pentachloroethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
sec-Butylbenzene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Styrene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Amyl Methyl Ether	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butanol (TBA)	6400		20	200	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butyl Ethyl Ether	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butylbenzene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Tetrachloroethene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Tetrahydrofuran	ND		20	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Toluene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
trans-1,2-Dichloroethene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
trans-1,3-Dichloropropene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
trans-1,4-Dichloro-2-butene	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Trichloroethene	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Trichlorofluoromethane	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Vinyl Acetate	ND		20	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Vinyl Chloride	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Xylenes, Total	ND		20	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Ethanol	ND		20	4000	µg/L	N/A	N/A	9/10/2007	WM7I070910I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	108	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	107	60 - 130

Analyzed by: Bela

Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.

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Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab #: 56980-001    Sample ID: STMW-1    Matrix: Liquid    Sample Date: 9/4/2007    1:46 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	220		1.0	50	µg/L	N/A	N/A	9/15/2007	WGC070915
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	89.2		65	- 135				Reviewed by: MaiChiTu	

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Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab # : 56980-002    Sample ID: STMW-2    Matrix: Liquid    Sample Date: 9/4/2007    11:42 AM

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	1.0	mg/L	N/A	N/A	9/8/2007	WGC5070908
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: Jabidog	
1-Butanol	83.6		65	- 135				Reviewed by: MaiChiTu	

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GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab # : 56980-002      Sample ID: STMW-2      Matrix: Liquid      Sample Date: 9/4/2007      11:42 AM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acetone	ND		1.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

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Sample Collected by: Client

Lab # : 56980-002      Sample ID: STMW-2      Matrix: Liquid      Sample Date: 9/4/2007      11:42 AM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butanol (TBA)	42		1.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Tetrahydrofuran	49		1.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Ethanol	ND		1.0	200	µg/L	N/A	N/A	9/10/2007	WM7I070910I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	109	60 - 130
Dibromofluoromethane	108	60 - 130
Toluene-d8	107	60 - 130

Analyzed by: Bela

Reviewed by: MaiChiTu



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab #: 56980-002    Sample ID: STMW-2    Matrix: Liquid    Sample Date: 9/4/2007    11:42 AM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	50	µg/L	N/A	N/A	9/15/2007	WGC070915
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	90.2		65	- 135				Reviewed by: MaiChiTu	

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab # : 56980-003    Sample ID: STMW-3    Matrix: Liquid    Sample Date: 9/4/2007    12:39 PM

Alcohols: EPA 5030B/ EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methanol	ND		1.0	1.0	mg/L	N/A	N/A	9/8/2007	WGC5070908
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: Javidog	
1-Butanol	84.0		65	- 135				Reviewed by: MaiChiTu	

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Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab # : 56980-003

Sample ID: STMW-3

Matrix: Liquid

Sample Date: 9/4/2007

12:39 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,1-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1,2-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,1-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,3-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,3-Trichloropropane	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,4-Trichlorobenzene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2,4-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dibromo-3-Chloropropane	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dibromoethane (EDB)	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3,5-Trimethylbenzene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,3-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,4-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
1,4-Dioxane	ND		2.0	100	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2,2-Dichloropropane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Butanone (MEK)	ND		2.0	40	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Chloroethyl-vinyl Ether	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
2-Hexanone	ND		2.0	40	µg/L	N/A	N/A	9/10/2007	WM7I070910I
4-Chlorotoluene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
4-Methyl-2-Pentanone(MIBK)	ND		2.0	40	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acetone	ND		2.0	40	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acetonitrile	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acrolein	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Acrylonitrile	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Benzene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Benzyl Chloride	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromobenzene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromodichloromethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromoform	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Bromomethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Carbon Disulfide	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Carbon Tetrachloride	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloroethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloroform	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Chloromethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

9/17/2007 5:44:25 PM - dba

# Entech Analytical Labs, Inc.

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Enviro Soil Tech Consultants  
131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamedi

