



November 21, 2007

Ms. Karen Cahill  
New York State Department of Environmental Conservation  
615 Erie Boulevard  
Syracuse, New York 13204

Re: September/October Site Investigation  
Bristol-Myers Squibb Company  
Krutulis Property  
Kirkville, New York

File: 2874/40312 #2

Dear Ms. Cahill:

This letter report summarizes the results of additional site investigation activities conducted at the Krutulis property located at 848 Marsh Mill Road in Kirkville, New York (Figure 1) during September and October 2007.

### **Field Investigation Activities**

The field investigation activities completed during September and October 2007 included the following:

- soil boring advancement and subsurface soil sample collection
- temporary ground water monitoring well installation
- permanent ground water monitoring well installations
- ground water sample collection
- surveying

### **Soil Boring Advancement and Subsurface Soil Sample Collection**

The objective of the soil borings and subsurface soil sample collection activities was to provide data to evaluate the horizontal and vertical extent of volatile organic compounds (VOCs) in soil to develop an estimate of the boundaries of a potential *in situ* soil treatment area.

Eight soil borings (SB-01 through SB-08) were advanced to the underlying till using hollow stem auger drilling methods. The locations of these soil borings are shown on Figure 2. Soil samples were collected continuously from grade to the terminal depth of each boring using 2-inch diameter split barrel samplers. The soil samples were described as to color, moisture content, density, grain-size, and odors/staining. Each soil sample was screened in the field for the presence of total VOCs using photoionization detector (PID), as well as the potential presence of non-aqueous phase liquid (NAPL) using Oil-Red-O. Oil-Red-O is a hydrophobic dye that is practically insoluble in water, but will dye

organic NAPL bright red upon contact. Approximately 1 gram of soil and a small amount of Oil-Red-O were placed in a new, clean 40-ml glass vial with 20 milliliters of de-ionized water. The sample was mixed by vigorously shaking the vial for thirty seconds, and visually examined for the presence of residual source material. None of the soil samples tested indicated the presence of NAPL using the Oil-Red-O dye.

The soil descriptions and field screening information were recorded on soil boring logs. Soil boring logs are provided in Appendix A.

Four soil samples were submitted from each soil boring for analysis of VOCs using USEPA Method 8260. Soil samples exhibiting the highest PID readings at various depths were submitted. The soil samples were analyzed by Life Science Laboratories, Inc. in Syracuse, New York. The VOCs detected in the soil samples are summarized on Table 1 and shown on Figure 3. Laboratory data sheets are provided in Appendix B.

Subsequent to completion, each soil boring was backfilled with cement/bentonite grout.

#### Temporary Ground Water Monitoring Well Installation

The objective of the temporary ground water monitoring well installation activities was to provide data to characterize the current VOC ground water conditions near former HydroPunch® sampling location HP-6S, collected in 1994.

Temporary shallow monitoring well TW-01 was installed adjacent to former HydroPunch® sampling location HP-6S, as shown on Figure 2. The borehole for TW-01 was advanced to a depth of approximately 22.5-ft below ground using 3.25-inch hollow stem augers. During advancement of the augers, soil samples were collected continuously for descriptive purposes.

TW-01 was constructed using a 2-inch diameter, 0.010-inch slot PVC screen from approximately 12.5-ft to 22.5-ft below ground to incorporate the 15-ft sample depth of the former HydroPunch® sample HP-6S. Prior to sampling, approximately 6 gallons of water was removed at which point the well was essentially dry. The water was allowed to recharge overnight and the sample was collected the following morning within 12 hours of purging. The ground water sample was submitted to Life Science Laboratories, Inc. for rush (24-hour turnaround) VOC analysis via USEPA Method 8260.

The results of the ground water sample are summarized on Table 2. Laboratory data sheets are provided in Appendix B. As summarized on Table 2, VOCs were not detected in the TW-01 sample. As the results of this sample did not indicate the presence of VOCs, the temporary well was removed and the borehole filled with cement/bentonite grout in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Work Plan.

#### Permanent Ground Water Monitoring Well Installations

The objective of the ground water monitoring well installation activities was to provide additional data to evaluate the following:

- the vertical extent of VOCs in ground water below the MW-3 screen depth of approximately 17-ft below grade by installing monitoring well MW-3D
- the potential presence of VOCs in shallow and deep ground water at a location approximately 200-ft upgradient of MW-3 by installation of monitoring wells MW-6S and MW-6D

The locations of MW-3D, MW-6S, and MW-6D are shown on Figure 2.

Each monitoring well was installed using 4.25-inch inside diameter hollow stem augers. The monitoring wells were constructed using a 10-ft length of 2-inch diameter Schedule 40 PVC well screen with 0.010-inch slots, flush-threaded to 2-inch diameter Schedule 40 PVC riser casing. The well heads were completed approximately 3-ft above grade using four-inch diameter lockable steel protective casing set within concrete surface pads.

Monitoring well MW-6S is screened between 12-ft and 22-ft below grade to be positioned at elevations similar to existing shallow wells MW-3, MW-4, and MW-5. Monitoring well MW-3D is screened between 19-ft and 29-ft below grade to the top of till. Monitoring well MW-6D is screened between 24-ft and 34-ft below grade to the top of till. The well screens at monitoring wells MW-3D and MW-6D are similar in elevation.

During the advancement of the borings for the monitoring wells, soil samples were collected continuously in 2-ft intervals from grade to the terminal depth of each boring using 2-inch diameter split barrel samplers. The soil samples were described as to color, moisture content, density, grain-size, and odors/staining. Each soil sample was screened in the field for the presence of total VOCs using PID, as well as the potential presence of NAPL using Oil-Red-O. None of the soil samples tested indicated the presence of NAPL using the Oil-Red-O dye.

Based on the field screening, a total of nine soil samples from the three monitoring wells were submitted for VOC analysis using USEPA Method 8260. A summary of the VOCs detected in the soil samples is provided on Table 1. In addition to VOCs, a representative soil sample was collected from soil generated during the installation of MW-6S and MW-6D for natural soil oxidant demand (SOD) analysis. This sample was submitted to Carus Corporation of Peru, Illinois for SOD, using permanganate, via the Standard Test Method for Determining the Permanganate Soil Oxidant Demand. The information gathered from this test can be used to estimate oxidant-dosing requirements for Site soils. The following table summarizes the 48-hour SOD results for low, medium, and high permanganate doses received from Carus Corporation:

Low Dose (g/kg)	Medium Dose (g/kg)	High Dose (g/kg)	Soil Moisture (%)
1.3	2.4	4.6	20.76

Note: Oxidant demands were calculated on a weight  $\text{KmnO}_4$ /dry soil weight basis. To convert the demand results from a dry basis to an as received basis, multiply the dry value by 1 minus the moisture. For example, the demand from the high dose is  $4.6 \text{ k/kg (dry)} \times (1 - 0.2076) = 3.6 \text{ g/kg (as received)}$ .

A representative soil sample was also sent to Bioremediation Consulting Inc (BCI) of Watertown, Massachusetts to be archived at BCI's laboratory for the potential future construction of ground water microcosms for biodegradation treatability testing.

The soil descriptions and field screening information were recorded on soil boring logs. Soil boring logs are provided in Appendix A.

Once installed, the monitoring wells were developed to remove the fine-grained material from the well and to improve the hydraulic connection with the water-bearing materials. Development consisted of hand bailing and surging the screened intervals. Well development was considered complete after five well volumes had been removed from each well.

#### Ground Water Sample Collection

Subsequent to development, each newly installed permanent monitoring well, and existing monitoring well MW-3 was sampled using low-flow ground water sampling methods. Ground water sampling logs are provided in Appendix C. Ground water samples from the newly installed monitoring wells MW-3D, MW-6S, and MW-6D, and existing monitoring well MW-3 were analyzed for VOCs via USEPA Method 8260 and headspace hydrocarbons (methane, ethane, ethene) via USEPA Method 8015 by Life Science Laboratories, Inc. In addition, the ground water sample from MW-3 was analyzed for the following *in situ* treatability parameters:

- Chloride via EPA Method 325.2
- Total organic carbon (TOC) via EPA Method 415.1
- Alkalinity via EPA Method 310.1
- Sulfate via EPA Method 375.4
- Sulfide via EPA Method 376.2
- Nitrate via EPA Method 353.2
- Nitrite via EPA Method 353.2
- Total iron via EPA Method 6010
- Total manganese via EPA Method 6010
- Total dissolved solids via EPA Method 160.1
- Total phosphate via EPA Method 365.2
- Total sodium via EPA Method 6010
- Total potassium via EPA Method 6010
- Total calcium via EPA Method 6010
- Total magnesium via EPA Method 6010

The VOCs detected in the ground water samples are summarized on Table 2 and shown on Figure 4. The headspace hydrocarbon data are summarized on Table 3. The treatability parameter data are summarized on Table 4. Laboratory data sheets are provided in Appendix B.

In addition to the VOC samples, a four-liter ground water sample was collected for *Dehalococcoides* from MW-6S and shipped to BCI. The sample has been archived at BCI's laboratory for the potential future construction of ground water microcosms for biodegradation treatability testing.

#### Surveying

Each of the newly installed monitoring wells and soil borings were surveyed for horizontal and vertical control by a New York State licensed surveyor. Horizontal positions and elevations of the monitoring wells and soil borings were tied into the existing site datum. Horizontal accuracy was 0.01-ft. Monitoring wells were surveyed to the nearest 0.01 feet at the top of the wells riser pipe (measuring point) and top of protective steel casing. The ground surface at each location was surveyed to the nearest 0.1 feet.



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After you have had a chance to review these data, we would like to meet with you at Bristol-Myers Squibb Company's Syracuse office to discuss the results and future site activities on one of the following dates: December 12, 2007, December 13, 2007 or December 14, 2007. Please e-mail me which dates you would be available to meet with us.

Very truly yours,

O'BRIEN & GERE

A handwritten signature in cursive script, appearing to read "Marc J. Dent".

Marc J. Dent, P.E.  
Managing Engineer

I:\DIV58\Projects\2874 - BMS\40312\Docs\Reports\NYSDEC\_LTR\_11-21-07\_final.doc

cc: D. Morrison – Bristol-Myers Squibb Company  
D. Plutto – Bristol-Myers Squibb Company  
J.R. Pooler – Bristol-Myers Squibb Company  
W.J. Sivak – Bristol-Myers Squibb Company

## TABLES

Table 1

Bristol-Myers Kirkville Site  
Kirkville, New York

## Detected Volatile Organic Compounds in Soil Samples

Chemical Constituent	Boring I.D.	SB-01				SB-02			
	Sample Depth	2-4	10-12	18-20	24-26	2-4	12-14	20-22	24-26
	Collection Date	9/27/07	9/27/07	9/27/07	9/27/07	9/27/07	9/27/07	9/27/07	9/27/07
	Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane		<2	<10	<20	<20	<20	<200	<200	<30
1,2,4-Trimethylbenzene		<2	<10	<20	<20	<20	<200	<200	<30
1,3,5-Trimethylbenzene		<2	<10	<20	<20	<20	<200	<200	<30
Benzene		<2	<10	<20	<20	52	<200	<200	<30
Chloroform		<2	<10	<20	<20	<20	<200	300	<30
cis-1,2-Dichloroethene		<2	<10	<20	<20	1,200	<200	<200	<30
Ethylbenzene		<2	<10	<20	<20	<20	<200	<200	<30
Isopropylbenzene		<2	<10	<20	<20	<20	<200	<200	<30
Methylene Chloride		<2	<10	<20	<20	<20	<200	<200	<30
n-Butylbenzene		<2	<10	<20	<20	<20	<200	<200	<30
n-Propylbenzene		<2	<10	<20	<20	<20	<200	<200	<30
sec-Butylbenzene		<2	<10	<20	<20	28	<200	<200	<30
Tetrachloroethene		<2	<10	<20	<20	<20	<200	<200	<30
Toluene		<2	<10	<20	<20	<20	<200	<200	<30
trans-1,2-Dichloroethene		<2	<10	<20	<20	<20	<200	<200	<30
Trichloroethene		5.3	<10	<20	<20	37	1,500	1,800	59
Vinyl Chloride		<2	<10	<20	<20	340	<200	<200	<30

Table 1

Bristol-Myers Kirkville Site  
Kirkville, New York

## Detected Volatile Organic Compounds in Soil Samples

Chemical Constituent	Boring I.D.	SB-03				SB-04			
	Sample Depth	2-4	10-12	18-20	30-32	2-4	12-14	20-22	32-34
	Collection Date	9/26/07	9/26/07	9/26/07	9/26/07	9/25/07	9/25/07	9/25/07	9/25/07
	Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane		<10	<200	<200	<200	<2	<10	<30	<20
1,2,4-Trimethylbenzene		<10	<200	<200	<200	<2	<10	<30	<20
1,3,5-Trimethylbenzene		<10	<200	<200	<200	<2	<10	<30	<20
Benzene		<10	<200	<200	<200	<2	<10	<30	<20
Chloroform		<10	<200	<200	<200	<2	<10	<30	<20
cis-1,2-Dichloroethene		110	840	<200	<200	<2	<10	<30	<20
Ethylbenzene		<10	<200	<200	<200	<2	<10	<30	<20
Isopropylbenzene		<10	<200	<200	<200	<2	<10	<30	<20
Methylene Chloride		<10	<200	<200	<200	<2	<10	<30	<20
n-Butylbenzene		<10	<200	<200	<200	<2	<10	<30	<20
n-Propylbenzene		<10	<200	<200	<200	<2	<10	<30	<20
sec-Butylbenzene		<10	<200	<200	<200	<2	<10	<30	<20
Tetrachloroethene		<10	270	<200	<200	<2	<10	<30	<20
Toluene		<10	<200	1,700	<200	<2	<10	<30	<20
trans-1,2-Dichloroethene		<10	<200	220	<200	<2	<10	<30	<20
Trichloroethene		<10	2,600	12,000	3,700	<2	<10	<30	<20
Vinyl Chloride		91	<200	<200	<200	<2	<10	<30	<20

Table 1

Bristol-Myers Kirkville Site  
Kirkville, New York

## Detected Volatile Organic Compounds in Soil Samples

Chemical Constituent	Boring I.D.	SB-05				SB-06			
	Sample Depth	2-4	10-12	20-22	30-32	2-4	8-10	22-24	28-30
	Collection Date	9/28/07	9/28/07	9/28/07	9/28/07	9/27/07	9/27/07	9/27/07	9/27/07
	Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane		<2	<2	<20	<20	<2	<9	<200	<200
1,2,4-Trimethylbenzene		<2	<2	<20	<20	<2	<9	<200	<200
1,3,5-Trimethylbenzene		<2	<2	<20	<20	<2	<9	<200	<200
Benzene		<2	<2	<20	<20	<2	<9	<200	<200
Chloroform		<2	<2	<20	<20	<2	<9	<200	<200
cis-1,2-Dichloroethene		<2	<2	<20	<20	<2	<9	<200	<200
Ethylbenzene		<2	<2	<20	<20	<2	<9	<200	<200
Isopropylbenzene		<2	<2	<20	<20	<2	<9	<200	<200
Methylene Chloride		<2	<2	<20	<20	<2	<9	<200	<200
n-Butylbenzene		<2	<2	<20	<20	<2	<9	<200	<200
n-Propylbenzene		<2	<2	<20	<20	<2	<9	<200	<200
sec-Butylbenzene		<2	<2	<20	<20	<2	<9	<200	<200
Tetrachloroethene		<2	<2	<20	<20	<2	<9	<200	<200
Toluene		<2	<2	<20	<20	<2	<9	1,200	350
trans-1,2-Dichloroethene		<2	<2	<20	<20	<2	<9	<200	<200
Trichloroethene		<2	3.5	<20	<20	<2	510	8,500	3,300
Vinyl Chloride		<2	<2	<20	<20	<2	<9	<200	<200

Table 1

Bristol-Myers Kirkville Site  
Kirkville, New York

## Detected Volatile Organic Compounds in Soil Samples

Chemical Constituent	Boring I.D.	SB-07				SB-08			
	Sample Depth	2-4	16-18	22-24	28-30	2-4	10-12	20-22	32-34
	Collection Date	9/26/07	9/26/07	9/26/07	9/26/07	9/25/07	9/25/07	9/25/07	9/25/07
	Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane		<3	<200	<200	<200	<2	<200	<30	<30
1,2,4-Trimethylbenzene		<3	480	<200	<200	<2	<200	<30	<30
1,3,5-Trimethylbenzene		<3	2,100	<200	<200	<2	<200	<30	<30
Benzene		<3	<200	<200	<200	<2	<200	<30	<30
Chloroform		<3	<200	<200	<200	<2	<200	<30	<30
cis-1,2-Dichloroethene		<3	<200	<200	<200	<2	<200	<30	<30
Ethylbenzene		<3	<200	<200	<200	<2	<200	<30	<30
Isopropylbenzene		<3	490	<200	<200	<2	<200	<30	<30
Methylene Chloride		3.8	<200	<200	<200	<2	<200	<30	<30
n-Butylbenzene		<3	<200	<200	<200	<2	<200	<30	<30
n-Propylbenzene		<3	460	<200	<200	<2	<200	<30	<30
sec-Butylbenzene		<3	<200	<200	<200	<2	<200	<30	<30
Tetrachloroethene		<3	330	<200	<200	<2	<200	<30	<30
Toluene		<3	<200	800	210	<2	<200	<30	<30
trans-1,2-Dichloroethene		<3	<200	<200	<200	<2	<200	<30	<30
Trichloroethene		<3	380	2,800	1,100	<2	3,100	<30	<30
Vinyl Chloride		<3	<200	<200	<200	<2	<200	<30	<30

Table 1

Bristol-Myers Kirkville Site  
Kirkville, New York

## Detected Volatile Organic Compounds in Soil Samples

Chemical Constituent	Boring I.D.	MW-3D			MW-6S		MW-6D			
	Sample Depth	8-10	18-20	26-28	10-12	16-18	8-10	18-20	22-24	30-32
	Collection Date	10/2/07	10/2/07	10/2/07	10/1/07	10/1/07	10/1/07	10/1/07	10/1/07	10/1/07
	Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
1,1,2,2-Tetrachloroethane		16	<15	<3	<3	<15	<3.1	<360	<3.1	<3
1,2,4-Trimethylbenzene		<3	<15	<3	<3	<15	<3.1	<360	<3.1	<3
1,3,5-Trimethylbenzene		<3	<15	<3	<3	<15	<3.1	<360	<3.1	<3
Benzene		<3	<15	<3	<3	<15	<3.1	<360	<3.1	<3
Chloroform		<3	<15	<3	<3	<15	<3.1	<360	<3.1	<3
cis-1,2-Dichloroethene		11	<15	<3	<3	<15	<3.1	<360	30	<3
Ethylbenzene		<3	51	<3	<3	<15	<3.1	<360	<3.1	<3
Isopropylbenzene		6.9	<15	<3	<3	<15	<3.1	<360	<3.1	<3
Methylene Chloride		<6	<29	13	<6	<30	<6.2	<710	<6.3	<6
n-Butylbenzene		<3	<15	<3	<3	38	4.2	<360	<3.1	<3
n-Propylbenzene		<3	<15	<3	<3	<15	<3.1	<360	<3.1	<3
sec-Butylbenzene		24	<15	<3	<3	24	<3.1	<360	<3.1	<3
Tetrachloroethene		43	1,000	<3	<3	<15	<3.1	<360	<3.1	<3
Toluene		<3	100	<3	<3	<15	<3.1	7,000	5,000	3.3
trans-1,2-Dichloroethene		<3	<15	<3	<3	<15	<3.1	<360	110	<3
Trichloroethene		200	7,900	9.1	<3	<15	<3.1	3,900	7,700	8.1
Vinyl Chloride		<6	<29	<6	<6	<30	<6.2	<710	<6.3	<6

Table 2

Bristol-Myers Kirkville Site  
Kirkville, New York

Detected Volatile Organic Compounds in Ground Water Samples

Chemical Constituent	Well I.D.	TW-1	MW-3	MW-3D	MW-6S	MW-6D
	Screened Interval Depth Below Grade Screened Interval Elevation Collection Date Units	12.5 - 22.5 276.2 - 266.2 9/25/07 ug/l	7 - 17 283.5 - 273.5 10/18/07 ug/l	19 - 29 273.1 - 263.1 10/18/07 ug/l	12 - 22 284.5 - 274.5 10/18/07 ug/l	24 - 34 273.0 - 263.0 10/18/07 ug/l
cis-1,2-Dichloroethene		<0.5	3,230	<100	<10	<25
Toluene		<0.5	<100	<100	530	1,470
Trichloroethene		<0.5	1,140	1,030	677	1,940
Vinyl Chloride		<1	624	<200	<20	<50