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab # : 56980-003      Sample ID: STMW-3      Matrix: Liquid      Sample Date: 9/4/2007      12:39 PM

VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
cis-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Cyclohexanone	ND		2.0	40	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dibromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dibromomethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Dichlorodifluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Diisopropyl Ether	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Ethyl Benzene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Freon 113	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Hexachlorobutadiene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Iodomethane	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Isopropanol	ND		2.0	40	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Isopropylbenzene	ND		2.0	2.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Methyl-t-butyl Ether	160		2.0	2.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Methylene Chloride	ND		2.0	40	µg/L	N/A	N/A	9/10/2007	WM7I070910I
n-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
n-Propylbenzene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Naphthalene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
p-Isopropyltoluene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Pentachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
sec-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Styrene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Amyl Methyl Ether	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butanol (TBA)	120		2.0	20	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butyl Ethyl Ether	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
tert-Butylbenzene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Tetrachloroethene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Tetrahydrofuran	ND		2.0	40	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Toluene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
trans-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
trans-1,3-Dichloropropene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
trans-1,4-Dichloro-2-butene	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Trichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Trichlorofluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Vinyl Acetate	ND		2.0	10	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Vinyl Chloride	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Xylenes, Total	ND		2.0	1.0	µg/L	N/A	N/A	9/10/2007	WM7I070910I
Ethanol	ND		2.0	400	µg/L	N/A	N/A	9/10/2007	WM7I070910I

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	60 - 130
Dibromofluoromethane	105	60 - 130
Toluene-d8	106	60 - 130

Analyzed by: Bela

Reviewed by: MaiChiTu

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131 Tully Road  
San Jose, CA 95111  
Attn: Frank Hamed

Project Number: 10-93-567-ST  
Project Name: 909 Bluebell Drive  
Project Location: Livermore  
GlobalID: T06019716197

## Certificate of Analysis - Data Report

Samples Received: 09/05/2007  
Sample Collected by: Client

Lab #: 56980-003    Sample ID: STMW-3    Matrix: Liquid    Sample Date: 9/4/2007    12:39 PM

TPH-Purgeable - GC : EPA 5030B / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	59		1.0	50	µg/L	N/A	N/A	9/15/2007	WGC070915
<b>Surrogate</b>	<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>					Analyzed by: JAbidog	
4-Bromofluorobenzene	89.6		65	- 135				Reviewed by: MaiChiTu	

# Entech Analytical Labs, Inc.

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3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC070915

Validated by: MaiChiTu - 09/17/07

QC Batch Analysis Date: 9/15/2007

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	50	µg/L
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	93.7	65 - 135		

# Entech Analytical Labs, Inc.

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3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: WGC5070908

Validated by: MaiChiTu - 09/14/07

QC Batch Analysis Date: 9/8/2007

Parameter		Result	DF	PQLR	Units
Methanol		ND	1	1.0	mg/L
Surrogate for Blank	% Recovery	Control Limits			
1-Butanol	95.8	65 - 135			

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Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070910I

Validated by: MaiChiTu - 09/12/07

QC Batch Analysis Date: 9/10/2007

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,1-Dichloropropene	ND	1	0.50	µg/L
1,2,3-Trichlorobenzene	ND	1	5.0	µg/L
1,2,3-Trichloropropane	ND	1	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1	5.0	µg/L
1,2,4-Trimethylbenzene	ND	1	5.0	µg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,2-Dichloropropane	ND	1	0.50	µg/L
1,3,5-Trimethylbenzene	ND	1	5.0	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,3-Dichloropropane	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dioxane	ND	1	50	µg/L
2,2-Dichloropropane	ND	1	0.50	µg/L
2-Butanone (MEK)	ND	1	20	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/L
2-Chlorotoluene	ND	1	5.0	µg/L
2-Hexanone	ND	1	20	µg/L
4-Chlorotoluene	ND	1	5.0	µg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L
Acetone	ND	1	20	µg/L
Acetonitrile	ND	1	5.0	µg/L
Acrolein	ND	1	5.0	µg/L
Acrylonitrile	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Benzyl Chloride	ND	1	5.0	µg/L
Bromobenzene	ND	1	0.50	µg/L
Bromochloromethane	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Disulfide	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
cis-1,2-Dichloroethene	ND	1	0.50	µg/L
cis-1,3-Dichloropropene	ND	1	0.50	µg/L
Cyclohexanone	ND	1	20	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Dibromomethane	ND	1	0.50	µg/L



# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070910I

Validated by: MaiChiTu - 09/12/07

QC Batch Analysis Date: 9/10/2007

Parameter	Result	DF	PQLR	Units
Dichlorodifluoromethane	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	200	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Freon 113	ND	1	5.0	µg/L
Hexachlorobutadiene	ND	1	5.0	µg/L
Iodomethane	ND	1	5.0	µg/L
Isopropanol	ND	1	20	µg/L
Isopropylbenzene	ND	1	1.0	µg/L
Methylene Chloride	ND	1	20	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Naphthalene	ND	1	5.0	µg/L
n-Butylbenzene	ND	1	5.0	µg/L
n-Propylbenzene	ND	1	5.0	µg/L
Pentachloroethane	ND	1	0.50	µg/L
p-Isopropyltoluene	ND	1	5.0	µg/L
sec-Butylbenzene	ND	1	5.0	µg/L
Styrene	ND	1	0.50	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
tert-Butylbenzene	ND	1	5.0	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Tetrahydrofuran	ND	1	20	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
trans-1,3-Dichloropropene	ND	1	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	1	5.0	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Acetate	ND	1	5.0	µg/L
Vinyl Chloride	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L
<b>Surrogate for Blank</b>	<b>% Recovery</b>	<b>Control Limits</b>		
4-Bromofluorobenzene	<b>108</b>	60 - 130		
Dibromofluoromethane	<b>104</b>	60 - 130		
Toluene-d8	<b>106</b>	60 - 130		

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - TPH-Purgeable - GC : EPA 5030B / EPA 8015B

QC Batch ID: WGC070915

Reviewed by: MaiChiTu - 09/17/07

QC Batch ID Analysis Date: 9/15/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	123	µg/L	98.4	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>				
4-Bromofluorobenzene	117.0	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	125	µg/L	100	1.6	25.0	65 - 135
<b>Surrogate</b>	<b>% Recovery</b>	<b>Control Limits</b>						
4-Bromofluorobenzene	112.0	65 - 135						

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - Alcohols: EPA 5030B/ EPA 8015B

QC Batch ID: WGC5070908

Reviewed by: MaiChiTu - 09/14/07

QC Batch ID Analysis Date: 9/8/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methanol	<1.0	50	47.6	mg/L	95.2	65 - 135
Surrogate	% Recovery	Control Limits				
1-Butanol	84.8	65 - 135				

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Methanol	<1.0	50	41.2	mg/L	82.4	14	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
1-Butanol	92.8	65 - 135						

# Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - VOCs: EPA 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM7I070910I

Reviewed by: MaiChiTu - 09/12/07

QC Batch ID Analysis Date: 9/10/2007

## LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	22.6	µg/L	113	70 - 130
Benzene	<0.50	20	19.5	µg/L	97.3	70 - 130
Chlorobenzene	<0.50	20	17.1	µg/L	85.6	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.9	µg/L	105	70 - 130
Toluene	<0.50	20	19.1	µg/L	95.5	70 - 130
Trichloroethene	<0.50	20	17.7	µg/L	88.4	70 - 130

### Surrogate

Surrogate	% Recovery	Control Limits
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4-Bromofluorobenzene	112.0	60 - 130
Dibromofluoromethane	115.0	60 - 130
Toluene-d8	113.0	60 - 130

## LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	25.4	µg/L	127	12	25.0	70 - 130
Benzene	<0.50	20	23.2	µg/L	116	17	25.0	70 - 130
Chlorobenzene	<0.50	20	19.0	µg/L	94.9	10	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	23.1	µg/L	115	9.8	25.0	70 - 130
Toluene	<0.50	20	21.5	µg/L	107	12	25.0	70 - 130
Trichloroethene	<0.50	20	21.0	µg/L	105	17	25.0	70 - 130

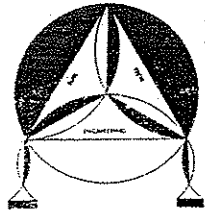
### Surrogate

Surrogate	% Recovery	Control Limits
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4-Bromofluorobenzene	108.0	60 - 130
Dibromofluoromethane	110.0	60 - 130
Toluene-d8	107.0	60 - 130

CHAIN OF CUSTODY RECORD

PROJ. NO. 10-93-567-ST		NAME 909 Bluebell Drive, Livermore		ANALYSES REQUESTED IPHA by 8/15/07 EPA 8260 EPA 8260 B* EPA 8260 A* EPA 8260 C* EPA 8260 D* EPA 8260 E* EPA 8260 F* EPA 8260 G* EPA 8260 H* EPA 8260 I* EPA 8260 J* EPA 8260 K* EPA 8260 L* EPA 8260 M* EPA 8260 N* EPA 8260 O* EPA 8260 P* EPA 8260 Q* EPA 8260 R* EPA 8260 S* EPA 8260 T* EPA 8260 U* EPA 8260 V* EPA 8260 W* EPA 8260 X* EPA 8260 Y* EPA 8260 Z*		REMARKS				
SAMPLERS: (Signature) Richard Marley 56980								CON-TAINER		
NO.	DATE	TIME	SOIL	WATER	LOCATION					
1	9/04/07	13:46		✓	STMW-1 001	6	✓	✓	✓	EDF #TD6019716197
2	↓	11:42		✓	STMW-2 002	6	✓	✓	✓	
3	↓	12:39		✓	STMW-3 003	6	✓	✓	✓	* Full lists
										*All vials are HCL preserved*
										Note: Please label all the field points according to the Chain.
										6 vials each (w/ HCL)
										Rec'd @ Temp: 7.6°C.
Relinquished by: (Signature) Richard Marley		Date / Time 9/5/07/1041		Received by: (Signature) [Signature]		Relinquished by: (Signature)		Date / Time		Receive by: (Signature)
Relinquished by: (Signature) [Signature]		Date / Time 9/5/07/1110		Received by: (Signature) [Signature]		Relinquished by: (Signature)		Date / Time		Received by: (Signature)
Relinquished by: (Signature) [Signature]		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks Please send lab report to Frank Hamed		



ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants  
 131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111  
 Tel: (408) 297-1500 Fax: (408) 292-2116

**A P P E N D I X "G"**

**DRILLING PERMIT**



# ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 909 Bluebell Drive  
Livermore, CA 94551

PERMIT NUMBER 27142  
WELL NUMBER 3S/2E-3G16 to 3G18 (MW-1 to MW-3)  
APN 099-0022-001-00

California Coordinates Source \_\_\_\_\_ ft. Accuracy \* \_\_\_\_\_ ft.  
CCN \_\_\_\_\_ ft. CCE \_\_\_\_\_ ft.  
APN \_\_\_\_\_

### PERMIT CONDITIONS

(Circled Permit Requirements Apply)

CLIENT Name Masood Amini Filabadi  
Address 909 Bluebell Drive Phone 925-371-0994  
City Livermore Zip 94551

- A. GENERAL
  1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
  2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.
  3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Name Enviro Soil Tech Consultants  
Address 131 Tully Road Phone 408-297-1500  
City San Jose Zip 95111

- B. WATER SUPPLY WELLS
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
  3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
  4. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT

Well Construction	..	Geotechnical Investigation	..
Cathodic Protection	..	General	..
Water Supply	..	Contamination	..
Monitoring	X	Well Destruction	..