Table 3

Bristol-Myers Kirkville Site  
Kirkville, New York

Headspace Hydrocarbons

Chemical Constituent	Well I.D.	MW-3	MW-3D	MW-6S	MW-6D
	Screened Interval Depth Below Grade	7 - 17	19 - 29	12 - 22	24 - 34
	Screened Interval Elevation	283.5 - 273.5	273.1 - 263.1	284.5 - 274.5	273.0 - 263.0
	Collection Date	10/18/07	10/18/07	10/18/07	10/18/07
	Units	mg/l	mg/l	mg/l	mg/l
Ethane		<0.0041	<0.021	<0.0042	<0.0042
Ethene		0.0054	<0.021	<0.0042	<0.0042
Methane		0.012	0.27	0.0028	0.013

Table 4

Bristol-Myers Kirkville Site  
Kirkville, New York

Treatability Parameters

Well I.D.	MW-3
Screened Interval Depth Below Grade	7 - 17
Screened Interval Elevation	283.5 - 273.5
Collection Date	10/18/07
Units	mg/l
<b>Chemical Constituent</b>	
Chloride	6.1
Nitrate (as N)	<0.020
Nitrite (as N)	<0.020
Orthophosphate (as P)	<0.050
Sulfate (as SO <sub>4</sub> )	38
Total Dissolved Solids	29,000
Alkalinity (as CaCO <sub>3</sub> )	160
Total Organic Carbon	1.3
Sulfide	<1.0
Calcium	52
Iron	3.3
Magnesium	19
Manganese	0.071
Potassium	<5.0
Sodium	3.0

## FIGURES



ADAPTED FROM: CLEVELAND AND MANLIUS, NEW YORK USGS QUADRANGLE



KRUTULIS PROPERTY  
KIRKVILLE, NY

**SITE LOCATION**

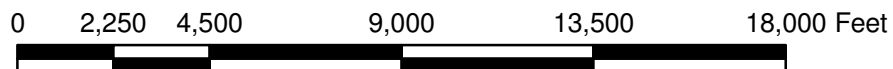


FIGURE 2

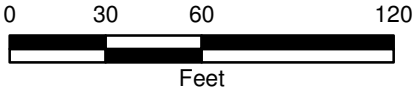


LEGEND

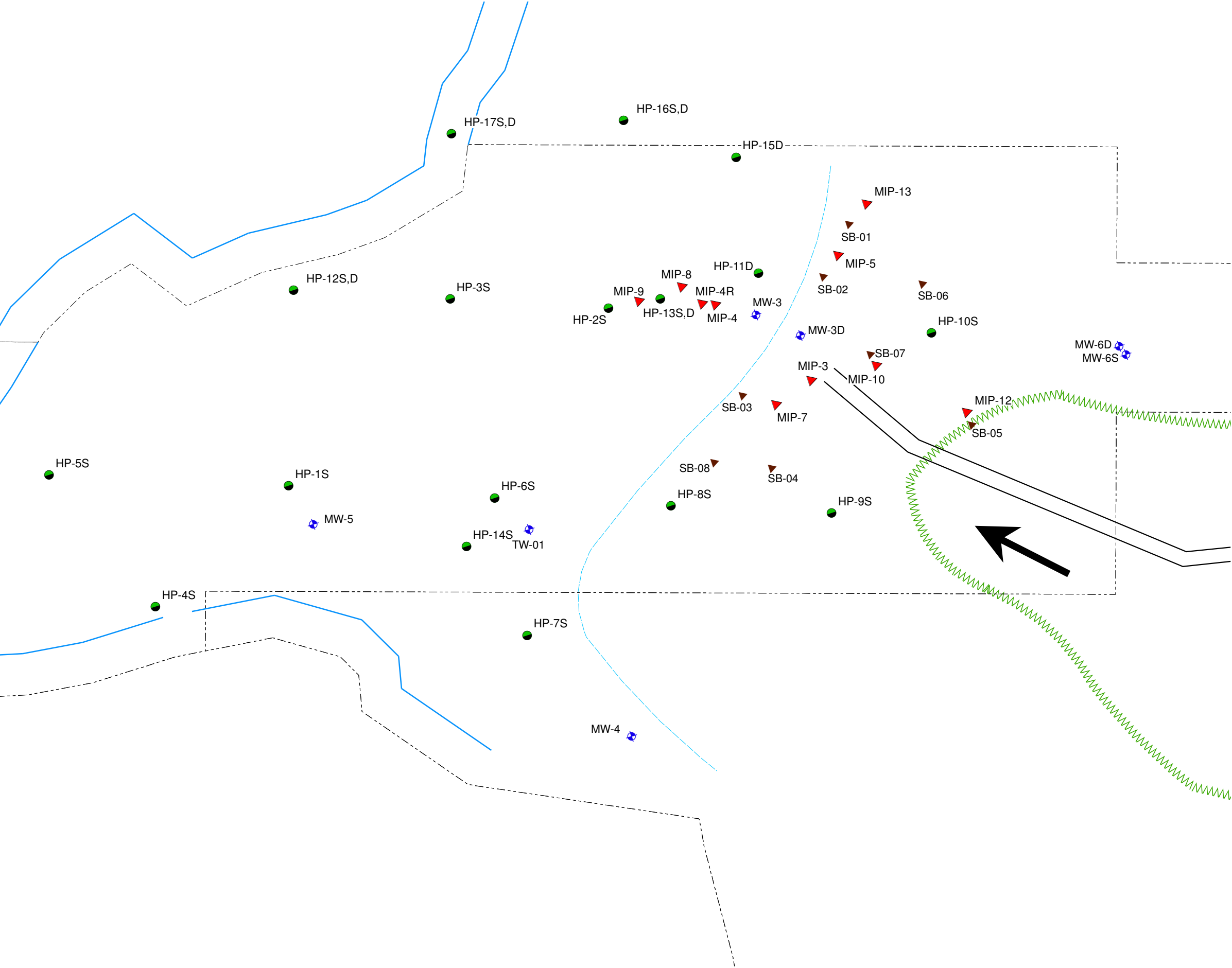
- ▲ MEMBRANE INTERFACE PROBE
- HYDROPUNCH
- ⊕ MONITORING WELL
- ▲ SOIL BORING
- PROPERTY LINE
- EDGE OF WATER/POND
- ~ TREE LINE
- ← APPROXIMATE DIRECTION OF GROUND WATER FLOW (SEPTEMBER 7, 2007)

KRUTULIS PROPERTY  
KIRKVILLE, NEW YORK

SOIL BORING AND  
MONITORING WELL  
LOCATIONS



NOVEMBER 2007  
2874.40312



I:\DIV58\Projects\2874-BMS\40312\Docs\DWG\GIS\MXD\NEW\_SBs\_MWDataBox.mxd

PLOT DATE: 10/19/07 DIV. 71 DJC

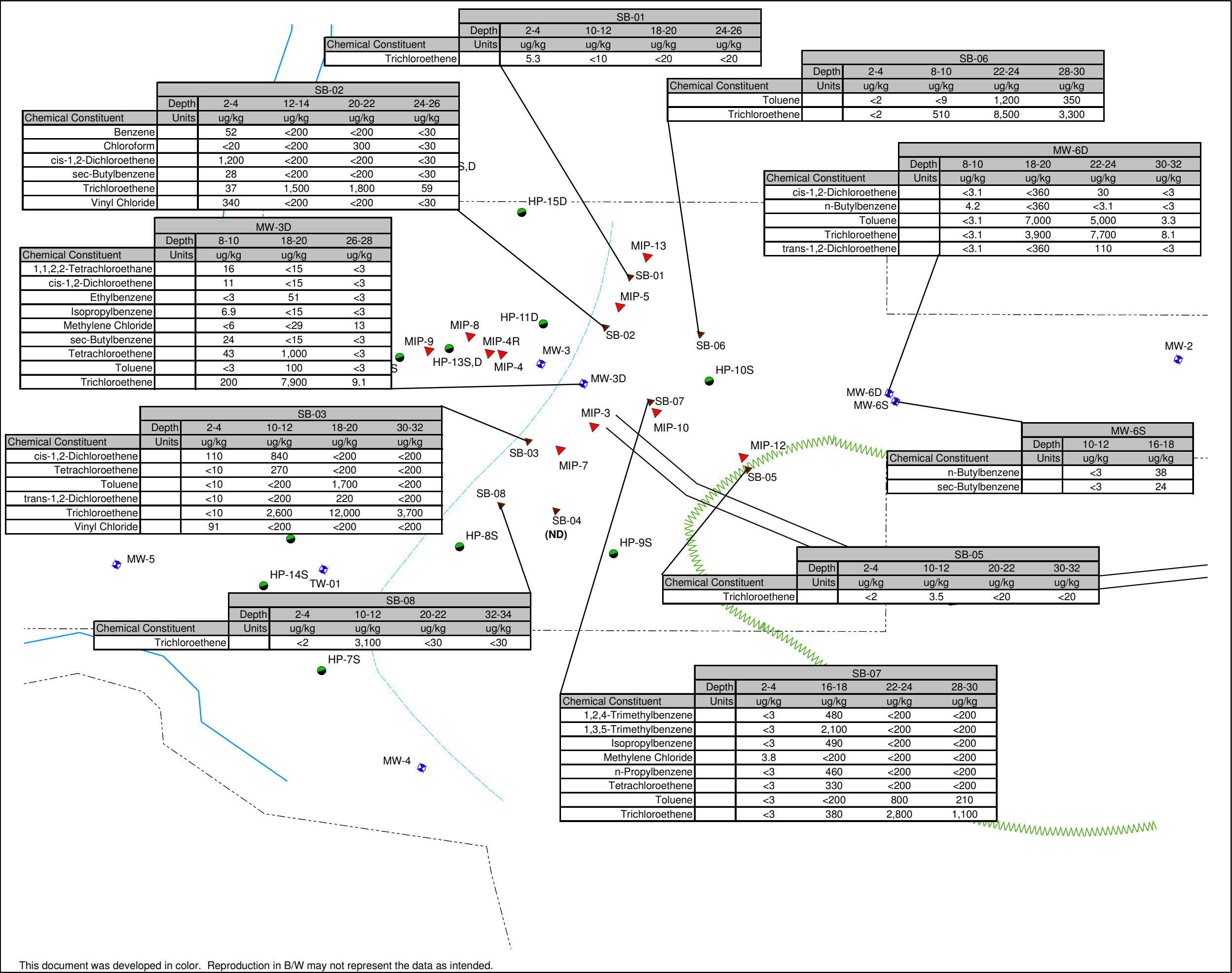


FIGURE 3

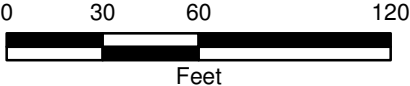


LEGEND

- ▲ MEMBRANE INTERFACE PROBE
- HYDROPUNCH
- ◆ MONITORING WELL
- ▲ SOIL BORING
- PROPERTY LINE
- EDGE OF WATER/POND
- ~~~~~ TREE LINE

KRUTULIS PROPERTY  
KIRKVILLE, NEW YORK

DETECTED VOCs IN  
SOIL SAMPLES



OCTOBER 2007  
2874.40312



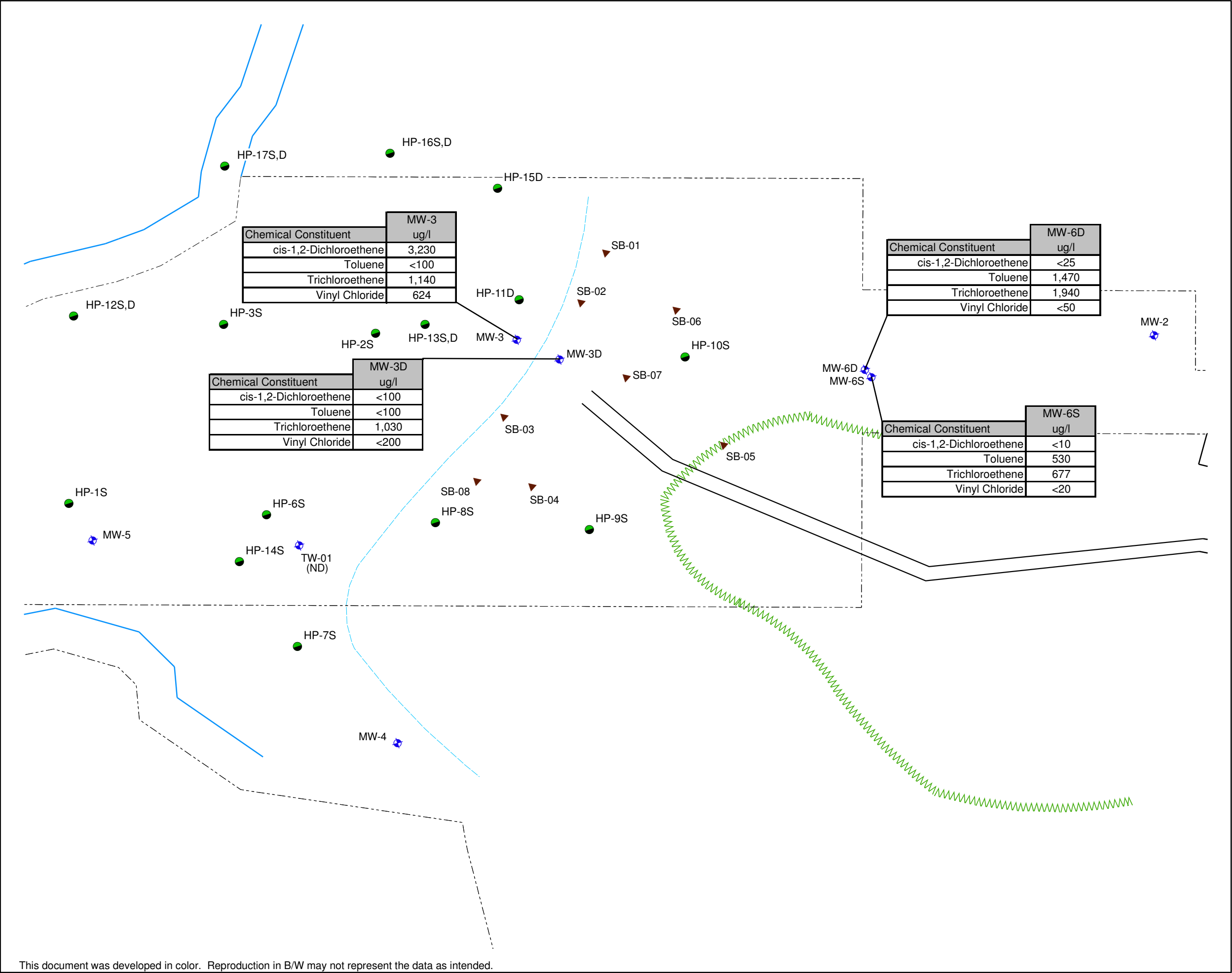


FIGURE 4

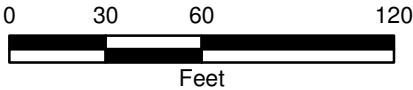


LEGEND

- HYDROPUNCH
- ⬢ MONITORING WELL
- ▲ SOIL BORING
- - - PROPERTY LINE
- EDGE OF WATER/POND
- 〰 TREE LINE

KRUTULIS PROPERTY  
KIRKVILLE, NEW YORK

DETECTED VOCs IN  
GROUND WATER  
SAMPLES



OCTOBER 2007  
2874.40312



## **Appendix A**

### **Soil Boring Logs**



O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb						Sampler: 2" split spoon		Location: Kirkville, NY			
Proj. Loc: Kirville, NY						Hammer: 150 lbs drop		Page: 1 of 2			
File No.:						Fall: 30"		Start Date: 09-27-07			
Boring Company: Parratt-Wolff								End Date: 09-27-07			
Foreman: Jalaan Brice								Screen = 1			
OBG Geologist: Paul Freyer								Grout Sand Pack Bentonite			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
0		2	3-3 3-4	2/1.4	6	0-6 Dugky Yellowish Brown (10 YR 2/2) damp, firm f. sand and silt, trace clay plant fragments roots	Silt-Sand loam		2.0	1218	
						0-8 Yellowish Brown (10 YR 5/2) damp to saturated, f. sand, little silt.					
2		4	5-2 2-2	2/1.5	4	1.5' SAA	Analyst Samp		0.6	1220	
4		6	2-3 4-4	2/1.2	7	1.0 SAA			0.5	1226	
						0.2 Moderate Yellowish Brown (5YR 5/4)					
6		8	2-2 3-2	2/1.2	5	0.2 SAA	Fine Sand Silt		0.8	1228	
						1.0' Grayish Brown (5YR 4/2) saturated, loose f. sand, little silt.					
8		10	2-2 2-3	2/1.3	4	1.3' SAA			1.5	1230	
10		12	W-W 1-2	2/0.8	1	0.8' SAA	Analyst Samp		2.1	1236	
12		14	2-3 2-1	2/1.3	5	1.3' SAA			1.7	1238	
14		16	W-W W-W	2/0.4	4	0.4' SAA			1.2	1243	
16		18	W-W 2-1	2/1.0	2	1.0' Grayish Brown (5YR 4/2) saturated, f. sand, little silt, laminations,			0.6	1246	
18		20	2-4 4-6	2/1.2	8	1.2 SAA	Analyst Samp		1.3	1249	
20		22	W-W W-W	2/0.6	4	0.6 SAA			1.1	1253	
22		24	2-2 2-2	2/1.5	4	1.5' Grayish Brown (5YR 4/2) saturated loose, f. sand, little silt.			0.9	1255	
						one 315" layer of FM sand					

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Split Spoon Hammer: 150 lbs Drop		Location: Kirkville, NY Page: 2 of 2 Start Date: 9-27-07 End Date: 9-27-07			
File No.:						Fall: 30"		Screen = Riser =			
Boring Company: Parratt-Wolff Foreman: Jolaan Brice OBG Geologist: Paul Freyer								Grout Sand Pack Bentonite			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	PID (ppm)	Time (hhmm)	
24		26	W-W 10-10	2/1.0	10	0.2' SAA 0.6' Grayish Red (10 R 4/2) saturated loose FM Sand, little silt, trace FN gravel, 0.2' Grayish Red (10 R 4/2) damp dense, FMC gravel in a matrix of	FD Analyst Sample Re-worked Till Till		101	1303	
26		26.8	30-50/6" 2/0.8	750		0.8 SAA Refusal @ 26.8'			1.3		

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" split spoon Hammer: 150 lbs drop		Location: Kirville, NY Page: 1 of 2 Start Date: 09-27-07 End Date: 09-27-07			
File No.:						Fall: 30"		Screen = <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> Riser <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>			
Boring Company: Parratt-Wolff Foreman: Jolaan Bice OBG Geologist: Paul Freyer								Grout Sand Pack Bentonite			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change	Equip. Installed	Field Testing		
General	Descript								PID (ppm)	Time (hhmm)	
0		2	W-W 2-3	2/0.5	2	0.2 Dusk Yellowish Brown (10YR 2/2) damp, loose/soft. F. Sand, silt. Plant fragments, roots 0.3  strong chemical odor			21.9	1345	
2		4	5-7 5-5	2/1.8	12	0.2' SAA 1.6' Dark Yellowish Brown (10YR 4/2) wet, saturated loose F. Sand, little silt. Shined dark Gray (NS) at top 1". chemical odor	Analyst sample		15.1	1347	
4		6	2-4 2-3	2/1.0	6	1.0' SAA, No staining chemical odor			3.9	1353	
6		8	2-3 4-4	2/1.4	7	0.4' SAA 1.0' Grayish Brown (5YR 4/2) saturated, loose, F. Sand, little silt.			2.8	1356 1358	
8		10	2-2 2-2	2/1.7	4	1.7' Grayish Brown (5YR 4/2) saturated, loose, F. Sand, little silt.			4.6	1400	
10		12	W-W W-W	2/1.2	4	1.2' SAA			5.1	1414	
12		14	4-4 2-4	2/1.4	6	1.4' SAA	Analyst sample		19.1	1416	
14		16	W-W W-W	2/0	4	NO RECOVERY				1421	
16		18	W-W 2-4	2/1.4	2	1.4' Grayish Brown (5YR 4/2) saturated, loose, F. Sand, little silt.			2.9	1424	
18		20	2-2 2-2	2/1.1	4	1.1' SAA w/ two 0.125" Grayish Red (10R 4/2) F. Sand and silt, trace clay bands.			2.4		
20		22	W-W W-W	2/0.6	4	0.6' SAA no bands of silt/sand/clay	Analyst sample		6.1	1432	
22		24	2-2 2-3	2/1.5		1.5' SAA			0.0	1435	
D+W = 3'											

[illegible]

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" split spoon Hammer: 150 lbs drop		Location: Kirville, NY Page: 1 of 2 Start Date: 09-26-07 End Date: 09-26-07			
File No.:						Fall: 30"		Screen = <input type="checkbox"/> <input checked="" type="checkbox"/> 1 Riser <input type="checkbox"/> <input checked="" type="checkbox"/> Grout Sand Pack Bentonite			
Boring Company: Parratt-Wolff Foreman: John Brice OBG Geologist: Paul Freyer											
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
0		2	2-5 3-2	2/1.0	8	0.5' Brownish Black (SYR 2/1) moist, Silt and fine sand, trace clay. Plant fragments, roots.	Silty Loam		1.2	0754	
						0.5' Pale Yellowish Brown (10YR 6/2) Moist, soft, silt, little clay, trace fine sand, few light brown (SYR 5/4) mottling					
2		4	2-2 2-3	2/1.2	4	0.2' SAA 0.5' olive gray (SYR 4/1) moist - Saturated silt, little clay and fine sand	Silt and Analyst Clay Sample		3.2	0800	
4		6	W-1 1-1	2/1.1	2	0.6' SAA 0.5' Brownish Gray (SYR 4/1) Saturated, loose, F. Sand, little silt. Few Moderate Brown SYR 4/4 mottles			2.1	0807	
6		8	1-1 2-3	2/1.5	3	1.5' Brownish Gray (SYR 4/1) saturated, loose F. Sand, little silt. Some fine laminations			1.9	0809	
8		10	3-2 2-2	2/1.2	4	1.2' SAA	F. Sand Silt		0.9	0812	
10		12	3-2 1-2	2/1.5	3	1.5' SAA	Analyst Sample		3.8	0821	
12		14	2-2 4-3	2/1.5	6	1.5' SAA			2.4	0824	
14		16	2-3 2-2	2/1.2	5	1.2' SAA			5.2	0834	
16		18	2-1 1-1	2/1.5	2	1.5' SAA			7.3	0837	
18		20	W-W 1-1	2/1.5	1	1.5' SAA	Analyst Sample		8.2	0839	
20		22	W-W 1-2	2/0.5	1	0.5' SAA			2.9	0847	
22		24	3-2 2-2	2/1.2	4	1.2' SAA			6.0	0849	

[illegible]

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Split Spore Hammer: 150 lbs drop		Location: Kirville, NY Page: 1 of 2 Start Date: 09-25-07 End Date: 09-25-07			
File No.:						Fall: 30"		Screen = <input type="checkbox"/> <input checked="" type="checkbox"/> 1 Riser <input type="checkbox"/> <input checked="" type="checkbox"/> Grout Sand Pack Bentonite			
Boring Company: Parratt-Wolff Foreman: John Brice OBG Geologist: Paul Freyer											
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm) Time (hhmm)		
0		2	2-2 1-2	2/1.1	3	0.5' Dark Yellowish Brown (10YR 4/2) damp, loose/soft, fine sand, little silt, plant fragments/roots	Silty sand Loam		0.0	1256	
2		4	4-4 4-3	2/1.4	8	0.6' Light Brown (5YR 5/6) damp, fine sand, little silt			0.0	1259	
4		6	3-3 1-1	2/1.2	4	1.4' Moderate Brown (5YR 4/4) damp to saturated, loose, f. sand, little silt.			0.0	1312	
6		8	1-1 1-1	2/0.9	2	0.9' Dark Yellowish Brown (10YR 4/2) saturated, loose, f. sand, little silt.			0.0	1314	
8		10	W-W W-W	2/1.5	4	1.5' SAA	Sand/ silt		0.0	1320	
10		12	W-W W-W	2/0	4	No Recovery			—	1325	
12		14	2-1 6-4	2/1.5	7	1.5' SAA			0.0	1327	
14		16	W-W 1-1	2/1.2	1	1.2' SAA			0.0	1339	
16		18	1-2 1-1	2/1.5	3	0.3' SAA 1.2' Pale Grayish Brown (5YR 4/2) saturated, loose, f. sand, little silt. Few thin laminations			0.0	1341	
18		20	2-3 4-3	2/1.2	7	1.2' SAA			0.0	1344	
20		22	W-W W-W	2/1.0	4	1.0' SAA			0.0	1355	
22		24	V-W W-1	2/1.5	4	1.5' SAA			0.0	1358	

02  
10-12  
20-22  
32-34

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Split Spoon Hammer: 150 lbs JSP		Location: Kirkville, NY Page: 2 of 2 Start Date: 09-25-07 End Date: 09-25-07			
File No.:						Fall: 30"		Screen = 1 Riser = 1 Grout Sand Pack Bentonite			
Boring Company: Parratt-Wolff Foreman: John Brice OBG Geologist: Paul Freyer						Stratum Change General Descript		Equip. Installed		Field Testing PID (ppm) Time (hhmm)	
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description					
24		26	2-2 2-2	2/1.5	4	1.5' SAA				0.1	1410
26		28	4-4 5-6	2/1.3	9	1.3' SAA		Fine Sand/ Silt		2.8	1413
28		30	2-4 4-6	2/1.7	8	1.7' Pale Grayish Brown (SR 4/2) Saturated, loose, F. sand, little silt.				0.1	1415
30		32	10-10 6-2	2/0.8	6	0.8' SAA				2.8	1423
32		34	2-4 6-2	2/1.4	10	1.35' SAA 0.05' Grayish Red (SR 4/2) loose Saturated, Silt, Fine Sand, trace Clay, F. gravel		FD Analyst Samp		0.3	1425
34		34.6	70/0.6	0.6/0.5	270	0.5' Grayish Red (SR 4/2) Moist, extremely dense, MC sand and F. gravel in silt w/ trace of clay matrix. — End of Boring —		Till		0.5	1435



O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Split spoon Hammer: 150 lbs drop		Location: Kirkville, NY Page: 1 of 2 Start Date: 09-28-07 End Date: 09-28-07			
File No.:						Fall: 30"		Screen = <input type="checkbox"/> 1 Riser <input type="checkbox"/> <input type="checkbox"/> Grout Sand Pack Bentonite			
Boring Company: Parratt-Wolff Foreman: JoJoan Brice OBG Geologist: Paul Freyer						Stratum Change		Equip. Installed		Field Testing	
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	General Descript			PID (ppm)	Time (hhmm)
0		2	2-2 2-3	2/1.3	4	0.4' Dusky Yellowish Brown, (10YR 2/2) damp to moist, F. Sand and silt, trace clay. Plant fragments, roots. 0.9' Light Brown (5YR 5/6) moist, loose F. Sand, silt.				0.0	0837
2		4	2-4 3-5	2/1.4	7	1.4' Moderate Brown (5YR 4/4) moist to saturated, F. Sand, silt.	Analyst Samp.			0.0	0840
4		6	W-2 2-1	2/1.1	4	0.6' Moderate Brown (5YR 4/4) saturated loose, F. Sand, little silt, grading to 0.6' Moderate Yellowish Brown (10YR 5/4) sat. loose, F. Sand, little silt.	DTW 3.5'			0.0	0847
6		8	W-W 2-5	2/1.4	2	1.4' SAA				0.0	0849
8		10	3-7 3-3	2/1.5	5	1.0' SAA grading to ... 0.5' Grayish Brown (5YR 4/2) saturated loose F. Sand, little silt, few laminations (thin)				0.0	0852
10		12	W-W 2-2	2/0.7	2	0.7' SAA	Analyst Samp.			0.0	0900
12		14	1-3 2-2	2/0.8	5	0.8' SAA				0.0	0903
14		16	1-1 1-1	2/1.1	2	1.1' SAA				0.0	0911
16		18	W-W 1-1	2/1.6	1	1.0' SAA 0.6' Grayish Brown (5YR 4/2) saturated, loose/soft, silt, some F. Sand trace little clay.				0.0	0914
18		20	2-3 2-2	2/0.9	5	0.3' SAA 0.6' Grayish Brown (5YR 4/2) saturated, loose F. Sand, little silt				0.0	0919
20		22	W-W W-W	2/0.4	4	0.4' SAA	Analyst Samp			0.0	0929
22		24	W-W 2-1	2/1.3	2	1.3' SAA few very thin clay laminations				0.0	0931
DTW = 3.5'											

## SOIL BORING LOG

## REPORT OF BORING

O'BRIEN &amp; GERE ENGINEERS, INC.

SB-05

Client: Bristol-Myer-Squibb  
Proj. Loc: Kirville, NYSampler: 2" Split spoon  
Hammer: 150lbs dropLocation: Kirville, NY  
Page: 2 of 2

File No.:

Fall: 30"

Start Date: 9-28-07  
End Date: 1-28-07

Boring Company: Parratt-Wolff

Foreman: Jason Brice

OBG Geologist: Paul Freyer

Screen = ☐ Grout  
Riser ☐ Sand Pack  
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing	
									PID (ppm)	Time (hhmm)
24		26	2-2 3-4	2/1.1	4	1.1' Grayish Brown (5YR 4/2) Sat., loose, F. Sand, little silt				0943
26		28	3-4 4-5	2/1.3	8	1.3' SAA, w/ one 3" layer of FM sand, little silt. Two Grayish Red (10R 4/2) F. Sand and Clayey Silt 0.25" laminations				0946
28		30	4-4 5-4	2/1.5	9	1.5' Grayish Brown (5YR 4/2) Sat. loose, F. Sand, little silt (3) 0.25" Grayish Red (10R 4/2) F. Sand and Clayey Silt laminations				0948
30		32	W-4 9-28	2/1.1	9	0.4' SAA 0.5' Grayish Red (10R 4/2) saturated loose, F. Sand, trace silt, trace F. Gravel 0.2' Grayish Red (10R 4/2) damp. v. dense, FM gravel subangular to subrounded w/ matrix of clayey silt and F. Sand 0.8' SAA				0957
32		33.4	28-30 50/0.4	1.4/0.8'	780					1002
						Refusal @ 33.4 lbs				

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Split spoon Hammer: 150lbs Drop		Location: Kirkville, NY Page: 1 of 2 Start Date: 09-27-07 End Date: 09-27-07			
File No.:						Fall: 30"		Screen = <input type="checkbox"/> 1 Riser <input type="checkbox"/> <input type="checkbox"/> Grout Sand Pack Bentonite			
Boring Company: Parratt-Wolff Foreman: Jolan Brice OBG Geologist: Paul Freyer											
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
0		2	2-2 3-2	2/1.0	5	0.2' Dark Yellowish Brown (10YR 4/2) damp, loose, F. Sand and silt, trace clay. 0.3' Pale Yellowish brown, loose F. Sand and silt. 0.5' Moderate brown F. Sand and silt.			0.0	0800	
2		4	2-3 7-5	2/1.5	10	0.3' SAA 1.2' Pale Yellowish brown (10YR 6/2) dry to damp, F. Sand, little silt.			0.0	0804	
4		6	4-6 4-3	2/1.2	10	1.0' SAA w few Moderate brown Mottles 0.2' Olivegray (5Y 4/1) damp to saturated, F. Sand, little silt.			0.9	0822	
6		8	2-3 4-3	2/1.2	7	1.2' SAA			6.5	0825	
8		10	1-4 4-3	2/2.0	8	1.7' SAA 0.3' Grayish Brown (5YR 4/2) saturated, loose, F. Sand, little silt, few thin laminae.			17.2	0827	
10		12	1-1 2-1	2/1.0	3	1.0' SAA			0.0	0835	
12		14	1-2 2-1	2/1.8	4	1.8' SAA			0.0	0837	
14		16	W-W W-W	2/0	<1	No Recovery			-	0845	
16		18	2-1 1-1	2/1.7	2	1.7' Grayish Brown (5YR 4/2) saturated, loose, F. Sand, little silt, few laminae.			9.6	0847	
18		20	W-W W-W	2/1.9	<1	1.9' SAA			9.5	0850	
20		22	W-W W-W	2/0.7	<1	0.7' SAA			6.2	0903	
22		24	W-W 2-3	2/1.6	2	1.6' Grayish Brown (5YR 4/2) saturated, loose, F. Sand, little silt, few very thin laminae (D. Gray)			23.1	0906	
24		26	3-3 8-8	2/1.2	11	1.2' SAA w/ one 2" longer w/ branches.			10.0	0911	

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Spl.+spoon Hammer: 150lbs drop		Location: Kirkville, NY Page: 2 of 2 Start Date: 09-27-07 End Date: 09-27-07			
File No.:						Fall: 30"		Screen = <input type="checkbox"/> Riser <input type="checkbox"/>			
Boring Company: Parratt-Wolff Foreman: Joluan Brice OBG Geologist: Paul Freyer								Grout <input type="checkbox"/> Sand Pack <input type="checkbox"/> Bentonite <input type="checkbox"/>			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
26		28	10-9 8-8	2/1.4	17	1.4' Grayish Brown (SR 4/2) saturated, Loose, F sand, little silt, trace clay. Few d. Gray silt laminations.	Analyst Samp.		PID (ppm)	Time (hhmm)	
28		30	6-6 8-5	2/1.6	14	1.6' Grayish Brown (SR 4/2) Saturated, loose, F Sand little silt. (3) Grayish Red 0.1-0.5" silty clay laminations.					
30		32	W-W 14-50/6"	2/1.1		0.5' SAA w/ no laminations 0.6' Grayish Red (SR 4/2) Moist to damp, V. dense, FMC subangular to subrounded gravel in a matrix of clayey silt w/ little f. sand.					
						BOB @ 321					

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING SB-07			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Spl. + Spoon Hammer: 180 lbs drop		Location: Kirkville, NY Page: 1 of 2 Start Date: 09-26-07 End Date: 9-26-07			
File No.:						Fall: 30"		Screen = <input type="checkbox"/> Riser <input type="checkbox"/> Grout <input type="checkbox"/> Sand Pack <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/>			
Boring Company: Parratt-Wolff Foreman: Jody Brice OBG Geologist: Paul Freyer											
Depth Below Grade	No.	Depth (feet)	Blows /ft	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
0		2	4-2 2-1	2/1.2	4	0.3' Pale Yellowish Brown (10YR 6/4) dry loose, fine sand, some silt. 0.9' moderate brown (5YR 4/4) dry to moist, loose, F. sand, little silt.			1.3	1229	
2		4	3-3 2-3	2/1.5	5	1.5' Moderate Brown (5YR 4/3) moist to saturated, F. sand, little silt, trace clay.	3.3' analyst samp		1.4	1229	
4		6	3-3 2-2	2/1.0	5	1.0 SAA			4.3	1235	
6		8	3-1 2-3	2/1.2	3	1.2' Yellowish Brown (10YR 5/2) saturated, loose, <sup>laminated</sup> F. sand, little silt.	Fine sand/ silt		5.4	1237	
8		10	2-4 3-3	2/1.0	7	1.0' SAA			6.3	1240	
10		12	w-w 2-2	2/1.3	2	1.3' SAA			4.2	1249	
12		14	2-2 2-2	2/1.0	4	1.0' Dark			4.9	1251	
14		16	w-w 2-4	2/1.0	2	1.0' Brownish Gray (5YR 4/1) saturated, F. sand, little silt.			5.3	1300	
16		18	3-1 w-w	2/1.6	1	1.6' SAA	MS/ MSD Analyst samp		7.1	1305	
18		20	w-w 1-1	2/1.5	1	1.5' SAA			3.3	1308	
20		22	w-w w-w	2/0	4	No Recovery			-		
22		24	w-w 2-1	2/1.0	2	1.0' Brownish Gray (5YR 4/1) saturated, loose, F. sand, little silt (laminated).	Analyst samp		14.9	1317	

[illegible]

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb						Sampler: 2" Split Spoon		Location: Kirkville, NY			
Proj. Loc: Kirville, NY						Hammer: 150 lbs Drop		Page: 1 of 2			
File No.:						Fall: 30"		Start Date: 09-25-2007			
Boring Company: Parratt-Wolff								End Date: 09-25-2007			
Foreman: Jolaan Bruce								Screen = 1			
OBG Geologist: Paul Freyer								Riser = 1			
								Grout			
								Sand Pack			
								Bentonite			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
0		2	2-4 4-6	2/0.8	8	0.5' Dusky yellowish Brown (10YR 4/2) damp, f. Sand and silt, trace Clay and M. Sand. Roots, Plant Fragments.	Silty Sand Loam		11.5	0802	
2		4	5-8 8-7	2/1.1	11	0.3' Dark Yellowish Brown (10YR 4/2) damp, f. Sand and silt					
						1.1' Dark Yellowish Brown (10YR 4/2) damp to saturated, very loose, f. Sand. Some silt.	3.0'		11.1	0805	
4		6	5-5 3-3	2/1.0	9	1.0 SAA			7.9	0820	
6		8	3-4 6-6	2/1.8	10	1.8 Dark Yellowish Brown (10YR 4/2) Saturated, loose, f. Sand, little silt.			13.6	0827	