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WELL USE

New Domestic	..	Irrigation	..
Municipal	..	Remediation	..
Industrial	..	Groundwater Monitoring	X
Dewatering	.....	Other	.....

- D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:  
Mud Rotary .. Air Rotary .. Hollow Stem Auger ..  
Cable Tool .. Direct Push X Other .....

- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

DRILLING COMPANY Vironex, Inc.  
DRILLER'S LICENSE NO. 705927

- F. WELL DESTRUCTION. See attached.

WELL PROJECTS

Drill Hole Diameter	<u>8</u> in.	Maximum	
Casing Diameter	<u>2</u> in.	Depth	<u>25</u> ft.
Surface Seal Depth	<u>8</u> ft.	Number	<u>3</u>

- G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.

SOIL BORINGS  
Number of Borings 4 Maximum  
Hole Diameter 8 in. Depth 28 ft.

ESTIMATED STARTING DATE 8/21/07  
ESTIMATED COMPLETION DATE 8/22/07

Approved Wyman Hong Date 8/21/07  
Wyman Hong

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Frank Hamedi Date 8/20/07

ATTACH SITE PLAN OR SKETCH

Revised: April 27, 2005

**A P P E N D I X "H"**

**WELL COMPLETION REPORTS**

**ENVIRO SOIL TECH CONSULTANTS**



**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

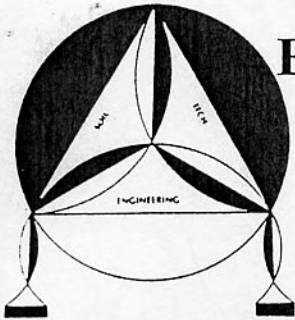
**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**A P P E N D I X "I"**

**FIELD NOTES**



# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 10-93-567-ST

DATE: 9-04-07

DEPTH TO WELL: \_\_\_\_\_

DEPTH TO WATER: 6<sup>ft</sup>.58

HEIGHT OF WATER COLUMN: \_\_\_\_\_

WELL NO.: STMW-1

SAMPLER: Perched Manly

1 WELL VOLUME: 2.2

5 WELL VOLUME: 11

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: \_\_\_\_\_  2" \_\_\_\_\_ 4"

### CALCULATIONS:

2" - x 0.1632 13.42

4" - 0.653 \_\_\_\_\_

PURGE METHOD: \_\_\_\_\_ BAILER  DISPLACEMENT PUMP \_\_\_\_\_ OTHER

SAMPLE METHOD:  BAILER \_\_\_\_\_ OTHER

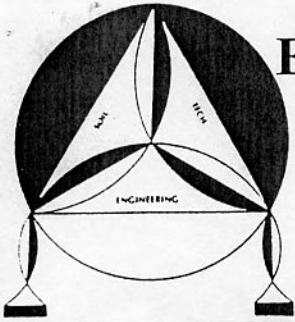
SHEEN: \_\_\_\_\_ NO  YES, DESCRIBE: RAIN BOW

ODOR:  NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

### FIELD MEASUREMENTS

TIME	VOLUME	pH	TEMP.	E.C.
_____	<u>3 gpc</u>	<u>6.63</u>	<u>22.2</u>	<u>1526</u>
_____	<u>6 gpc</u>	<u>6.43</u>	<u>21.6</u>	<u>1499</u>
_____	<u>9 gpc</u>	<u>6.37</u>	<u>21.4</u>	<u>1462</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