8		10	3-3 5-2	2/1.5	9	1.5' SAA	Fine Sand/silt		6.0	0832	
10		12	W-3 2-2	2/0.5	5	0.5' Pale Grayish Brown (5YR 4/2) saturated, loose, Fine sand, little silt, trace Med Sand.			10.2	0838	
12		14	2-3 5-2	2/1.8	8	1.8' SAA			11.4	0841	
14		16	W-W 1-2	2/1.0	1	1.0' SAA			6.5	0906	
16		18	2-1 2-1	2/1.4	3	1.6' SAA			2.9	0907	
18		20	1-2 2-4	2/1.25	4	1.25' Pale Grayish Brown (5YR 4/2) saturated, loose, f. Sand, little silt.			5.3	0909	
20		22	2-1 1-1	2/1.2	2	1.2' SAA			9.1	0920	

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Split spoon Hammer: 150 lbs. drop		Location: Kirkville, NY Page: 2 of 2 Start Date: 09-25-07 End Date: 09-25-07			
File No.:						Fall: 30"		Screen = <input type="checkbox"/> <input checked="" type="checkbox"/> Riser <input type="checkbox"/> <input checked="" type="checkbox"/> Grout <input type="checkbox"/> <input checked="" type="checkbox"/> Sand Pack <input type="checkbox"/> <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> <input checked="" type="checkbox"/>			
Boring Company: Parratt-Wolff Foreman: Nolan Brice OBG Geologist: Paul Freyer											
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
22		24	1-W W-W	2/1.0	<1	1.0' SAA			6.2	0924	
24		26	W-W W-W	2/1.0	<1	1.0' SAA	Fine sand and silt		8.8	0956	
26		28	2-2 2-2	2/1.2	4	1.2' SAA			4.8	0958	
28		30	3-3 4-4	2/1.8	7	1.8' Pale grayish brown (SYR 4/2) saturated, loose, F. sand, little silt.	MS/MSD		5.1	1008	
30		32	W-W W-W	2/1.5	<1	1.5' SAA	Fine sand and silt		5.5	1013	
32		34	3-3 G-5	2/1.5	9	1.5' SAA			3.5	1015	
34		34.8	30-36 0.8/0.8	0.8/0.8	>50	0.3' SAA 0.5' Grayish Red (10 R 4/2), Moist Extremely dense, FM gravel (subrounded) in a matrix of silt, little clay, trace fine sand	Till		2.3	1027	



O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: Bristol-Myer-Squibb Proj. Loc: Kirville, NY						Sampler: 2" Split Spoon Hammer: 160 lbs drop Fall: 30"		Temp Well Location: Kirville, NY Page: 1 of 2 Start Date: 09/24/07 End Date: 09/24/07			
Boring Company: Parratt-Wolff Foreman: Jolan Brice OBG Geologist: Paul Freyer						Screen = <input type="checkbox"/> Riser <input type="checkbox"/>		Grout <input type="checkbox"/> Sand Pack <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/>			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
0	1	2	WOH Wolt	2/1.1'	<1	1.1' Olive Gray (SY 3/1), Saturated, very soft, silt, little fine sand, little clay. Plant fragments roots			1.3	1305	
2	2	4	1-1 1-1	2/1.25'	2	1.25' Olive gray (SY 4/1) saturated, very soft, silt, little F. Sand, some clay. root fragments. few light olive brown (SY 5/6) oxides.			0.0	1307	
4	3	6	WOH-1 2-1	2/1.25	3	1.25' Olive Gray (SY 4/1) saturated v. soft, silt, little F. Sand, little clay. Plant fragments, leaf litter some shells fragments.			0.0	1335	
6		8	W-W W-W	2/1.5	<1	1.5' Olive Gray (SY 4/1) Saturated v. soft, silt, little fine sand, little clay. some shell fragments trace pla		R I S e r	0.0	1338	
8		10	W-W W-W	2/0.2	<1	0.2' olive Gray (SY 4/1) moist very soft clay, trace silt. trace shell fragments			0.0	1341	
10		12	W-W W-W	2/1.2	<1	0.2' SAA increasing silt content 1.0' Olive Gray (SY 4/1) Saturated		S g d	1.3	1350	
12		14	W-W W-W	2/1.0	<1	1.0' Olive Gray SY 4/1, Saturated v. soft, silt, trace clay trace fine sand, trace shell fragments and plant material			0.0	1353	
14		16	W-W W-W	2/1.0	<1	1.0' SAA			0.0	1400	
Water Surface -1.0 ft bgs											

oil well

[illegible]

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: BMS						Sampler: 2" Split-Spoon		Location: MW-3D			
Proj. Loc: Knutkus Property						Hammer: 150lbs Drop		Page: 1 of 2			
File No.:						Fall: 30"		Start Date: 10-2-07			
Boring Company: Parratt-Wolff						Screen		End Date: 10-2-07			
Foreman: Jolaan Brice						Riser		Grout			
OBG Geologist: Paul Freyer								Sand Pack			
								Bentonite			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
0		2	1-2 2-2	2/1.0	4	0.8' Dusky Yellowish brown (10YR 7/2) damp to moist, loose/soft, F. Sand, silt trace to little clay. Plant fragments, roots.			1.2	0922	
						0.2' Pale Yellowish Brown (10YR 6/2) moist loose, F. Sand, little silt, trace clay					
2		4	5-6 7-5	2/1.6	13	0.4' SAA, moist to saturated	2.5' D		0.9	0925	
						1.2' Dark Yellowish Brown (10YR 4/2) saturated, loose, F. Sand, little silt. Root, few moderate Brown (5YR 4/4) mottles.					
4		6	1-W W-W	2/1.4	4	1.4' SAA			0.4	0938	
6		8	2-2 2-2	2/1.0	4	1.0' SAA			3.9	0941	
8		10	2-2 4-3	2/1.3	6	1.3' Dark Yellowish Brown (10YR 4/2) saturated, loose, F. Sand, little silt. Slight chemical odor	AS		10.7	0943	
10		12	W-W 1-1	2/0	1	No Recovery			-	0952	
12		14	2-2 2-3	2/1.2	4	1.2' Grayish Brown (5YR 4/2) saturated, loose, F. Sand, little silt. No odor.			11.5	0955	
14		16	W-W W-1	2/0.3	4	0.3' SAA, poor Recovery			4.5	1004	
16		18	W-W W-W	2/1.8	4	1.8' SAA			30.3	1007	
18		20	W-W W-1	2/1.7	4	1.5' SAA	AS		109	1009	
						0.2' Grayish Brown (5YR 4/2) saturated loose/soft, F. Sand and silt, little clay.	MS/MSD				
20		22	W-W 2-2	2/1.0	2	1.0' Grayish brown (5YR 4/2) saturated loose, F. Sand, little silt.			33.9	1204	
22		24	W-2 2-2	2/1.7	4	1.7' SAA			52.1	1207	

[illegible]

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: BMS Proj. Loc: Koutulis Property						Sampler: 2" Split-Spoon Hammer: 150lbs Drop		Location: MW-065			
File No.:						Fall: 30"		Page: 1 of 1 Start Date: 10-1-07 End Date: 10-1-07			
Boring Company: Parratt-Wolff Foreman: Jolaan Brice OBG Geologist: Paul Freyer						Screen Riser		Grout Sand Pack Bentonite			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
0		2	2-2 2-2	2/1.7	4	0.2' Dusky yellowish Brown (CLAY 2/2) damp, loose, F Sand, silt, trace clay, plant fragments, roots	Sand-Silt Loam		19.7	1343	
						1.5 Yellowish Brown (10YR 5/2) damp loose, F Sand, little silt.	F Sand - Silt				
2		4	3-5 7-7	2/1.5	12	0.5' Grayish Red (5R 4/2), damp loose, FMC Sand, F gravel, little silt, trace clay. 1.0' Yellowish Brown (10YR 5/2) damp to moist, F Sand, little silt.	Sand - Gravel		7.8	1346	
4		6	2-3 3-4	2/0	6	No Recovery	F Sand Silt		272	1350	
6		8	2-3 3-1	2/1.3	6	1.3' Yellowish Brown (10YR 5/2) saturated loose, F Sand, little silt. Chemical odor			136	1353	
8		10	W-2 2-3	2/1.2	2	1.2' Yellowish Brown (10YR 5/2) to Dark Yellowish Brown (10YR 4/2), Saturated loose, F Sand, little silt. Bright Sheen, Chemical odor			186	1355	
10		12	W-2 3-4	2/0.5	5	0.5' Dark Yellowish Brown (10YR 4/2) Saturated, loose, F Sand, little silt. Faint Sheen, Chemical odor	AS F Sand - Silt		2172	1412	
12		14	2-3 3-4	2/1.2	6	1.2' SAA Faint Sheen Chemical odor			254	1414	
14		16	2-3 3-4	2/1.7	6	1.7' SAA Chemical odor			297	1419	
16		18	2-3 4-3	2/1.8	7	1.8' SAA Chemical odor	AS		1141	1507	
18		20	2-3 1-1	2/1.7	4	1.7' SAA Chemical odor			1060	1509	
20		22	W-W W-W	2/0.4	4	0.4' Grayish Brown (5YR 4/2) Saturated, loose/soft, Silt, F Sand, trace to little clay.			8.6	1514	

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client:						Sampler: 2" Split-Spoon		Location: MW-06D			
Proj. Loc:						Hammer: 150lbs Drop		Page: 1 of 2			
File No.:						Fall: 30"		Start Date: 10-1-07			
Boring Company: Parratt-Wolff						Screen		Grout			
Foreman: Jolaan Brice						Riser		Sand Pack			
OBG Geologist: Paul Freyer								Bentonite			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change	Equip. Installed	Field Testing		
Grade							General Descript		PID (ppm)	Time (hhmm)	
0		2	1-2 2-3	2/1.2	4	1.2' Yellowish Brown (10YR 5/2), damp loose, F. Sand, silt.			2.8	0859	
2		4	2-2 3-4	2/1.2	5	1.2' SAA			3.6	0858	
4		6	2-3 2-2	2/1.5	5	1.5 SAA, damp to saturated. Slight chemical odor			3.0	0908	
6		8	1-2 2-2	2/1.4	4	1.4' Dark Yellowish Brown (10YR 4/2) saturated loose, F. sand, little silt. Slight chemical odor			81.8	0910	
8		10	W-W 2-4	2/1.8	2	1.8' SAA, slight chemical odor	AS		548	0913	
10		12	W-W 2-3	2/0.6		0.6' SAA, w/ few very thin laminations	Fine Sand - Silt		427	0920	
12		14	2-2 3-3	2/1.7	5	1.7' Dark Yellowish Brown (10YR 4/2) Saturated, loose, F. sand, little silt, trace clay.			165		
14		16	2-3 2-3	2/1.2	5	1.2' Dark Yellowish Brown (10YR 4/2) Saturated, loose, F. sand, little silt. Chemical odor, faint sheen			267	0928	
16		18	4-3 2-2	2/0.5	5	0.5 SAA chemical odor			155	0930	
18		20	1-1 1-1	2/1.3	2	1.1' SAA, slight chemical odor. 0.2' Grayish Brown (5YR 4/2) sat. loose F. sand, little silt. Chemical odor	AS		634	0932	
20		22	W-W 2-1	2/0.5	2	0.5' SAA, Bright sheen in water chemical odor			288	0947	
22		24	W-W 2-2	2/1.0	2	1.0' Grayish Brown (5YR 4/2) saturated loose, F. sand, little silt, laminated. one 1" layer F. sand and silt, trace clay. Chemical odor faint sheen	AS		6.1	0949	

O'BRIEN & GERE ENGINEERS, INC.						SOIL BORING LOG		REPORT OF BORING			
Client: BMS Proj. Loc: Kintulus Property						Sampler: 2" Split-Spoon Hammer: 150lbs Drop		Location: MW-6D			
File No.:						Fall: 30"		Page: 2 of 2 Start Date: 10/1/07 End Date: 10/1/07			
Boring Company: Parratt-Wolff Foreman: Jolaan Brice OBG Geologist: Paul Freyer						Screen = <input type="checkbox"/> Riser <input type="checkbox"/>		Grout <input type="checkbox"/> Sand Pack <input type="checkbox"/> Bentonite <input type="checkbox"/>			
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery (in ft)	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing		
									PID (ppm)	Time (hhmm)	
24		26	3-5 4-6	2/0.6'	9	0.6' Grayish Brown SYR (4/2) Saturated, loose F. Sand <sup>little</sup> silt.			11.1	1001	
26		28	3-5 5-4	2/1.5'	10	1.5' SAA	F. Sand - Silt		20.3	1003	
28		30	3-5 6-8	2/1.1'	11	1.1' SAA			3.8	1006	
30		32	4-6 7-11	2/0.8'	13	0.2' SAA 0.6' Grayish brown (SYR 4/2) Saturated loose FM Sand, trace silt and FM gravel	AS		200	1014	
32		34	11-11 20-25	2/0.9'	31	0.7' Grayish Brown (SYR 4/2) to Grayish Red (SR 4/2) FM Sand trace silt and FM Gravel. 0.2' Grayish Red (SR 4/2) FM gravel trace sand, supported in a matrix of silt and clay. Very dense.	Sand - Gravel				
						Bottom of Boring @ 34.0' bgs	Till		1.7	1016	

**Laboratory Data Sheets**





**Life Science Laboratories, Inc.**

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057

(315) 437-0200

Monday, October 01, 2007

**Dave Carnevale**

O'Brien & Gere Engineers, Inc.  
5000 Brittonfield Parkway  
PO Box 4873  
Syracuse, NY 13221-4873

TEL: 315-437-6100

Project: BMS-KRUTULIS

RE: Analytical Results

Order No.: 0709135

Dear Dave Carnevale:

Life Science Laboratories, Inc. received 3 sample(s) on 9/25/2007 for the analyses presented in the following report.

Very truly yours,  
Life Science Laboratories, Inc.

Monika Santucci  
Project Manager



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0709135

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 09/26/07 13:39

Sample Size: 10 mL

%Moisture:

TestCode 8260W

Lab ID: 0709135-001A

Client Sample ID: TW-01-09252007

Collection Date: 09/25/07 7:30

Date Received: 09/25/07 9:22

PrepDate:

BatchNo: R11185

FileID: 1-SAMP-926\T50

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
(m+p)-Xylene	ND	1.00		µg/L	1	09/26/07 12:17
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	09/26/07 12:17
1,1,1-Trichloroethane	ND	0.50		µg/L	1	09/26/07 12:17
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	09/26/07 12:17
1,1,2-Trichloroethane	ND	0.50		µg/L	1	09/26/07 12:17
1,1-Dichloroethane	ND	0.50		µg/L	1	09/26/07 12:17
1,1-Dichloroethene	ND	0.50		µg/L	1	09/26/07 12:17
1,1-Dichloropropene	ND	0.50		µg/L	1	09/26/07 12:17
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	09/26/07 12:17
1,2,3-Trichloropropane	ND	0.50		µg/L	1	09/26/07 12:17
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	09/26/07 12:17
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	09/26/07 12:17
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	09/26/07 12:17
1,2-Dibromoethane	ND	0.50		µg/L	1	09/26/07 12:17
1,2-Dichlorobenzene	ND	0.50		µg/L	1	09/26/07 12:17
1,2-Dichloroethane	ND	0.50		µg/L	1	09/26/07 12:17
1,2-Dichloropropane	ND	0.50		µg/L	1	09/26/07 12:17
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	09/26/07 12:17
1,3-Dichlorobenzene	ND	0.50		µg/L	1	09/26/07 12:17
1,3-Dichloropropane	ND	0.50		µg/L	1	09/26/07 12:17
1,4-Dichlorobenzene	ND	0.50		µg/L	1	09/26/07 12:17
2,2-Dichloropropane	ND	0.50		µg/L	1	09/26/07 12:17
2-Chlorotoluene	ND	0.50		µg/L	1	09/26/07 12:17
4-Chlorotoluene	ND	0.50		µg/L	1	09/26/07 12:17
Benzene	ND	0.50		µg/L	1	09/26/07 12:17
Bromobenzene	ND	0.50		µg/L	1	09/26/07 12:17
Bromochloromethane	ND	0.50		µg/L	1	09/26/07 12:17
Bromodichloromethane	ND	0.50		µg/L	1	09/26/07 12:17
Bromoform	ND	0.50		µg/L	1	09/26/07 12:17
Bromomethane	ND	1.00		µg/L	1	09/26/07 12:17
Carbon tetrachloride	ND	0.50		µg/L	1	09/26/07 12:17
Chlorobenzene	ND	0.50		µg/L	1	09/26/07 12:17
Chloroethane	ND	1.00		µg/L	1	09/26/07 12:17
Chloroform	ND	0.50		µg/L	1	09/26/07 12:17

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0709135

Matrix: WATER

Inst. ID: MS01 11

Sample Size: 10 mL

ColumnID: Rtx-VMS

%Moisture:

Revision: 09/26/07 13:39

TestCode 8260W

Lab ID: 0709135-001A

Client Sample ID: TW-01-09252007

Collection Date: 09/25/07 7:30

Date Received: 09/25/07 9:22

PrepDate:

BatchNo: R11185

FileID: 1-SAMP-926\T50

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
Chloromethane	ND		1.00	µg/L	1	09/26/07 12:17
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	09/26/07 12:17
cis-1,3-Dichloropropene	ND		0.50	µg/L	1	09/26/07 12:17
Dibromochloromethane	ND		0.50	µg/L	1	09/26/07 12:17
Dibromomethane	ND		0.50	µg/L	1	09/26/07 12:17
Dichlorodifluoromethane	ND		1.00	µg/L	1	09/26/07 12:17
Ethylbenzene	ND		0.50	µg/L	1	09/26/07 12:17
Hexachlorobutadiene	ND		1.00	µg/L	1	09/26/07 12:17
Isopropylbenzene	ND		0.50	µg/L	1	09/26/07 12:17
Methyl tert-butyl ether	ND		0.50	µg/L	1	09/26/07 12:17
Methylene chloride	ND		2.00	µg/L	1	09/26/07 12:17
n-Butylbenzene	ND		0.50	µg/L	1	09/26/07 12:17
n-Propylbenzene	ND		0.50	µg/L	1	09/26/07 12:17
Naphthalene	ND		1.00	µg/L	1	09/26/07 12:17
o-Xylene	ND		0.50	µg/L	1	09/26/07 12:17
p-Isopropyltoluene	ND		0.50	µg/L	1	09/26/07 12:17
sec-Butylbenzene	ND		0.50	µg/L	1	09/26/07 12:17
Styrene	ND		0.50	µg/L	1	09/26/07 12:17
tert-Butylbenzene	ND		0.50	µg/L	1	09/26/07 12:17
Tetrachloroethene	ND		0.50	µg/L	1	09/26/07 12:17
Toluene	ND		0.50	µg/L	1	09/26/07 12:17
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	09/26/07 12:17
trans-1,3-Dichloropropene	ND		0.50	µg/L	1	09/26/07 12:17
Trichloroethene	ND		0.50	µg/L	1	09/26/07 12:17
Trichlorofluoromethane	ND		1.00	µg/L	1	09/26/07 12:17
Vinyl chloride	ND		1.00	µg/L	1	09/26/07 12:17
Xylenes (total)	ND		1.00	µg/L	1	09/26/07 12:17
Surr: 1,2-Dichloroethane-d4	107		75-134	%REC	1	09/26/07 12:17
Surr: 4-Bromofluorobenzene	97.0		75-125	%REC	1	09/26/07 12:17
Surr: Dibromofluoromethane	101		75-127	%REC	1	09/26/07 12:17
Surr: Toluene-d8	105		75-125	%REC	1	09/26/07 12:17

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0709135

Matrix: WATER Q

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 09/26/07 13:39

Sample Size: 10 mL

%Moisture:

TestCode 8260W

Lab ID: 0709135-003A

Client Sample ID: TB-01-09252007

Collection Date: 09/25/07 7:30

Date Received: 09/25/07 9:22

PrepDate:

BatchNo: R11185

FileID: 1-SAMP-926\T50

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
(m+p)-Xylene	ND	1.00		µg/L	1	09/26/07 11:44
1,1,1,2-Tetrachloroethane	ND	0.50		µg/L	1	09/26/07 11:44
1,1,1-Trichloroethane	ND	0.50		µg/L	1	09/26/07 11:44
1,1,2,2-Tetrachloroethane	ND	0.50		µg/L	1	09/26/07 11:44
1,1,2-Trichloroethane	ND	0.50		µg/L	1	09/26/07 11:44
1,1-Dichloroethane	ND	0.50		µg/L	1	09/26/07 11:44
1,1-Dichloroethene	ND	0.50		µg/L	1	09/26/07 11:44
1,1-Dichloropropene	ND	0.50		µg/L	1	09/26/07 11:44
1,2,3-Trichlorobenzene	ND	1.00		µg/L	1	09/26/07 11:44
1,2,3-Trichloropropane	ND	0.50		µg/L	1	09/26/07 11:44
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	09/26/07 11:44
1,2,4-Trimethylbenzene	ND	0.50		µg/L	1	09/26/07 11:44
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	09/26/07 11:44
1,2-Dibromoethane	ND	0.50		µg/L	1	09/26/07 11:44
1,2-Dichlorobenzene	ND	0.50		µg/L	1	09/26/07 11:44
1,2-Dichloroethane	ND	0.50		µg/L	1	09/26/07 11:44
1,2-Dichloropropane	ND	0.50		µg/L	1	09/26/07 11:44
1,3,5-Trimethylbenzene	ND	0.50		µg/L	1	09/26/07 11:44
1,3-Dichlorobenzene	ND	0.50		µg/L	1	09/26/07 11:44
1,3-Dichloropropane	ND	0.50		µg/L	1	09/26/07 11:44
1,4-Dichlorobenzene	ND	0.50		µg/L	1	09/26/07 11:44
2,2-Dichloropropane	ND	0.50		µg/L	1	09/26/07 11:44
2-Chlorotoluene	ND	0.50		µg/L	1	09/26/07 11:44
4-Chlorotoluene	ND	0.50		µg/L	1	09/26/07 11:44
Benzene	ND	0.50		µg/L	1	09/26/07 11:44
Bromobenzene	ND	0.50		µg/L	1	09/26/07 11:44
Bromochloromethane	ND	0.50		µg/L	1	09/26/07 11:44
Bromodichloromethane	ND	0.50		µg/L	1	09/26/07 11:44
Bromoform	ND	0.50		µg/L	1	09/26/07 11:44
Bromomethane	ND	1.00		µg/L	1	09/26/07 11:44
Carbon tetrachloride	ND	0.50		µg/L	1	09/26/07 11:44
Chlorobenzene	ND	0.50		µg/L	1	09/26/07 11:44
Chloroethane	ND	1.00		µg/L	1	09/26/07 11:44
Chloroform	ND	0.50		µg/L	1	09/26/07 11:44

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0709135

Matrix: WATER Q

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 09/26/07 13:39

Sample Size: 10 mL

%Moisture:

TestCode 8260W

Lab ID: 0709135-003A

Client Sample ID: TB-01-09252007

Collection Date: 09/25/07 7:30

Date Received: 09/25/07 9:22

PrepDate:

BatchNo: R11185

FileID: I-SAMP-926\T50

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
Chloromethane	ND	1.00		µg/L	1	09/26/07 11:44
cis-1,2-Dichloroethene	ND	0.50		µg/L	1	09/26/07 11:44
cis-1,3-Dichloropropene	ND	0.50		µg/L	1	09/26/07 11:44
Dibromochloromethane	ND	0.50		µg/L	1	09/26/07 11:44
Dibromomethane	ND	0.50		µg/L	1	09/26/07 11:44
Dichlorodifluoromethane	ND	1.00		µg/L	1	09/26/07 11:44
Ethylbenzene	ND	0.50		µg/L	1	09/26/07 11:44
Hexachlorobutadiene	ND	1.00		µg/L	1	09/26/07 11:44
Isopropylbenzene	ND	0.50		µg/L	1	09/26/07 11:44
Methyl tert-butyl ether	ND	0.50		µg/L	1	09/26/07 11:44
Methylene chloride	ND	2.00		µg/L	1	09/26/07 11:44
n-Butylbenzene	ND	0.50		µg/L	1	09/26/07 11:44
n-Propylbenzene	ND	0.50		µg/L	1	09/26/07 11:44
Naphthalene	ND	1.00		µg/L	1	09/26/07 11:44
o-Xylene	ND	0.50		µg/L	1	09/26/07 11:44
p-Isopropyltoluene	ND	0.50		µg/L	1	09/26/07 11:44
sec-Butylbenzene	ND	0.50		µg/L	1	09/26/07 11:44
Styrene	ND	0.50		µg/L	1	09/26/07 11:44
tert-Butylbenzene	ND	0.50		µg/L	1	09/26/07 11:44
Tetrachloroethene	ND	0.50		µg/L	1	09/26/07 11:44
Toluene	ND	0.50		µg/L	1	09/26/07 11:44
trans-1,2-Dichloroethene	ND	0.50		µg/L	1	09/26/07 11:44
trans-1,3-Dichloropropene	ND	0.50		µg/L	1	09/26/07 11:44
Trichloroethene	ND	0.50		µg/L	1	09/26/07 11:44
Trichlorofluoromethane	ND	1.00		µg/L	1	09/26/07 11:44
Vinyl chloride	ND	1.00		µg/L	1	09/26/07 11:44
Xylenes (total)	ND	1.00		µg/L	1	09/26/07 11:44
Surr: 1,2-Dichloroethane-d4	103	75-134		%REC	1	09/26/07 11:44
Surr: 4-Bromofluorobenzene	95.8	75-125		%REC	1	09/26/07 11:44
Surr: Dibromofluoromethane	99.8	75-127		%REC	1	09/26/07 11:44
Surr: Toluene-d8	106	75-125		%REC	1	09/26/07 11:44

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

**Method:** SW8260B  
**Work Order:** 0709135  
**Project:** BMS-Krutulis

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11185		SampType: LCS		TestCode: 8260W		Units: µg/L		Prep Date:		RunNo: 11185		
Client ID: ZZZZZ		Batch ID: R11185		Method: SW8260B				Analysis Date:		SeqNo: 304741		
Instrument: MS01_11		ColumnID: Rbx-VMS		Rbx-VMS, 1.0 df								
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
(m+p)-Xylene		19.4	1.00	20	0	97	80	120				
1,1,1,2-Tetrachloroethane		9.28	0.500	10	0	93	80	120				
1,1,1-Trichloroethane		10.2	0.500	10	0	102	80	127				
1,1,2,2-Tetrachloroethane		10.4	0.500	10	0	104	73	122				
1,1,2-Trichloroethane		9.77	0.500	10	0	98	80	120				
1,1-Dichloroethane		10.0	0.500	10	0	100	80	120				
1,1-Dichloroethene		9.50	0.500	10	0	95	77	126				
1,1-Dichloropropene		10.3	0.500	10	0	103	80	120				
1,2,3-Trichlorobenzene		9.32	1.00	10	0	93	75	123				
1,2,3-Trichloropropane		10.6	0.500	10	0	106	72	126				
1,2,4-Trichlorobenzene		9.42	1.00	10	0	94	73	123				
1,2,4-Trimethylbenzene		11.3	0.500	10	0	113	80	122				
1,2-Dibromo-3-chloropropane		9.53	1.00	10	0	95	71	124				
1,2-Dibromoethane		9.64	0.500	10	0	96	80	120				
1,2-Dichlorobenzene		10.6	0.500	10	0	106	80	120				
1,2-Dichloroethane		10.1	0.500	10	0	101	73	126				
1,2-Dichloropropane		9.78	0.500	10	0	98	80	120				
1,3,5-Trimethylbenzene		11.1	0.500	10	0	111	80	121				
1,3-Dichlorobenzene		10.4	0.500	10	0	104	80	120				
1,3-Dichloropropane		9.60	0.500	10	0	96	80	120				
1,4-Dichlorobenzene		10.0	0.500	10	0	100	80	120				
2,2-Dichloropropane		9.83	0.500	10	0	98	74	128				
2-Chlorotoluene		10.8	0.500	10	0	108	80	121				
4-Chlorotoluene		10.8	0.500	10	0	108	80	120				
Benzene		10.4	0.500	10	0	104	80	120				
Bromobenzene		10.4	0.500	10	0	104	80	120				
Bromochloromethane		9.38	0.500	10	0	94	80	120				

**Qualifiers:** B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

**Date:** 26-Sep-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0709135

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11185		SampType: LCS		TestCode: 8260W		Units: µg/L		Prep Date:		RunNo: 11185		
Client ID: ZZZZZ		Batch ID: R11185		Method: SW8260B				Analysis Date: 9/26/2007		SeqNo: 304741		
Instrument: MS01_11		ColumnID: Rtx-VMS				Rtx-VMS, 1.0 df						
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane		10.1	0.500	10	0	101	78	125				
Bromoform		8.02	0.500	10	0	80	72	126				
Bromomethane		9.03	1.00	10	0	90	42	156				
Carbon tetrachloride		9.22	0.500	10	0	92	74	137				
Chlorobenzene		9.78	0.500	10	0	98	80	120				
Chloroethane		9.79	1.00	10	0	98	75	124				
Chloroform		9.81	0.500	10	0	98	80	120				
Chloromethane		9.80	1.00	10	0	98	59	133				
cis-1,2-Dichloroethene		9.89	0.500	10	0	99	80	120				
cis-1,3-Dichloropropene		10.5	0.500	10	0	105	80	120				
Dibromochloromethane		9.15	0.500	10	0	92	75	123				
Dibromomethane		9.85	0.500	10	0	98	79	120				
Dichlorodifluoromethane		9.95	1.00	10	0	100	63	139				
Ethylbenzene		10.3	0.500	10	0	103	80	120				
Hexachlorobutadiene		9.80	1.00	10	0	98	77	120				
Isopropylbenzene		11.5	0.500	10	0	115	80	121				
Methyl tert-butyl ether		10.5	0.500	10	0	105	76	122				
Methylene chloride		9.07	2.00	10	0	91	78	120				
n-Butylbenzene		11.0	0.500	10	0	110	77	121				
n-Propylbenzene		11.4	0.500	10	0	114	80	122				
Naphthalene		9.57	1.00	10	0	96	67	134				
o-Xylene		9.82	0.500	10	0	98	79	120				
p-Isopropyltoluene		11.6	0.500	10	0	116	80	120				
sec-Butylbenzene		11.6	0.500	10	0	116	80	120				
Styrene		8.77	0.500	10	0	88	79	120				
tert-Butylbenzene		10.9	0.500	10	0	109	80	120				
Tetrachloroethene		9.36	0.500	10	0	94	80	120				

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 26-Sep-07

Page 2 of 9

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0709135

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11185		SampType: LCS	TestCode: 8260W		Units: µg/L	Prep Date:		RunNo: 11185				
Client ID: ZZZZZ		Batch ID: R11185	Method: SW8260B			Analysis Date: 9/26/2007		SeqNo: 304741				
Instrument: MS01_11		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte	QC Sample Result		PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	10.7		0.500	10	0	107	80	120				
trans-1,2-Dichloroethene	9.79		0.500	10	0	98	80	120				
trans-1,3-Dichloropropene	9.33		0.500	10	0	93	73	121				
Trichloroethene	9.92		0.500	10	0	99	80	120				
Trichlorofluoromethane	10.3		1.00	10	0	103	73	132				
Vinyl chloride	10.4		1.00	10	0	104	75	125				
Xylenes (total)	29.2		1.00	30	0	97	80	120				
Surr: 1,2-Dichloroethane-d4	10.3		0.100	10	0	103	75	134				
Surr: 4-Bromofluorobenzene	9.75		0.100	10	0	98	75	125				
Surr: Dibromofluoromethane	10.0		0.100	10	0	100	75	127				
Surr: Toluene-d8	10.9		0.100	10	0	109	75	125				

### Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Practical Quantitation Limit (PQL)

U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range

R RPD exceeds accepted precision limit

J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

Date:

26-Sep-07



**5000 Brittonfield Parkway, Suite 200**  
**East Syracuse, NY 13057 (315) 437-0200**

**Method:** SW8260B  
**Work Order:** 0709135

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Project:** BMS-Krutulis

Sample ID: LCSD-11185		SampType: LCSD	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo: 11185			
Client ID: ZZZZZ	Batch ID: R11185	Method: SW8260B	Parent Sample Result		Analysis Date: 9/26/2007		SeqNo: 304742			
Instrument: MS01_11	ColumnID: Rtx-VMS		Rtx-VMS, 1.0 df							
Analyte	QC Sample Result	PQL	SPK Added	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
(m+p)-Xylene	19.7	1.00	20	99	80	120	19.4	1.6	20	
1,1,1,2-Tetrachloroethane	9.29	0.500	10	93	80	120	9.28	0.1	20	
1,1,1,1-Trichloroethane	10.1	0.500	10	101	80	127	10.2	0.8	20	
1,1,2,2-Tetrachloroethane	10.0	0.500	10	100	73	122	10.4	3.9	20	
1,1,2-Trichloroethane	9.62	0.500	10	96	80	120	9.77	1.5	20	
1,1-Dichloroethane	9.83	0.500	10	98	80	120	10	1.7	20	
1,1-Dichloroethene	9.36	0.500	10	94	77	126	9.5	1.5	20	
1,1-Dichloropropene	10.2	0.500	10	102	80	120	10.3	1.2	20	
1,2,3-Trichlorobenzene	9.21	1.00	10	92	75	123	9.32	1.2	20	
1,2,3-Trichloropropane	10.3	0.500	10	103	72	126	10.6	3.0	20	
1,2,4-Trichlorobenzene	9.16	1.00	10	92	73	123	9.42	2.8	20	
1,2,4-Trimethylbenzene	10.9	0.500	10	109	80	122	11.3	3.5	20	
1,2-Dibromo-3-chloropropane	9.16	1.00	10	92	71	124	9.53	4.0	20	
1,2-Dibromoethane	9.51	0.500	10	95	80	120	9.64	1.4	20	
1,2-Dichlorobenzene	10.2	0.500	10	102	80	120	10.6	3.4	20	
1,2-Dichloroethane	9.77	0.500	10	98	73	126	10.1	3.3	20	
1,2-Dichloropropane	9.78	0.500	10	98	80	120	9.78	0	20	
1,3,5-Trimethylbenzene	10.8	0.500	10	108	80	121	11.1	2.6	20	
1,3-Dichlorobenzene	10.2	0.500	10	102	80	120	10.4	2.3	20	
1,3-Dichloropropane	9.45	0.500	10	94	80	120	9.6	1.6	20	
1,4-Dichlorobenzene	9.92	0.500	10	99	80	120	10	1.2	20	
2,2-Dichloropropane	9.44	0.500	10	94	74	128	9.83	4.0	20	
2-Chlorotoluene	10.6	0.500	10	106	80	121	10.8	1.4	20	
4-Chlorotoluene	10.7	0.500	10	107	80	120	10.8	1.6	20	
Benzene	10.2	0.500	10	102	80	120	10.4	1.7	20	
Bromobenzene	10.2	0.500	10	102	80	120	10.4	1.6	20	
Bromochloromethane	9.30	0.500	10	93	80	120	9.38	0.9	20	

**Qualifiers:** B Analyte detected in the associated Method Blank

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

ND Not Detected at the Practical Quantitation Limit (PQL)

R RPD exceeds accepted precision limit

## S Spike Recovery outside accepted recovery limits

U Not Detected at the MDC or RL

Date: 26-Sep-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0709135

Project: BMS-Knutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCSD-11185	SampType: LCSD	TestCode: 8260W	Units: µg/L	Prep Date:	RunNo: 11185
Client ID: ZZZZZ	Batch ID: R11185	Method: SW8260B		Analysis Date: 9/26/2007	SeqNo: 304742
Instrument: MS01_11	ColumnID: Rtx-VMS	PQL	SPK Added	Rtx-VMS, 1.0 df	
Analyte	QC Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val
Bromodichloromethane	9.89	99	78	125	10.1
Bromoform	8.11	81	72	126	8.02
Bromomethane	8.96	90	42	156	9.03
Carbon tetrachloride	8.90	89	74	137	9.22
Chlorobenzene	9.72	97	80	120	9.78
Chloroethane	9.69	97	75	124	9.79
Chloroform	9.68	97	80	120	9.81
Chloromethane	9.73	97	59	133	9.8
cis-1,2-Dichloroethene	9.75	98	80	120	9.89
cis-1,3-Dichloropropene	10.3	103	80	120	10.5
Dibromochloromethane	9.32	93	75	123	9.15
Dibromomethane	9.63	96	79	120	9.85
Dichlorodifluoromethane	9.95	100	63	139	9.95
Ethylbenzene	10.2	102	80	120	10.3
Hexachlorobutadiene	9.67	97	77	120	9.8
Isopropylbenzene	11.2	112	80	121	11.5
Methyl tert-butyl ether	10.6	106	76	122	10.5
Methylene chloride	9.15	92	78	120	9.07
n-Butylbenzene	10.6	106	77	121	11
n-Propylbenzene	11.2	112	80	122	11.4
Naphthalene	9.39	94	67	134	9.57
o-Xylene	9.94	99	79	120	9.82
p-Isopropyltoluene	11.2	112	80	120	11.6
sec-Butylbenzene	11.3	113	80	120	11.6
Styrene	8.94	89	79	120	8.77
tert-Butylbenzene	10.7	107	80	120	10.9
Tetrachloroethene	9.29	93	80	120	9.36

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 26-Sep-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0709135  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCSD-11185		SampType: LCSD		TestCode: 8260W		Units: µg/L		Prep Date:		RunNo: 11185		
Client ID: ZZZZZ		Batch ID: R11185		Method: SW8260B				Analysis Date: 9/26/2007		SeqNo: 304742		
Instrument: MS01_11		ColumnID: Rbx-VMS		Rbx-VMS, 1.0 df								
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene		10.4	0.500	10	0	104	80	120	10.7	3.2	20	
trans-1,2-Dichloroethene		9.59	0.500	10	0	96	80	120	9.79	2.1	20	
trans-1,3-Dichloropropene		9.10	0.500	10	0	91	73	121	9.33	2.5	25	
Trichloroethene		9.83	0.500	10	0	98	80	120	9.92	0.9	20	
Trichlorofluoromethane		10.2	1.00	10	0	102	73	132	10.3	1	20	
Vinyl chloride		10.3	1.00	10	0	103	75	125	10.4	0.9	20	
Xylenes (total)		29.7	1.00	30	0	99	80	120	29.2	1.5	20	
Surr: 1,2-Dichloroethane-d4		10.2	0.100	10	0	102	75	134	0		0	
Surr: 4-Bromofluorobenzene		9.90	0.100	10	0	99	75	125	0		0	
Surr: Dibromofluoromethane		10.0	0.100	10	0	100	75	127	0		0	
Surr: Toluene-d8		10.8	0.100	10	0	108	75	125	0		0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

**Date:** 26-Sep-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0709135

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11185		SampType: MBLK		TestCode: 8260W		Units: µg/L		Prep Date:		RunNo: 11185		
Client ID: ZZZZZ		Batch ID: R11185		Method: SW8260B				Analysis Date: 9/26/2007		SeqNo: 304743		
Instrument: MS01_11		ColumnID: Rtx-VMS		Rtx-VMS, 1.0 df								
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
(m+p)-Xylene		ND	1.00									
1,1,1,2-Tetrachloroethane		ND	0.500									
1,1,1-Trichloroethane		ND	0.500									
1,1,2,2-Tetrachloroethane		ND	0.500									
1,1,2-Trichloroethane		ND	0.500									
1,1-Dichloroethane		ND	0.500									
1,1-Dichloroethene		ND	0.500									
1,1-Dichloropropene		ND	0.500									
1,2,3-Trichlorobenzene		ND	1.00									
1,2,3-Trichloropropane		ND	0.500									
1,2,4-Trichlorobenzene		ND	1.00									
1,2,4-Trimethylbenzene		ND	0.500									
1,2-Dibromo-3-chloropropane		ND	1.00									
1,2-Dibromoethane		ND	0.500									
1,2-Dichlorobenzene		ND	0.500									
1,2-Dichloroethane		ND	0.500									
1,2-Dichloropropane		ND	0.500									
1,3,5-Trimethylbenzene		ND	0.500									
1,3-Dichlorobenzene		ND	0.500									
1,3-Dichloropropane		ND	0.500									
1,4-Dichlorobenzene		ND	0.500									
2,2-Dichloropropane		ND	0.500									
2-Chlorotoluene		ND	0.500									
4-Chlorotoluene		ND	0.500									
Benzene		ND	0.500									
Bromobenzene		ND	0.500									
Bromochloromethane		ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 26-Sep-07

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# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0709135

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11185	SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:	RunNo: 11185
Client ID: ZZZZZ	Batch ID: R11185	Method: SW8260B		Analysis Date: 9/26/2007	SeqNo: 304743
Instrument: MS01_11	ColumnID: Rbx-VMS	Rbx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Bromodichloromethane	ND	0.500			
Bromoform	ND	0.500			
Bromomethane	ND	1.00			
Carbon tetrachloride	ND	0.500			
Chlorobenzene	ND	0.500			
Chloroethane	ND	1.00			
Chloroform	ND	0.500			
Chloromethane	ND	1.00			
cis-1,2-Dichloroethene	ND	0.500			
cis-1,3-Dichloropropene	ND	0.500			
Dibromochloromethane	ND	0.500			
Dibromomethane	ND	0.500			
Dichlorodifluoromethane	ND	1.00			
Ethylbenzene	ND	0.500			
Hexachlorobutadiene	ND	1.00			
Isopropylbenzene	ND	0.500			
Methyl tert-butyl ether	ND	0.500			
Methylene chloride	ND	2.00			
n-Butylbenzene	ND	0.500			
n-Propylbenzene	ND	0.500			
Naphthalene	ND	1.00			
o-Xylene	ND	0.500			
p-Isopropyltoluene	ND	0.500			
sec-Butylbenzene	ND	0.500			
Styrene	ND	0.500			
tert-Butylbenzene	ND	0.500			
Tetrachloroethene	ND	0.500			

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				

Date: 26-Sep-07

# ANALYTICAL QC SUMMARY REPORT

**5000 Brittonfield Parkway, Suite 200**

**East Syracuse, NY 13057**      **(315) 437-0200**

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Method:** SW8260B

**Work Order:** 0709135

Project: BMS-Krutulis

Sample ID: MB-11185	SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:	RunNo: 11185
Client ID: ZZZZ	Batch ID: R11185	Method: SW8260B		Analysis Date:	SeqNo: 304743
Instrument: MS01_11	ColumnID: Rtx-VMS				
		</			

Qualifiers:		B		Analyte detected in the associated Method Blank		E		Value exceeds the instrument calibration range		J		Analyte detected below the PQL	
		NID		Not Detected at the Practical Quantitation Limit (PQL)		R		RPD exceeds accepted precision limit		S		Spike Recovery outside accepted recovery limits	
		U		Not Detected at the MDC or RL									
Date:		26-Sep-07											
		Page 9											



5000 Brittonfield Parkway, Suite 200  
East Syracuse, New York 13057  
(315) 437-0200

# Chain of Custody

[illegible]

Turnaround Time Required:

Routine \_\_\_\_\_  
Rush (Specify) \_\_\_\_\_

Cooler Temperature: 7.6 °C w/ice

Original - Laboratory  
Copy - Client

# Life Science Laboratories, Inc.

## Sample Receipt Checklist

Client Name: OBG-TAA

Date and Time Received: 9/25/2007 9:22:00 AM

Work Order Number 0709135

Received by: ads

Checklist completed by:

Initials



Date

9/25/07

Reviewed by:

Initials

ms

Date

9/28/07

Matrix:

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

Comments:

Corrective Action::





## Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057

(315) 437-0200

Saturday, October 20, 2007

Dave Carnevale

O'Brien & Gere Engineers, Inc.  
5000 Brittonfield Parkway  
PO Box 4873  
Syracuse, NY 13221-4873

TEL: 315-437-6100

Project: BMS-KRUTULIS

RE: Analytical Results

Order No.: 0709165

Dear Dave Carnevale:

Life Science Laboratories, Inc. received 17 sample(s) on 9/27/2007 for the analyses presented in the following report.

Very truly yours,  
Life Science Laboratories, Inc.

Monika Santucci  
Project Manager



Monika Santucci  
Life Science Laboratories, Inc.  
5000 Brittonfield Parkway  
East Syracuse, NY 13057

Phone: (315) 437-0200

# Laboratory Analysis Report For Life Science Laboratories, Inc.

Client Project ID:

**WO #0709165**

LSL Project ID: **0717167**

Receive Date/Time: 09/28/07 13:54

Project Received by: JH

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

## Life Science Laboratories, Inc.

- (1) LSL Central Lab, East Syracuse, NY
- (2) LSL North Lab, Waddington, NY
- (3) LSL Finger Lakes Lab, Wayland, NY
- (4) LSL Southern Tier Lab, Cuba, NY
- (5) LSL MidLakes Lab, Canandaigua, NY
- (6) LSL Brittonfield Lab, East Syracuse, NY

(315) 445-1105  
(315) 388-4476  
(585) 728-3320  
(585) 968-2640  
(585) 396-0270  
(315) 437-0200

NYS DOH ELAP #10248 PA DEP #68-2556  
NYS DOH ELAP #10900  
NYS DOH ELAP #11667  
NYS DOH ELAP #10760  
NYS DOH ELAP #11369  