6<sup>ft</sup>.66



# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 10-93-567-ST

WELL NO.: SMW-2

DATE: 9-04-07

SAMPLER: Richard Manly

DEPTH TO WELL: \_\_\_\_\_

1 WELL VOLUME: 1.9

DEPTH TO WATER: 8 FT .30

5 WELL VOLUME: 9.5

HEIGHT OF WATER COLUMN: \_\_\_\_\_

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: \_\_\_\_\_  2" \_\_\_\_\_

\_\_\_\_\_  4" \_\_\_\_\_

## CALCULATIONS:

2" - x 0.1632 11.7

4" - 0.653 \_\_\_\_\_

PURGE METHOD: \_\_\_\_\_ BAILER  DISPLACEMENT PUMP \_\_\_\_\_ OTHER \_\_\_\_\_

SAMPLE METHOD:  BAILER \_\_\_\_\_ OTHER \_\_\_\_\_

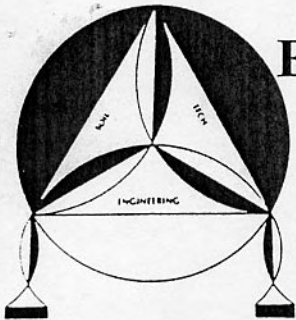
SHEEN:  NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

ODOR:  NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>3 GAL</u>	<u>7.00</u>	<u>21.5</u>	<u>1383</u>
_____	<u>6 GAL</u>	<u>6.53</u>	<u>21.2</u>	<u>1397</u>
_____	<u>9 GAL</u>	<u>6.43</u>	<u>21.1</u>	<u>1405</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

8 FT .38



# ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500

Fax: (408) 292-2116

FILE NO.: 10-93-567-ST

DATE: 9-04-07

DEPTH TO WELL: \_\_\_\_\_

DEPTH TO WATER: 9 FT .52

HEIGHT OF WATER COLUMN: \_\_\_\_\_

WELL NO.: STmw-3

SAMPLER: Retrol Manly

1 WELL VOLUME: 1.7

5 WELL VOLUME: 8.5

ACTUAL PURGED VOLUME: 9

CASING DIAMETER: ✓ 2" \_\_\_\_\_ 4"

## CALCULATIONS:

2" - x 0.1632 10.48

4" - 0.653 \_\_\_\_\_

PURGE METHOD: \_\_\_\_\_ BAILER ✓ DISPLACEMENT PUMP \_\_\_\_\_ OTHER

SAMPLE METHOD: ✓ BAILER \_\_\_\_\_ OTHER

SHEEN: ✓ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

ODOR: ✓ NO \_\_\_\_\_ YES, DESCRIBE: \_\_\_\_\_

## FIELD MEASUREMENTS

<u>TIME</u>	<u>VOLUME</u>	<u>pH</u>	<u>TEMP.</u>	<u>E.C.</u>
_____	<u>3 GAL</u>	<u>6.81</u>	<u>20.9</u>	<u>1961</u>
_____	<u>6 GAL</u>	<u>6.36</u>	<u>20.3</u>	<u>2119</u>
_____	<u>9 GAL</u>	<u>6.14</u>	<u>20.0</u>	<u>2115</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

9 FT .98

**A P P E N D I X "J"**

**SURVEYOR'S REPORTS**

**ENVIRO SOIL TECH CONSULTANTS**



GLOBAL_ID	FIELD_PT_NAME	STATUS	GW_MEAS_DATE	DTFPROD	DTW	RISER_HT	TOT_DEPTH	GW_MEAS_DESC
	GP-1							
	GP-2							
	GP-3							
	GP-4							
	MW-1							
	MW-2							
	MW-3							
	SB-1							
	SB-2							
	SB-3							
	SB-4							
	SB-5							
	SB-6							
	SB-7							
	SB-8							
	SB-9							