NYS DOH ELAP #10155

This report was reviewed by:

*Patricia Cummings, QA*  
Life Science Laboratories, Inc.

Date:

*10/10/07*

A copy of this report was sent to:

Page 1 of 43

Date Printed:

10/9/07

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID: 0709165-012A LSL Sample ID: 0717167-001  
 Location: SB-03 (18-20) - 092607  
 Sampled: 09/26/07 8:39 Sampled By: Client  
 Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/3/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
Benzene	<200	ug/kg dry		10/3/07	CRT
Bromobenzene	<200	ug/kg dry		10/3/07	CRT
Bromochloromethane	<200	ug/kg dry		10/3/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/3/07	CRT
Bromoform	<200	ug/kg dry		10/3/07	CRT
Bromomethane	<200	ug/kg dry		10/3/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/3/07	CRT
Chlorobenzene	<200	ug/kg dry		10/3/07	CRT
Chloroethane	<200	ug/kg dry		10/3/07	CRT
Chloroform	<200	ug/kg dry		10/3/07	CRT
Chloromethane	<200	ug/kg dry		10/3/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/3/07	CRT
Dibromomethane	<200	ug/kg dry		10/3/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/3/07	CRT
Ethyl benzene	<200	ug/kg dry		10/3/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/3/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/3/07	CRT
MTBE	<200	ug/kg dry		10/3/07	CRT
Methylene chloride	<200	ug/kg dry		10/3/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/3/07	CRT
Naphthalene	<200	ug/kg dry		10/3/07	CRT

Page 2 of 43

Life Science Laboratories, Inc.

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-012A LSL Sample ID: 0717167-001  
Location: SB-03 (18-20) - 092607  
Sampled: 09/26/07 8:39 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/3/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Styrene	<200	ug/kg dry		10/3/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/3/07	CRT
Toluene	1700	ug/kg dry		10/3/07	CRT
trans-1,2-Dichloroethene	220	ug/kg dry		10/3/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Trichloroethene	12000	ug/kg dry		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/3/07	CRT
Vinyl chloride	<200	ug/kg dry		10/3/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/3/07	CRT
Surrogate (1,2-DCA-d4)	106	%R		10/3/07	CRT
Surrogate (4-BFB)	98	%R		10/3/07	CRT
Surrogate (Tol-d8)	90	%R		10/3/07	CRT
Total Solids @ 103-105 C	82	%		10/3/07	KIS

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	0709165-013A	LSL Sample ID:	0717167-002
Location:	SB-03 (30-32) - 092607		
Sampled:	09/26/07 9:14	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/3/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
Benzene	<200	ug/kg dry		10/3/07	CRT
Bromobenzene	<200	ug/kg dry		10/3/07	CRT
Bromochloromethane	<200	ug/kg dry		10/3/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/3/07	CRT
Bromoform	<200	ug/kg dry		10/3/07	CRT
Bromomethane	<200	ug/kg dry		10/3/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/3/07	CRT
Chlorobenzene	<200	ug/kg dry		10/3/07	CRT
Chloroethane	<200	ug/kg dry		10/3/07	CRT
Chloroform	<200	ug/kg dry		10/3/07	CRT
Chloromethane	<200	ug/kg dry		10/3/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/3/07	CRT
Dibromomethane	<200	ug/kg dry		10/3/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/3/07	CRT
Ethyl benzene	<200	ug/kg dry		10/3/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/3/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/3/07	CRT
MTBE	<200	ug/kg dry		10/3/07	CRT
Methylene chloride	<200	ug/kg dry		10/3/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/3/07	CRT
Naphthalene	<200	ug/kg dry		10/3/07	CRT

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Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-013A LSL Sample ID: 0717167-002  
Location: SB-03 (30-32) - 092607  
Sampled: 09/26/07 9:14 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/3/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Styrene	<200	ug/kg dry		10/3/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/3/07	CRT
Toluene	<200	ug/kg dry		10/3/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Trichloroethene	3700	ug/kg dry		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/3/07	CRT
Vinyl chloride	<200	ug/kg dry		10/3/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/3/07	CRT
Surrogate (1,2-DCA-d4)	110	%R		10/3/07	CRT
Surrogate (4-BFB)	97	%R		10/3/07	CRT
Surrogate (Tol-d8)	91	%R		10/3/07	CRT
Total Solids @ 103-105 C	92	%		10/3/07	KIS

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	0709165-014A	LSL Sample ID:	0717167-003
Location:	SB-07 (2-4) - 092607		
Sampled:	09/26/07 12:29	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<3	ug/kg dry		10/4/07	CRT
1,1,1-Trichloroethane	<3	ug/kg dry		10/4/07	CRT
1,1,2,2-Tetrachloroethane	<3	ug/kg dry		10/4/07	CRT
1,1,2-Trichloroethane	<3	ug/kg dry		10/4/07	CRT
1,1-Dichloroethane	<3	ug/kg dry		10/4/07	CRT
1,1-Dichloroethene	<3	ug/kg dry		10/4/07	CRT
1,1-Dichloropropene	<3	ug/kg dry		10/4/07	CRT
1,2,3-Trichlorobenzene	<3	ug/kg dry		10/4/07	CRT
1,2,3-Trichloropropane	<3	ug/kg dry		10/4/07	CRT
1,2,4-Trichlorobenzene	<3	ug/kg dry		10/4/07	CRT
1,2,4-Trimethylbenzene	<3	ug/kg dry		10/4/07	CRT
1,2-Dibromo-3-chloropropane	<3	ug/kg dry		10/4/07	CRT
1,2-Dibromoethane(EDB)	<3	ug/kg dry		10/4/07	CRT
1,2-Dichlorobenzene	<3	ug/kg dry		10/4/07	CRT
1,2-Dichloroethane	<3	ug/kg dry		10/4/07	CRT
1,2-Dichloropropane	<3	ug/kg dry		10/4/07	CRT
1,3,5-Trimethylbenzene	<3	ug/kg dry		10/4/07	CRT
1,3-Dichlorobenzene	<3	ug/kg dry		10/4/07	CRT
1,3-Dichloropropane	<3	ug/kg dry		10/4/07	CRT
1,4-Dichlorobenzene	<3	ug/kg dry		10/4/07	CRT
2,2-Dichloropropane	<3	ug/kg dry		10/4/07	CRT
2-Chlorotoluene	<3	ug/kg dry		10/4/07	CRT
4-Chlorotoluene	<3	ug/kg dry		10/4/07	CRT
Benzene	<3	ug/kg dry		10/4/07	CRT
Bromobenzene	<3	ug/kg dry		10/4/07	CRT
Bromochloromethane	<3	ug/kg dry		10/4/07	CRT
Bromodichloromethane	<3	ug/kg dry		10/4/07	CRT
Bromoform	<3	ug/kg dry		10/4/07	CRT
Bromomethane	<3	ug/kg dry		10/4/07	CRT
Carbon tetrachloride	<3	ug/kg dry		10/4/07	CRT
Chlorobenzene	<3	ug/kg dry		10/4/07	CRT
Chloroethane	<3	ug/kg dry		10/4/07	CRT
Chloroform	<3	ug/kg dry		10/4/07	CRT
Chloromethane	<3	ug/kg dry		10/4/07	CRT
cis-1,2-Dichloroethene	<3	ug/kg dry		10/4/07	CRT
cis-1,3-Dichloropropene	<3	ug/kg dry		10/4/07	CRT
Dibromochloromethane	<3	ug/kg dry		10/4/07	CRT
Dibromomethane	<3	ug/kg dry		10/4/07	CRT
Dichlorodifluoromethane	<3	ug/kg dry		10/4/07	CRT
Ethyl benzene	<3	ug/kg dry		10/4/07	CRT
Hexachlorobutadiene	<3	ug/kg dry		10/4/07	CRT
Isopropylbenzene (Cumene)	<3	ug/kg dry		10/4/07	CRT
MTBE	<3	ug/kg dry		10/4/07	CRT
Methylene chloride	3.8	ug/kg dry		10/4/07	CRT
n-Butylbenzene	<3	ug/kg dry		10/4/07	CRT
n-Propylbenzene	<3	ug/kg dry		10/4/07	CRT
Naphthalene	<3	ug/kg dry		10/4/07	CRT

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Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-014A LSL Sample ID: 0717167-003  
Location: SB-07 (2-4) - 092607  
Sampled: 09/26/07 12:29 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method		Prep	Analysis	Analyst
Analyte	Result	Units	Date & Time	Initials
(I) EPA 8260B Volatiles				
4-Isopropyl toluene (Cymene)	<3	ug/kg dry	10/4/07	CRT
sec-Butylbenzene	<3	ug/kg dry	10/4/07	CRT
Styrene	<3	ug/kg dry	10/4/07	CRT
tert-Butylbenzene	<3	ug/kg dry	10/4/07	CRT
Tetrachloroethene	<3	ug/kg dry	10/4/07	CRT
Toluene	<3	ug/kg dry	10/4/07	CRT
trans-1,2-Dichloroethene	<3	ug/kg dry	10/4/07	CRT
trans-1,3-Dichloropropene	<3	ug/kg dry	10/4/07	CRT
Trichloroethene	<3	ug/kg dry	10/4/07	CRT
Trichlorofluoromethane (Freon 11)	<3	ug/kg dry	10/4/07	CRT
Vinyl chloride	<3	ug/kg dry	10/4/07	CRT
Xylenes (Total)	<3	ug/kg dry	10/4/07	CRT
Surrogate (1,2-DCA-d4)	106	%R	10/4/07	CRT
Surrogate (4-BFB)	109	%R	10/4/07	CRT
Surrogate (Tol-d8)	94	%R	10/4/07	CRT
Total Solids @ 103-105 C	70	%	10/3/07	KIS



# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-015A LSL Sample ID: 0717167-004  
Location: SB-07 (16-18) - 092607  
Sampled: 09/26/07 13:05 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trimethylbenzene	480	ug/kg dry		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/3/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,3,5-Trimethylbenzene	2100	ug/kg dry		10/3/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
Benzene	<200	ug/kg dry		10/3/07	CRT
Bromobenzene	<200	ug/kg dry		10/3/07	CRT
Bromochloromethane	<200	ug/kg dry		10/3/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/3/07	CRT
Bromoform	<200	ug/kg dry		10/3/07	CRT
Bromomethane	<200	ug/kg dry		10/3/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/3/07	CRT
Chlorobenzene	<200	ug/kg dry		10/3/07	CRT
Chloroethane	<200	ug/kg dry		10/3/07	CRT
Chloroform	<200	ug/kg dry		10/3/07	CRT
Chloromethane	<200	ug/kg dry		10/3/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/3/07	CRT
Dibromomethane	<200	ug/kg dry		10/3/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/3/07	CRT
Ethyl benzene	<200	ug/kg dry		10/3/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/3/07	CRT
Isopropylbenzene (Cumene)	490	ug/kg dry		10/3/07	CRT
MTBE	<200	ug/kg dry		10/3/07	CRT
Methylene chloride	<200	ug/kg dry		10/3/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
n-Propylbenzene	460	ug/kg dry		10/3/07	CRT
Naphthalene	<200	ug/kg dry		10/3/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-015A LSL Sample ID: 0717167-004  
Location: SB-07 (16-18) - 092607  
Sampled: 09/26/07 13:05 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/3/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Styrene	<200	ug/kg dry		10/3/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Tetrachloroethene	330	ug/kg dry		10/3/07	CRT
Toluene	<200	ug/kg dry		10/3/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Trichloroethene	380	ug/kg dry		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/3/07	CRT
Vinyl chloride	<200	ug/kg dry		10/3/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/3/07	CRT
Surrogate (1,2-DCA-d4)	113	%R		10/3/07	CRT
Surrogate (4-BFB)	95	%R		10/3/07	CRT
Surrogate (Tol-d8)	92	%R		10/3/07	CRT
Total Solids @ 103-105 C	83	%		10/3/07	KIS

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-015A Matrix Spike LSL Sample ID: 0717167-005  
 Location: SB-07 (16-18) - 092607  
 Sampled: 09/26/07 13:05 Sampled By: Client  
 Sample Matrix: QC

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	110	%R		10/3/07	CRT
1,1,1-Trichloroethane	111	%R		10/3/07	CRT
1,1,2,2-Tetrachloroethane	102	%R		10/3/07	CRT
1,1,2-Trichloroethane	105	%R		10/3/07	CRT
1,1-Dichloroethane	111	%R		10/3/07	CRT
1,1-Dichloroethene	97	%R		10/3/07	CRT
1,1-Dichloropropene	107	%R		10/3/07	CRT
1,2,3-Trichlorobenzene	83	%R		10/3/07	CRT
1,2,3-Trichloropropane	96	%R		10/3/07	CRT
1,2,4-Trichlorobenzene	87	%R		10/3/07	CRT
1,2,4-Trimethylbenzene	101	%R		10/3/07	CRT
1,2-Dibromo-3-chloropropane	123	%R		10/3/07	CRT
1,2-Dibromoethane(EDB)	107	%R		10/3/07	CRT
1,2-Dichlorobenzene	102	%R		10/3/07	CRT
1,2-Dichloroethane	121	%R		10/3/07	CRT
1,2-Dichloropropane	108	%R		10/3/07	CRT
1,3,5-Trimethylbenzene	78	%R		10/3/07	CRT
1,3-Dichlorobenzene	98	%R		10/3/07	CRT
1,3-Dichloropropane	103	%R		10/3/07	CRT
1,4-Dichlorobenzene	100	%R		10/3/07	CRT
2,2-Dichloropropane	103	%R		10/3/07	CRT
2-Chlorotoluene	105	%R		10/3/07	CRT
4-Chlorotoluene	89	%R		10/3/07	CRT
Benzene	103	%R		10/3/07	CRT
Bromobenzene	101	%R		10/3/07	CRT
Bromochloromethane	106	%R		10/3/07	CRT
Bromodichloromethane	99	%R		10/3/07	CRT
Bromoform	96	%R		10/3/07	CRT
Bromomethane	111	%R		10/3/07	CRT
Carbon tetrachloride	79	%R		10/3/07	CRT
Chlorobenzene	103	%R		10/3/07	CRT
Chloroethane	108	%R		10/3/07	CRT
Chloroform	103	%R		10/3/07	CRT
Chloromethane	123	%R		10/3/07	CRT
cis-1,2-Dichloroethene	102	%R		10/3/07	CRT
cis-1,3-Dichloropropene	102	%R		10/3/07	CRT
Dibromochloromethane	112	%R		10/3/07	CRT
Dibromomethane	103	%R		10/3/07	CRT
Dichlorodifluoromethane	161*	%R		10/3/07	CRT
*Outside LSL control limits.					
Ethyl benzene	102	%R		10/3/07	CRT
Hexachlorobutadiene	96	%R		10/3/07	CRT
Isopropylbenzene (Cumene)	102	%R		10/3/07	CRT
MTBE	107	%R		10/3/07	CRT
Methylene chloride	91	%R		10/3/07	CRT
n-Butylbenzene	100	%R		10/3/07	CRT
n-Propylbenzene	102	%R		10/3/07	CRT

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Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-015A Matrix Spike LSL Sample ID: 0717167-005  
Location: SB-07 (16-18) - 092607  
Sampled: 09/26/07 13:05 Sampled By: Client  
Sample Matrix: QC

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials
(1) EPA 8260B Volatiles			
Naphthalene	90	%R	10/3/07 CRT
4-Isopropyl toluene (Cymene)	100	%R	10/3/07 CRT
sec-Butylbenzene	105	%R	10/3/07 CRT
Styrene	104	%R	10/3/07 CRT
tert-Butylbenzene	106	%R	10/3/07 CRT
Tetrachloroethene	97	%R	10/3/07 CRT
Toluene	97	%R	10/3/07 CRT
trans-1,2-Dichloroethene	99	%R	10/3/07 CRT
trans-1,3-Dichloropropene	100	%R	10/3/07 CRT
Trichloroethene	101	%R	10/3/07 CRT
Trichlorofluoromethane (Freon 11)	109	%R	10/3/07 CRT
Vinyl chloride	137	%R	10/3/07 CRT
Xylenes (Total)	98	%R	10/3/07 CRT
Surrogate (1,2-DCA-d4)	110	%R	10/3/07 CRT
Surrogate (4-BFB)	92	%R	10/3/07 CRT
Surrogate (Tol-d8)	98	%R	10/3/07 CRT
Total Solids @ 103-105 C	83	%	10/3/07 KIS

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID: 0709165-015A Matrix Spike Duplicate LSL Sample ID: 0717167-006  
 Location: SB-07 (16-18) - 092607  
 Sampled: 09/26/07 13:05 Sampled By: Client  
 Sample Matrix: QC

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	2	RPD		10/3/07	CRT
1,1,1-Trichloroethane	1	RPD		10/3/07	CRT
1,1,2,2-Tetrachloroethane	3	RPD		10/3/07	CRT
1,1,2-Trichloroethane	6	RPD		10/3/07	CRT
1,1-Dichloroethane	1	RPD		10/3/07	CRT
1,1-Dichloroethene	5	RPD		10/3/07	CRT
1,1-Dichloropropene	2	RPD		10/3/07	CRT
1,2,3-Trichlorobenzene	19	RPD		10/3/07	CRT
1,2,3-Trichloropropane	6	RPD		10/3/07	CRT
1,2,4-Trichlorobenzene	13	RPD		10/3/07	CRT
1,2,4-Trimethylbenzene	7	RPD		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<1	RPD		10/3/07	CRT
1,2-Dibromoethane(EDB)	10	RPD		10/3/07	CRT
1,2-Dichlorobenzene	<1	RPD		10/3/07	CRT
1,2-Dichloroethane	4	RPD		10/3/07	CRT
1,2-Dichloropropane	2	RPD		10/3/07	CRT
1,3,5-Trimethylbenzene	11	RPD		10/3/07	CRT
1,3-Dichlorobenzene	1	RPD		10/3/07	CRT
1,3-Dichloropropane	5	RPD		10/3/07	CRT
1,4-Dichlorobenzene	7	RPD		10/3/07	CRT
2,2-Dichloropropane	9	RPD		10/3/07	CRT
2-Chlorotoluene	8	RPD		10/3/07	CRT
4-Chlorotoluene	9	RPD		10/3/07	CRT
Benzene	1	RPD		10/3/07	CRT
Bromobenzene	3	RPD		10/3/07	CRT
Bromochloromethane	8	RPD		10/3/07	CRT
Bromodichloromethane	5	RPD		10/3/07	CRT
Bromoform	9	RPD		10/3/07	CRT
Bromomethane	18	RPD		10/3/07	CRT
Carbon tetrachloride	5	RPD		10/3/07	CRT
Chlorobenzene	1	RPD		10/3/07	CRT
Chloroethane	9	RPD		10/3/07	CRT
Chloroform	2	RPD		10/3/07	CRT
Chloromethane	4	RPD		10/3/07	CRT
cis-1,2-Dichloroethene	2	RPD		10/3/07	CRT
cis-1,3-Dichloropropene	2	RPD		10/3/07	CRT
Dibromochloromethane	6	RPD		10/3/07	CRT
Dibromomethane	7	RPD		10/3/07	CRT
Dichlorodifluoromethane	16	RPD		10/3/07	CRT
Ethyl benzene	1	RPD		10/3/07	CRT
Hexachlorobutadiene	8	RPD		10/3/07	CRT
Isopropylbenzene (Cumene)	6	RPD		10/3/07	CRT
MTBE	8	RPD		10/3/07	CRT
Methylene chloride	<1	RPD		10/3/07	CRT
n-Butylbenzene	4	RPD		10/3/07	CRT
n-Propylbenzene	5	RPD		10/3/07	CRT
Naphthalene	23	RPD		10/3/07	CRT

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Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-015A Matrix Spike Duplicate LSL Sample ID: 0717167-006  
Location: SB-07 (16-18) - 092607  
Sampled: 09/26/07 13:05 Sampled By: Client  
Sample Matrix: QC

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	2	RPD		10/3/07	CRT
sec-Butylbenzene	7	RPD		10/3/07	CRT
Styrene	2	RPD		10/3/07	CRT
tert-Butylbenzene	6	RPD		10/3/07	CRT
Tetrachloroethene	1	RPD		10/3/07	CRT
Toluene	1	RPD		10/3/07	CRT
trans-1,2-Dichloroethene	5	RPD		10/3/07	CRT
trans-1,3-Dichloropropene	3	RPD		10/3/07	CRT
Trichloroethene	1	RPD		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	5	RPD		10/3/07	CRT
Vinyl chloride	21	RPD		10/3/07	CRT
Xylenes (Total)	2	RPD		10/3/07	CRT
Surrogate (1,2-DCA-d4)	123	%R		10/3/07	CRT
Surrogate (4-BFB)	92	%R		10/3/07	CRT
Surrogate (Tol-d8)	97	%R		10/3/07	CRT
Total Solids @ 103-105 C	83	%		10/3/07	KIS

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

<b>Sample ID:</b>	0709165-016A	<b>LSL Sample ID:</b>	0717167-007
<b>Location:</b>	SB-07 (22-24) - 092607		
<b>Sampled:</b>	09/26/07 13:17	<b>Sampled By:</b>	Client
<b>Sample Matrix:</b>	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/3/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
Benzene	<200	ug/kg dry		10/3/07	CRT
Bromobenzene	<200	ug/kg dry		10/3/07	CRT
Bromochloromethane	<200	ug/kg dry		10/3/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/3/07	CRT
Bromoform	<200	ug/kg dry		10/3/07	CRT
Bromomethane	<200	ug/kg dry		10/3/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/3/07	CRT
Chlorobenzene	<200	ug/kg dry		10/3/07	CRT
Chloroethane	<200	ug/kg dry		10/3/07	CRT
Chloroform	<200	ug/kg dry		10/3/07	CRT
Chloromethane	<200	ug/kg dry		10/3/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/3/07	CRT
Dibromomethane	<200	ug/kg dry		10/3/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/3/07	CRT
Ethyl benzene	<200	ug/kg dry		10/3/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/3/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/3/07	CRT
MTBE	<200	ug/kg dry		10/3/07	CRT
Methylene chloride	<200	ug/kg dry		10/3/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/3/07	CRT
Naphthalene	<200	ug/kg dry		10/3/07	CRT

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**Life Science Laboratories, Inc.**

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-016A LSL Sample ID: 0717167-007  
Location: SB-07 (22-24) - 092607  
Sampled: 09/26/07 13:17 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/3/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Styrene	<200	ug/kg dry		10/3/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/3/07	CRT
Toluene	800	ug/kg dry		10/3/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Trichloroethene	2800	ug/kg dry		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/3/07	CRT
Vinyl chloride	<200	ug/kg dry		10/3/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/3/07	CRT
Surrogate (1,2-DCA-d4)	111	%R		10/3/07	CRT
Surrogate (4-BFB)	98	%R		10/3/07	CRT
Surrogate (Tol-d8)	90	%R		10/3/07	CRT
Total Solids @ 103-105 C	84	%		10/3/07	KIS



# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-017A LSL Sample ID: 0717167-008  
Location: SB-07 (28-30) - 092607  
Sampled: 09/26/07 13:30 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/3/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
Benzene	<200	ug/kg dry		10/3/07	CRT
Bromobenzene	<200	ug/kg dry		10/3/07	CRT
Bromochloromethane	<200	ug/kg dry		10/3/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/3/07	CRT
Bromoform	<200	ug/kg dry		10/3/07	CRT
Bromomethane	<200	ug/kg dry		10/3/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/3/07	CRT
Chlorobenzene	<200	ug/kg dry		10/3/07	CRT
Chloroethane	<200	ug/kg dry		10/3/07	CRT
Chloroform	<200	ug/kg dry		10/3/07	CRT
Chloromethane	<200	ug/kg dry		10/3/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/3/07	CRT
Dibromomethane	<200	ug/kg dry		10/3/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/3/07	CRT
Ethyl benzene	<200	ug/kg dry		10/3/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/3/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/3/07	CRT
MTBE	<200	ug/kg dry		10/3/07	CRT
Methylene chloride	<200	ug/kg dry		10/3/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/3/07	CRT
Naphthalene	<200	ug/kg dry		10/3/07	CRT

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Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-017A LSL Sample ID: 0717167-008  
Location: SB-07 (28-30) - 092607  
Sampled: 09/26/07 13:30 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/3/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Styrene	<200	ug/kg dry		10/3/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/3/07	CRT
Toluene	210	ug/kg dry		10/3/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Trichloroethene	1100	ug/kg dry		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/3/07	CRT
Vinyl chloride	<200	ug/kg dry		10/3/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/3/07	CRT
Surrogate (1,2-DCA-d4)	104	%R		10/3/07	CRT
Surrogate (4-BFB)	104	%R		10/3/07	CRT
Surrogate (Tol-d8)	89	%R		10/3/07	CRT
Total Solids @ 103-105 C	86	%		10/3/07	KIS

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	0709165-001A	LSL Sample ID:	0717167-009
Location:	SB-08 (2-4) - 092507		
Sampled:	09/20/07 8:05	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<2	ug/kg dry		10/4/07	CRT
1,1,1-Trichloroethane	<2	ug/kg dry		10/4/07	CRT
1,1,2,2-Tetrachloroethane	<2	ug/kg dry		10/4/07	CRT
1,1,2-Trichloroethane	<2	ug/kg dry		10/4/07	CRT
1,1-Dichloroethane	<2	ug/kg dry		10/4/07	CRT
1,1-Dichloroethene	<2	ug/kg dry		10/4/07	CRT
1,1-Dichloropropene	<2	ug/kg dry		10/4/07	CRT
1,2,3-Trichlorobenzene	<2	ug/kg dry		10/4/07	CRT
1,2,3-Trichloropropane	<2	ug/kg dry		10/4/07	CRT
1,2,4-Trichlorobenzene	<2	ug/kg dry		10/4/07	CRT
1,2,4-Trimethylbenzene	<2	ug/kg dry		10/4/07	CRT
1,2-Dibromo-3-chloropropane	<2	ug/kg dry		10/4/07	CRT
1,2-Dibromoethane(EDB)	<2	ug/kg dry		10/4/07	CRT
1,2-Dichlorobenzene	<2	ug/kg dry		10/4/07	CRT
1,2-Dichloroethane	<2	ug/kg dry		10/4/07	CRT
1,2-Dichloropropane	<2	ug/kg dry		10/4/07	CRT
1,3,5-Trimethylbenzene	<2	ug/kg dry		10/4/07	CRT
1,3-Dichlorobenzene	<2	ug/kg dry		10/4/07	CRT
1,3-Dichloropropane	<2	ug/kg dry		10/4/07	CRT
1,4-Dichlorobenzene	<2	ug/kg dry		10/4/07	CRT
2,2-Dichloropropane	<2	ug/kg dry		10/4/07	CRT
2-Chlorotoluene	<2	ug/kg dry		10/4/07	CRT
4-Chlorotoluene	<2	ug/kg dry		10/4/07	CRT
Benzene	<2	ug/kg dry		10/4/07	CRT
Bromobenzene	<2	ug/kg dry		10/4/07	CRT
Bromochloromethane	<2	ug/kg dry		10/4/07	CRT
Bromodichloromethane	<2	ug/kg dry		10/4/07	CRT
Bromoform	<2	ug/kg dry		10/4/07	CRT
Bromomethane	<2	ug/kg dry		10/4/07	CRT
Carbon tetrachloride	<2	ug/kg dry		10/4/07	CRT
Chlorobenzene	<2	ug/kg dry		10/4/07	CRT
Chloroethane	<2	ug/kg dry		10/4/07	CRT
Chloroform	<2	ug/kg dry		10/4/07	CRT
Chloromethane	<2	ug/kg dry		10/4/07	CRT
cis-1,2-Dichloroethene	<2	ug/kg dry		10/4/07	CRT
cis-1,3-Dichloropropene	<2	ug/kg dry		10/4/07	CRT
Dibromochloromethane	<2	ug/kg dry		10/4/07	CRT
Dibromomethane	<2	ug/kg dry		10/4/07	CRT
Dichlorodifluoromethane	<2	ug/kg dry		10/4/07	CRT
Ethyl benzene	<2	ug/kg dry		10/4/07	CRT
Hexachlorobutadiene	<2	ug/kg dry		10/4/07	CRT
Isopropylbenzene (Cumene)	<2	ug/kg dry		10/4/07	CRT
MTBE	<2	ug/kg dry		10/4/07	CRT
Methylene chloride	<2	ug/kg dry		10/4/07	CRT
n-Butylbenzene	<2	ug/kg dry		10/4/07	CRT
n-Propylbenzene	<2	ug/kg dry		10/4/07	CRT
Naphthalene	<2	ug/kg dry		10/4/07	CRT

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Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-001A LSL Sample ID: 0717167-009  
Location: SB-08 (2-4) - 092507  
Sampled: 09/20/07 8:05 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<2	ug/kg dry		10/4/07	CRT
sec-Butylbenzene	<2	ug/kg dry		10/4/07	CRT
Styrene	<2	ug/kg dry		10/4/07	CRT
tert-Butylbenzene	<2	ug/kg dry		10/4/07	CRT
Tetrachloroethene	<2	ug/kg dry		10/4/07	CRT
Toluene	<2	ug/kg dry		10/4/07	CRT
trans-1,2-Dichloroethene	<2	ug/kg dry		10/4/07	CRT
trans-1,3-Dichloropropene	<2	ug/kg dry		10/4/07	CRT
Trichloroethene	<2	ug/kg dry		10/4/07	CRT
Trichlorofluoromethane (Freon 11)	<2	ug/kg dry		10/4/07	CRT
Vinyl chloride	<2	ug/kg dry		10/4/07	CRT
Xylenes (Total)	<2	ug/kg dry		10/4/07	CRT
Surrogate (1,2-DCA-d4)	104	%R		10/4/07	CRT
Surrogate (4-BFB)	103	%R		10/4/07	CRT
Surrogate (Tol-d8)	93	%R		10/4/07	CRT
Total Solids @ 103-105 C	84	%		10/3/07	KIS

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID:	0709165-002A	LSL Sample ID:	0717167-010
Location:	SB-08 (10-12) - 092507		
Sampled:	09/25/07 8:38	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/3/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
Benzene	<200	ug/kg dry		10/3/07	CRT
Bromobenzene	<200	ug/kg dry		10/3/07	CRT
Bromochloromethane	<200	ug/kg dry		10/3/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/3/07	CRT
Bromoform	<200	ug/kg dry		10/3/07	CRT
Bromomethane	<200	ug/kg dry		10/3/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/3/07	CRT
Chlorobenzene	<200	ug/kg dry		10/3/07	CRT
Chloroethane	<200	ug/kg dry		10/3/07	CRT
Chloroform	<200	ug/kg dry		10/3/07	CRT
Chloromethane	<200	ug/kg dry		10/3/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/3/07	CRT
Dibromomethane	<200	ug/kg dry		10/3/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/3/07	CRT
Ethyl benzene	<200	ug/kg dry		10/3/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/3/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/3/07	CRT
MTBE	<200	ug/kg dry		10/3/07	CRT
Methylene chloride	<200	ug/kg dry		10/3/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/3/07	CRT
Naphthalene	<200	ug/kg dry		10/3/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-002A LSL Sample ID: 0717167-010  
Location: SB-08 (10-12) - 092507  
Sampled: 09/25/07 8:38 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/3/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Styrene	<200	ug/kg dry		10/3/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/3/07	CRT
Toluene	<200	ug/kg dry		10/3/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Trichloroethene	3100	ug/kg dry		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/3/07	CRT
Vinyl chloride	<200	ug/kg dry		10/3/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/3/07	CRT
Surrogate (1,2-DCA-d4)	107	%R		10/3/07	CRT
Surrogate (4-BFB)	98	%R		10/3/07	CRT
Surrogate (Tol-d8)	90	%R		10/3/07	CRT
Total Solids @ 103-105 C	83	%		10/3/07	KIS

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

<b>Sample ID:</b>	0709165-003A	<b>LSL Sample ID:</b>	0717167-011
<b>Location:</b>	SB-08 (20-22) - 092507		
<b>Sampled:</b>	09/25/07 9:20	<b>Sampled By:</b>	Client
<b>Sample Matrix:</b>	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<30	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<30	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<30	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<30	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<30	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<30	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<30	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<30	ug/kg dry		10/9/07	CRT
Benzene	<30	ug/kg dry		10/9/07	CRT
Bromobenzene	<30	ug/kg dry		10/9/07	CRT
Bromochloromethane	<30	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<30	ug/kg dry		10/9/07	CRT
Bromoform	<30	ug/kg dry		10/9/07	CRT
Bromomethane	<30	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<30	ug/kg dry		10/9/07	CRT
Chlorobenzene	<30	ug/kg dry		10/9/07	CRT
Chloroethane	<30	ug/kg dry		10/9/07	CRT
Chloroform	<30	ug/kg dry		10/9/07	CRT
Chloromethane	<30	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<30	ug/kg dry		10/9/07	CRT
Dibromomethane	<30	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<30	ug/kg dry		10/9/07	CRT
Ethyl benzene	<30	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<30	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<30	ug/kg dry		10/9/07	CRT
MTBE	<30	ug/kg dry		10/9/07	CRT
Methylene chloride	<30	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<30	ug/kg dry		10/9/07	CRT
Naphthalene	<30	ug/kg dry		10/9/07	CRT

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-003A LSL Sample ID: 0717167-011  
Location: SB-08 (20-22) - 092507  
Sampled: 09/25/07 9:20 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<30	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
Styrene	<30	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<30	ug/kg dry		10/9/07	CRT
Toluene	<30	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
Trichloroethene	<30	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<30	ug/kg dry		10/9/07	CRT
Vinyl chloride	<30	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<30	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	105	%R		10/9/07	CRT
Surrogate (4-BFB)	98	%R		10/9/07	CRT
Surrogate (Tol-d8)	110	%R		10/9/07	CRT
Total Solids @ 103-105 C	81	%		10/3/07	KIS

Elevated detection limit due to matrix interference.



# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

<b>Sample ID:</b>	0709165-004A	<b>LSL Sample ID:</b>	0717167-012
<b>Location:</b>	SB-08 (32-34) - 092507		
<b>Sampled:</b>	09/25/07 10:15	<b>Sampled By:</b>	Client
<b>Sample Matrix:</b>	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<30	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<30	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<30	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<30	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<30	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<30	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<30	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<30	ug/kg dry		10/9/07	CRT
Benzene	<30	ug/kg dry		10/9/07	CRT
Bromobenzene	<30	ug/kg dry		10/9/07	CRT
Bromochloromethane	<30	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<30	ug/kg dry		10/9/07	CRT
Bromoform	<30	ug/kg dry		10/9/07	CRT
Bromomethane	<30	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<30	ug/kg dry		10/9/07	CRT
Chlorobenzene	<30	ug/kg dry		10/9/07	CRT
Chloroethane	<30	ug/kg dry		10/9/07	CRT
Chloroform	<30	ug/kg dry		10/9/07	CRT
Chloromethane	<30	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<30	ug/kg dry		10/9/07	CRT
Dibromomethane	<30	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<30	ug/kg dry		10/9/07	CRT
Ethyl benzene	<30	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<30	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<30	ug/kg dry		10/9/07	CRT
MTBE	<30	ug/kg dry		10/9/07	CRT
Methylene chloride	<30	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<30	ug/kg dry		10/9/07	CRT
Naphthalene	<30	ug/kg dry		10/9/07	CRT

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**Life Science Laboratories, Inc.**

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-004A LSL Sample ID: 0717167-012  
Location: SB-08 (32-34) - 092507  
Sampled: 09/25/07 10:15 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials
(1) EPA 8260B Volatiles			
4-Isopropyl toluene (Cymene)	<30 ug/kg dry	10/9/07	CRT
sec-Butylbenzene	<30 ug/kg dry	10/9/07	CRT
Styrene	<30 ug/kg dry	10/9/07	CRT
tert-Butylbenzene	<30 ug/kg dry	10/9/07	CRT
Tetrachloroethene	<30 ug/kg dry	10/9/07	CRT
Toluene	<30 ug/kg dry	10/9/07	CRT
trans-1,2-Dichloroethene	<30 ug/kg dry	10/9/07	CRT
trans-1,3-Dichloropropene	<30 ug/kg dry	10/9/07	CRT
Trichloroethene	<30 ug/kg dry	10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<30 ug/kg dry	10/9/07	CRT
Vinyl chloride	<30 ug/kg dry	10/9/07	CRT
Xylenes (Total)	<30 ug/kg dry	10/9/07	CRT
Surrogate (1,2-DCA-d4)	111 %R	10/9/07	CRT
Surrogate (4-BFB)	107 %R	10/9/07	CRT
Surrogate (Tol-d8)	120 %R	10/9/07	CRT
Total Solids @ 103-105 C	82 %	10/3/07	KIS

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID:	0709165-005	LSL Sample ID:	0717167-013
Location:	FD-092507		
Sampled:	09/25/07 0:00	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<20	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
Benzene	<20	ug/kg dry		10/9/07	CRT
Bromobenzene	<20	ug/kg dry		10/9/07	CRT
Bromochloromethane	<20	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<20	ug/kg dry		10/9/07	CRT
Bromoform	<20	ug/kg dry		10/9/07	CRT
Bromomethane	<20	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<20	ug/kg dry		10/9/07	CRT
Chlorobenzene	<20	ug/kg dry		10/9/07	CRT
Chloroethane	<20	ug/kg dry		10/9/07	CRT
Chloroform	<20	ug/kg dry		10/9/07	CRT
Chloromethane	<20	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<20	ug/kg dry		10/9/07	CRT
Dibromomethane	<20	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<20	ug/kg dry		10/9/07	CRT
Ethyl benzene	<20	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<20	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<20	ug/kg dry		10/9/07	CRT
MTBE	<20	ug/kg dry		10/9/07	CRT
Methylene chloride	<20	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<20	ug/kg dry		10/9/07	CRT
Naphthalene	<20	ug/kg dry		10/9/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-005 LSL Sample ID: 0717167-013  
Location: FD-092507  
Sampled: 09/25/07 0:00 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<20	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Styrene	<20	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<20	ug/kg dry		10/9/07	CRT
Toluene	<20	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Trichloroethene	<20	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<20	ug/kg dry		10/9/07	CRT
Vinyl chloride	<20	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<20	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	117	%R		10/9/07	CRT
Surrogate (4-BFB)	105	%R		10/9/07	CRT
Surrogate (Tol-d8)	128	%R		10/9/07	CRT
Total Solids @ 103-105 C	83	%		10/3/07	KIS

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# -- LABORATORY ANALYSIS REPORT --

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	0709165-006A	LSL Sample ID:	0717167-014
Location:	SB-04 (2-4) - 092507		
Sampled:	09/25/07 12:59	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<2	ug/kg dry		10/2/07	CRT
1,1,1-Trichloroethane	<2	ug/kg dry		10/2/07	CRT
1,1,2,2-Tetrachloroethane	<2	ug/kg dry		10/2/07	CRT
1,1,2-Trichloroethane	<2	ug/kg dry		10/2/07	CRT
1,1-Dichloroethane	<2	ug/kg dry		10/2/07	CRT
1,1-Dichloroethene	<2	ug/kg dry		10/2/07	CRT
1,1-Dichloropropene	<2	ug/kg dry		10/2/07	CRT
1,2,3-Trichlorobenzene	<2	ug/kg dry		10/2/07	CRT
1,2,3-Trichloropropane	<2	ug/kg dry		10/2/07	CRT
1,2,4-Trichlorobenzene	<2	ug/kg dry		10/2/07	CRT
1,2,4-Trimethylbenzene	<2	ug/kg dry		10/2/07	CRT
1,2-Dibromo-3-chloropropane	<2	ug/kg dry		10/2/07	CRT
1,2-Dibromoethane(EDB)	<2	ug/kg dry		10/2/07	CRT
1,2-Dichlorobenzene	<2	ug/kg dry		10/2/07	CRT
1,2-Dichloroethane	<2	ug/kg dry		10/2/07	CRT
1,2-Dichloropropane	<2	ug/kg dry		10/2/07	CRT
1,3,5-Trimethylbenzene	<2	ug/kg dry		10/2/07	CRT
1,3-Dichlorobenzene	<2	ug/kg dry		10/2/07	CRT
1,3-Dichloropropane	<2	ug/kg dry		10/2/07	CRT
1,4-Dichlorobenzene	<2	ug/kg dry		10/2/07	CRT
2,2-Dichloropropane	<2	ug/kg dry		10/2/07	CRT
2-Chlorotoluene	<2	ug/kg dry		10/2/07	CRT
4-Chlorotoluene	<2	ug/kg dry		10/2/07	CRT
Benzene	<2	ug/kg dry		10/2/07	CRT
Bromobenzene	<2	ug/kg dry		10/2/07	CRT
Bromochloromethane	<2	ug/kg dry		10/2/07	CRT
Bromodichloromethane	<2	ug/kg dry		10/2/07	CRT
Bromoform	<2	ug/kg dry		10/2/07	CRT
Bromomethane	<2	ug/kg dry		10/2/07	CRT
Carbon tetrachloride	<2	ug/kg dry		10/2/07	CRT
Chlorobenzene	<2	ug/kg dry		10/2/07	CRT
Chloroethane	<2	ug/kg dry		10/2/07	CRT
Chloroform	<2	ug/kg dry		10/2/07	CRT
Chloromethane	<2	ug/kg dry		10/2/07	CRT
cis-1,2-Dichloroethene	<2	ug/kg dry		10/2/07	CRT
cis-1,3-Dichloropropene	<2	ug/kg dry		10/2/07	CRT
Dibromochloromethane	<2	ug/kg dry		10/2/07	CRT
Dibromomethane	<2	ug/kg dry		10/2/07	CRT
Dichlorodifluoromethane	<2	ug/kg dry		10/2/07	CRT
Ethyl benzene	<2	ug/kg dry		10/2/07	CRT
Hexachlorobutadiene	<2	ug/kg dry		10/2/07	CRT
Isopropylbenzene (Cumene)	<2	ug/kg dry		10/2/07	CRT
MTBE	<2	ug/kg dry		10/2/07	CRT
Methylene chloride	<2	ug/kg dry		10/2/07	CRT
n-Butylbenzene	<2	ug/kg dry		10/2/07	CRT
n-Propylbenzene	<2	ug/kg dry		10/2/07	CRT
Naphthalene	<2	ug/kg dry		10/2/07	CRT

Life Science Laboratories, Inc.

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Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-006A LSL Sample ID: 0717167-014  
Location: SB-04 (2-4) - 092507  
Sampled: 09/25/07 12:59 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method		Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte						
(1) EPA 8260B Volatiles						
4-Isopropyl toluene (Cymene)		<2	ug/kg dry		10/2/07	CRT
sec-Butylbenzene		<2	ug/kg dry		10/2/07	CRT
Styrene		<2	ug/kg dry		10/2/07	CRT
tert-Butylbenzene		<2	ug/kg dry		10/2/07	CRT
Tetrachloroethene		<2	ug/kg dry		10/2/07	CRT
Toluene		<2	ug/kg dry		10/2/07	CRT
trans-1,2-Dichloroethene		<2	ug/kg dry		10/2/07	CRT
trans-1,3-Dichloropropene		<2	ug/kg dry		10/2/07	CRT
Trichloroethene		<2	ug/kg dry		10/2/07	CRT
Trichlorofluoromethane (Freon 11)		<2	ug/kg dry		10/2/07	CRT
Vinyl chloride		<2	ug/kg dry		10/2/07	CRT
Xylenes (Total)		<2	ug/kg dry		10/2/07	CRT
Surrogate (1,2-DCA-d4)		99	%R		10/2/07	CRT
Surrogate (4-BFB)		99	%R		10/2/07	CRT
Surrogate (Tol-d8)		96	%R		10/2/07	CRT
Total Solids @ 103-105 C		81	%		10/3/07	KIS

# -- LABORATORY ANALYSIS REPORT --

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	0709165-007A	LSL Sample ID:	0717167-015
Location:	SB-04 (12-14) - 092507		
Sampled:	09/25/07 13:27	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<10	ug/kg dry		10/8/07	CRT
1,1,1-Trichloroethane	<10	ug/kg dry		10/8/07	CRT
1,1,2,2-Tetrachloroethane	<10	ug/kg dry		10/8/07	CRT
1,1,2-Trichloroethane	<10	ug/kg dry		10/8/07	CRT
1,1-Dichloroethane	<10	ug/kg dry		10/8/07	CRT
1,1-Dichloroethene	<10	ug/kg dry		10/8/07	CRT
1,1-Dichloropropene	<10	ug/kg dry		10/8/07	CRT
1,2,3-Trichlorobenzene	<10	ug/kg dry		10/8/07	CRT
1,2,3-Trichloropropane	<10	ug/kg dry		10/8/07	CRT
1,2,4-Trichlorobenzene	<10	ug/kg dry		10/8/07	CRT
1,2,4-Trimethylbenzene	<10	ug/kg dry		10/8/07	CRT
1,2-Dibromo-3-chloropropane	<10	ug/kg dry		10/8/07	CRT
1,2-Dibromoethane(EDB)	<10	ug/kg dry		10/8/07	CRT
1,2-Dichlorobenzene	<10	ug/kg dry		10/8/07	CRT
1,2-Dichloroethane	<10	ug/kg dry		10/8/07	CRT
1,2-Dichloropropane	<10	ug/kg dry		10/8/07	CRT
1,3,5-Trimethylbenzene	<10	ug/kg dry		10/8/07	CRT
1,3-Dichlorobenzene	<10	ug/kg dry		10/8/07	CRT
1,3-Dichloropropane	<10	ug/kg dry		10/8/07	CRT
1,4-Dichlorobenzene	<10	ug/kg dry		10/8/07	CRT
2,2-Dichloropropane	<10	ug/kg dry		10/8/07	CRT
2-Chlorotoluene	<10	ug/kg dry		10/8/07	CRT
4-Chlorotoluene	<10	ug/kg dry		10/8/07	CRT
Benzene	<10	ug/kg dry		10/8/07	CRT
Bromobenzene	<10	ug/kg dry		10/8/07	CRT
Bromochloromethane	<10	ug/kg dry		10/8/07	CRT
Bromodichloromethane	<10	ug/kg dry		10/8/07	CRT
Bromoform	<10	ug/kg dry		10/8/07	CRT
Bromomethane	<10	ug/kg dry		10/8/07	CRT
Carbon tetrachloride	<10	ug/kg dry		10/8/07	CRT
Chlorobenzene	<10	ug/kg dry		10/8/07	CRT
Chloroethane	<10	ug/kg dry		10/8/07	CRT
Chloroform	<10	ug/kg dry		10/8/07	CRT
Chloromethane	<10	ug/kg dry		10/8/07	CRT
cis-1,2-Dichloroethene	<10	ug/kg dry		10/8/07	CRT
cis-1,3-Dichloropropene	<10	ug/kg dry		10/8/07	CRT
Dibromochloromethane	<10	ug/kg dry		10/8/07	CRT
Dibromomethane	<10	ug/kg dry		10/8/07	CRT
Dichlorodifluoromethane	<10	ug/kg dry		10/8/07	CRT
Ethyl benzene	<10	ug/kg dry		10/8/07	CRT
Hexachlorobutadiene	<10	ug/kg dry		10/8/07	CRT
Isopropylbenzene (Cumene)	<10	ug/kg dry		10/8/07	CRT
MTBE	<10	ug/kg dry		10/8/07	CRT
Methylene chloride	<10	ug/kg dry		10/8/07	CRT
n-Butylbenzene	<10	ug/kg dry		10/8/07	CRT
n-Propylbenzene	<10	ug/kg dry		10/8/07	CRT
Naphthalene	<10	ug/kg dry		10/8/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-007A LSL Sample ID: 0717167-015  
Location: SB-04 (12-14) - 092507  
Sampled: 09/25/07 13:27 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<10	ug/kg dry		10/8/07	CRT
sec-Butylbenzene	<10	ug/kg dry		10/8/07	CRT
Styrene	<10	ug/kg dry		10/8/07	CRT
tert-Butylbenzene	<10	ug/kg dry		10/8/07	CRT
Tetrachloroethene	<10	ug/kg dry		10/8/07	CRT
Toluene	<10	ug/kg dry		10/8/07	CRT
trans-1,2-Dichloroethene	<10	ug/kg dry		10/8/07	CRT
trans-1,3-Dichloropropene	<10	ug/kg dry		10/8/07	CRT
Trichloroethene	<10	ug/kg dry		10/8/07	CRT
Trichlorofluoromethane (Freon 11)	<10	ug/kg dry		10/8/07	CRT
Vinyl chloride	<10	ug/kg dry		10/8/07	CRT
Xylenes (Total)	<10	ug/kg dry		10/8/07	CRT
Surrogate (1,2-DCA-d4)	109	%R		10/8/07	CRT
Surrogate (4-BFB)	95	%R		10/8/07	CRT
Surrogate (Tol-d8)	102	%R		10/8/07	CRT
Total Solids @ 103-105 C	84	%		10/3/07	KIS

Elevated detection limit due to matrix interference.



# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID:	0709165-008A	LSL Sample ID:	0717167-016
Location:	SB-04 (20-22) - 092507		
Sampled:	09/25/07 13:55	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<30	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<30	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<30	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<30	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<30	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<30	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<30	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<30	ug/kg dry		10/9/07	CRT
Benzene	<30	ug/kg dry		10/9/07	CRT
Bromobenzene	<30	ug/kg dry		10/9/07	CRT
Bromochloromethane	<30	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<30	ug/kg dry		10/9/07	CRT
Bromoform	<30	ug/kg dry		10/9/07	CRT
Bromomethane	<30	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<30	ug/kg dry		10/9/07	CRT
Chlorobenzene	<30	ug/kg dry		10/9/07	CRT
Chloroethane	<30	ug/kg dry		10/9/07	CRT
Chloroform	<30	ug/kg dry		10/9/07	CRT
Chloromethane	<30	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<30	ug/kg dry		10/9/07	CRT
Dibromomethane	<30	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<30	ug/kg dry		10/9/07	CRT
Ethyl benzene	<30	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<30	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<30	ug/kg dry		10/9/07	CRT
MTBE	<30	ug/kg dry		10/9/07	CRT
Methylene chloride	<30	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<30	ug/kg dry		10/9/07	CRT
Naphthalene	<30	ug/kg dry		10/9/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-008A LSL Sample ID: 0717167-016  
Location: SB-04 (20-22) - 092507  
Sampled: 09/25/07 13:55 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<30	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
Styrene	<30	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<30	ug/kg dry		10/9/07	CRT
Toluene	<30	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
Trichloroethene	<30	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<30	ug/kg dry		10/9/07	CRT
Vinyl chloride	<30	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<30	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	110	%R		10/9/07	CRT
Surrogate (4-BFB)	103	%R		10/9/07	CRT
Surrogate (Tol-d8)	101	%R		10/9/07	CRT
Total Solids @ 103-105 C	84	%		10/3/07	KIS

Elevated detection limit due to matrix interference.

# -- LABORATORY ANALYSIS REPORT --

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	0709165-009A	LSL Sample ID:	0717167-017
Location:	SB-04 (32-34) - 092507		
Sampled:	09/25/07 14:25	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<20	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
Benzene	<20	ug/kg dry		10/9/07	CRT
Bromobenzene	<20	ug/kg dry		10/9/07	CRT
Bromochloromethane	<20	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<20	ug/kg dry		10/9/07	CRT
Bromoform	<20	ug/kg dry		10/9/07	CRT
Bromomethane	<20	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<20	ug/kg dry		10/9/07	CRT
Chlorobenzene	<20	ug/kg dry		10/9/07	CRT
Chloroethane	<20	ug/kg dry		10/9/07	CRT
Chloroform	<20	ug/kg dry		10/9/07	CRT
Chloromethane	<20	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<20	ug/kg dry		10/9/07	CRT
Dibromomethane	<20	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<20	ug/kg dry		10/9/07	CRT
Ethyl benzene	<20	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<20	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<20	ug/kg dry		10/9/07	CRT
MTBE	<20	ug/kg dry		10/9/07	CRT
Methylene chloride	<20	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<20	ug/kg dry		10/9/07	CRT
Naphthalene	<20	ug/kg dry		10/9/07	CRT

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**Life Science Laboratories, Inc.**

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-009A LSL Sample ID: 0717167-017  
Location: SB-04 (32-34) - 092507  
Sampled: 09/25/07 14:25 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<20	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Styrene	<20	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<20	ug/kg dry		10/9/07	CRT
Toluene	<20	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Trichloroethene	<20	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<20	ug/kg dry		10/9/07	CRT
Vinyl chloride	<20	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<20	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	122	%R		10/9/07	CRT
Surrogate (4-BFB)	132	%R		10/9/07	CRT
Surrogate (Tol-d8)	106	%R		10/9/07	CRT
Total Solids @ 103-105 C	82	%		10/3/07	KIS

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	0709165-010A	LSL Sample ID:	0717167-018
Location:	SB-03 (2-4) - 092507		
Sampled:	09/26/07 8:00	Sampled By:	Client
Sample Matrix: SHW Dry Wt			

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<10	ug/kg dry		10/4/07	CRT
1,1,1-Trichloroethane	<10	ug/kg dry		10/4/07	CRT
1,1,2,2-Tetrachloroethane	<10	ug/kg dry		10/4/07	CRT
1,1,2-Trichloroethane	<10	ug/kg dry		10/4/07	CRT
1,1-Dichloroethane	<10	ug/kg dry		10/4/07	CRT
1,1-Dichloroethene	<10	ug/kg dry		10/4/07	CRT
1,1-Dichloropropene	<10	ug/kg dry		10/4/07	CRT
1,2,3-Trichlorobenzene	<10	ug/kg dry		10/4/07	CRT
1,2,3-Trichloropropane	<10	ug/kg dry		10/4/07	CRT
1,2,4-Trichlorobenzene	<10	ug/kg dry		10/4/07	CRT
1,2,4-Trimethylbenzene	<10	ug/kg dry		10/4/07	CRT
1,2-Dibromo-3-chloropropane	<10	ug/kg dry		10/4/07	CRT
1,2-Dibromoethane(EDB)	<10	ug/kg dry		10/4/07	CRT
1,2-Dichlorobenzene	<10	ug/kg dry		10/4/07	CRT
1,2-Dichloroethane	<10	ug/kg dry		10/4/07	CRT
1,2-Dichloropropane	<10	ug/kg dry		10/4/07	CRT
1,3,5-Trimethylbenzene	<10	ug/kg dry		10/4/07	CRT
1,3-Dichlorobenzene	<10	ug/kg dry		10/4/07	CRT
1,3-Dichloropropane	<10	ug/kg dry		10/4/07	CRT
1,4-Dichlorobenzene	<10	ug/kg dry		10/4/07	CRT
2,2-Dichloropropane	<10	ug/kg dry		10/4/07	CRT
2-Chlorotoluene	<10	ug/kg dry		10/4/07	CRT
4-Chlorotoluene	<10	ug/kg dry		10/4/07	CRT
Benzene	<10	ug/kg dry		10/4/07	CRT
Bromobenzene	<10	ug/kg dry		10/4/07	CRT
Bromochloromethane	<10	ug/kg dry		10/4/07	CRT
Bromodichloromethane	<10	ug/kg dry		10/4/07	CRT
Bromoform	<10	ug/kg dry		10/4/07	CRT
Bromomethane	<10	ug/kg dry		10/4/07	CRT
Carbon tetrachloride	<10	ug/kg dry		10/4/07	CRT
Chlorobenzene	<10	ug/kg dry		10/4/07	CRT
Chloroethane	<10	ug/kg dry		10/4/07	CRT
Chloroform	<10	ug/kg dry		10/4/07	CRT
Chloromethane	<10	ug/kg dry		10/4/07	CRT
cis-1,2-Dichloroethene	110	ug/kg dry		10/4/07	CRT
cis-1,3-Dichloropropene	<10	ug/kg dry		10/4/07	CRT
Dibromochloromethane	<10	ug/kg dry		10/4/07	CRT
Dibromomethane	<10	ug/kg dry		10/4/07	CRT
Dichlorodifluoromethane	<10	ug/kg dry		10/4/07	CRT
Ethyl benzene	<10	ug/kg dry		10/4/07	CRT
Hexachlorobutadiene	<10	ug/kg dry		10/4/07	CRT
Isopropylbenzene (Cumene)	<10	ug/kg dry		10/4/07	CRT
MTBE	<10	ug/kg dry		10/4/07	CRT
Methylene chloride	<10	ug/kg dry		10/4/07	CRT
n-Butylbenzene	<10	ug/kg dry		10/4/07	CRT
n-Propylbenzene	<10	ug/kg dry		10/4/07	CRT
Naphthalene	<10	ug/kg dry		10/4/07	CRT

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**Life Science Laboratories, Inc.**

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-010A LSL Sample ID: 0717167-018  
Location: SB-03 (2-4) - 092507  
Sampled: 09/26/07 8:00 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<10	ug/kg dry		10/4/07	CRT
sec-Butylbenzene	<10	ug/kg dry		10/4/07	CRT
Styrene	<10	ug/kg dry		10/4/07	CRT
tert-Butylbenzene	<10	ug/kg dry		10/4/07	CRT
Tetrachloroethene	<10	ug/kg dry		10/4/07	CRT
Toluene	<10	ug/kg dry		10/4/07	CRT
trans-1,2-Dichloroethene	<10	ug/kg dry		10/4/07	CRT
trans-1,3-Dichloropropene	<10	ug/kg dry		10/4/07	CRT
Trichloroethene	<10	ug/kg dry		10/4/07	CRT
Trichlorofluoromethane (Freon 11)	<10	ug/kg dry		10/4/07	CRT
Vinyl chloride	91	ug/kg dry		10/4/07	CRT
Xylenes (Total)	<10	ug/kg dry		10/4/07	CRT
Surrogate (1,2-DCA-d4)	106	%R		10/4/07	CRT
Surrogate (4-BFB)	106	%R		10/4/07	CRT
Surrogate (Tol-d8)	94	%R		10/4/07	CRT
Total Solids @ 103-105 C	64	%		10/3/07	KIS

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	0709165-011A	LSL Sample ID:	0717167-019
Location:	SB-03 (10-12) - 092507		
Sampled:	09/26/07 8:21	Sampled By:	Client
Sample Matrix:	SHW Dry Wt		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/3/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/3/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/3/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/3/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/3/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/3/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/3/07	CRT
Benzene	<200	ug/kg dry		10/3/07	CRT
Bromobenzene	<200	ug/kg dry		10/3/07	CRT
Bromochloromethane	<200	ug/kg dry		10/3/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/3/07	CRT
Bromoform	<200	ug/kg dry		10/3/07	CRT
Bromomethane	<200	ug/kg dry		10/3/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/3/07	CRT
Chlorobenzene	<200	ug/kg dry		10/3/07	CRT
Chloroethane	<200	ug/kg dry		10/3/07	CRT
Chloroform	<200	ug/kg dry		10/3/07	CRT
Chloromethane	<200	ug/kg dry		10/3/07	CRT
cis-1,2-Dichloroethene	840	ug/kg dry		10/3/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/3/07	CRT
Dibromomethane	<200	ug/kg dry		10/3/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/3/07	CRT
Ethyl benzene	<200	ug/kg dry		10/3/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/3/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/3/07	CRT
MTBE	<200	ug/kg dry		10/3/07	CRT
Methylene chloride	<200	ug/kg dry		10/3/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/3/07	CRT
Naphthalene	<200	ug/kg dry		10/3/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/9/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: 0709165-011A LSL Sample ID: 0717167-019  
Location: SB-03 (10-12) - 092507  
Sampled: 09/26/07 8:21 Sampled By: Client  
Sample Matrix: SHW Dry Wt

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/3/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Styrene	<200	ug/kg dry		10/3/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/3/07	CRT
Tetrachloroethene	270	ug/kg dry		10/3/07	CRT
Toluene	<200	ug/kg dry		10/3/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/3/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/3/07	CRT
Trichloroethene	2600	ug/kg dry		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/3/07	CRT
Vinyl chloride	<200	ug/kg dry		10/3/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/3/07	CRT
Surrogate (1,2-DCA-d4)	105	%R		10/3/07	CRT
Surrogate (4-BFB)	96	%R		10/3/07	CRT
Surrogate (Tol-d8)	90	%R		10/3/07	CRT
Total Solids @ 103-105 C	84	%		10/3/07	KIS



# - - REVISED LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: LCS LSL Sample ID: 0717167-020

Location:

Sampled: 09/26/07 0:00

Sampled By:

Sample Matrix: QC

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	102	%R		10/3/07	CRT
1,1,1-Trichloroethane	98	%R		10/3/07	CRT
1,1,2,2-Tetrachloroethane	94	%R		10/3/07	CRT
1,1,2-Trichloroethane	112	%R		10/3/07	CRT
1,1-Dichloroethane	96	%R		10/3/07	CRT
1,1-Dichloroethene	100	%R		10/3/07	CRT
1,1-Dichloropropene	93	%R		10/3/07	CRT
1,2,3-Trichlorobenzene	127	%R		10/3/07	CRT
1,2,3-Trichloropropane	110	%R		10/3/07	CRT
1,2,4-Trichlorobenzene	114	%R		10/3/07	CRT
1,2,4-Trimethylbenzene	117	%R		10/3/07	CRT
1,2-Dibromo-3-chloropropane	117	%R		10/3/07	CRT
1,2-Dibromoethane(EDB)	109	%R		10/3/07	CRT
1,2-Dichlorobenzene	95	%R		10/3/07	CRT
1,2-Dichloroethane	100	%R		10/3/07	CRT
1,2-Dichloropropane	100	%R		10/3/07	CRT
1,3,5-Trimethylbenzene	128	%R		10/3/07	CRT
1,3-Dichlorobenzene	93	%R		10/3/07	CRT
1,3-Dichloropropane	108	%R		10/3/07	CRT
1,4-Dichlorobenzene	99	%R		10/3/07	CRT
2,2-Dichloropropane	101	%R		10/3/07	CRT
2-Chlorotoluene	104	%R		10/3/07	CRT
4-Chlorotoluene	109	%R		10/3/07	CRT
Benzene	101	%R		10/3/07	CRT
Bromobenzene	110	%R		10/3/07	CRT
Bromochloromethane	100	%R		10/3/07	CRT
Bromodichloromethane	98	%R		10/3/07	CRT
Bromoform	112	%R		10/3/07	CRT
Bromomethane	83	%R		10/3/07	CRT
Carbon tetrachloride	86	%R		10/3/07	CRT
Chlorobenzene	96	%R		10/3/07	CRT
Chloroethane	122	%R		10/3/07	CRT
Chloroform	89	%R		10/3/07	CRT
Chloromethane	107	%R		10/3/07	CRT
cis-1,2-Dichloroethene	94	%R		10/3/07	CRT
cis-1,3-Dichloropropene	97	%R		10/3/07	CRT
Dibromochloromethane	107	%R		10/3/07	CRT
Dibromomethane	99	%R		10/3/07	CRT
Dichlorodifluoromethane	138	%R		10/3/07	CRT
Ethyl benzene	91	%R		10/3/07	CRT
Hexachlorobutadiene	95	%R		10/3/07	CRT
Isopropylbenzene (