GLOBAL_ID	FIELD_PT_NAME	FIELD_PT_CLASS	XY_SURVEY_DATE	LATITUDE	LONGITUDE	XY_METHOD	XY_DATUM	XY_ACC_VAL	XY_SURVEY_ORG	GPS_EQUIP_TYPE	XY_SURVEY_DESC
GP-1	TR5		9/6/2007	37.7053398	121.7399523	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
GP-2	TR5		9/6/2007	37.7052652	121.7401296	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
GP-3	TR5		9/6/2007	37.7052287	121.7401762	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
GP-4	TR5		9/6/2007	37.7051067	121.7402896	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
MW-1	MW		9/6/2007	37.7053308	121.7400718	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
MW-2	MW		9/6/2007	37.7051813	121.7398972	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
MW-3	MW		9/6/2007	37.7051960	121.7402291	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-1	BH		9/6/2007	37.7051434	121.7399901	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-2	BH		9/6/2007	37.7050691	121.7401695	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-3	BH		9/6/2007	37.7051140	121.7402239	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-4	BH		9/6/2007	37.7051600	121.7402111	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-5	BH		9/6/2007	37.7052032	121.7401520	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-6	BH		9/6/2007	37.7052892	121.7399992	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-7	BH		9/6/2007	37.7052562	121.7399333	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-8	BH		9/6/2007	37.7052250	121.7400150	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	
SB-9	BH		9/6/2007	37.7051601	121.7400970	CGPS	NAD83		1 MJIR CONSULTING, INC.	T5800	



GLOBAL_ID	FIELD_PT_NAME	ELEV_SURVEY_DATE	ELEVATION	ELEV_METHOD	ELEV_DATUM	ELEV_ACC_VAL	ELEV_SURVEY_ORG	RISER_HT	ELEV_DESC
	GP-1	9/6/2007	518.38	TRIG	88	0.3	MUIR CONSULTING, INC.		
	GP-2	9/6/2007	519.03	TRIG	88	0.3	MUIR CONSULTING, INC.		
	GP-3	9/6/2007	519.22	TRIG	88	0.3	MUIR CONSULTING, INC.		
	GP-4	9/6/2007	520.44	TRIG	88	0.3	MUIR CONSULTING, INC.		
	MW-1	9/6/2007	517.55	TRIG	88	0.3	MUIR CONSULTING, INC.		
	MW-2	9/6/2007	519.59	TRIG	88	0.3	MUIR CONSULTING, INC.		
	MW-3	9/6/2007	520.37	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-1	9/6/2007	520.14	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-2	9/6/2007	519.95	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-3	9/6/2007	519.55	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-4	9/6/2007	519.56	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-5	9/6/2007	519.44	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-6	9/6/2007	519.20	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-7	9/6/2007	519.75	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-8	9/6/2007	519.31	TRIG	88	0.3	MUIR CONSULTING, INC.		
	SB-9	9/6/2007	519.91	TRIG	88	0.3	MUIR CONSULTING, INC.		



Drawing Name: 3557exhibit  
Project Name: 3557-01  
Project Path: Z:\Land Projects 2004\3557-01\  
Username: jgee

Number	Northing	Easting	Elevation	Raw Desc	Full Desc
11	2081642.1706	6202916.6858	519.03	GP-2	GP-2
12	2081619.6803	6202909.8911	519.44	SB-5	SB-5
13	2081629.0695	6202903.0285	519.22	GP-3	GP-3
33	2081587.4626	6202888.6547	519.55	SB-3	SB-3
34	2081585.0764	6202869.6193	520.44	GP-4	GP-4
35	2081604.1727	6202892.5773	519.56	SB-4	SB-4
37	2081617.3588	6202887.5604	520.37	MW-3	MW-3
41	2081570.9350	6202904.1959	519.95	SB-2	SB-2
42	2081603.7824	6202925.5835	519.91	SB-9	SB-9
45	2081627.0901	6202949.6337	519.31	SB-8	SB-8
47	2081668.6453	6202968.3120	518.38	GP-1	GP-1
49	2081665.8395	6202933.7096	517.55	MW-1	MW-1
54	2081597.2701	6202956.4469	520.14	SB-1	SB-1
55	2081638.1193	6202973.4018	519.75	SB-7	SB-7
56	2081650.3745	6202957.4073	519.20	SB-6	SB-6
58	2081610.7332	6202983.5082	519.59	MW-2	MW-2

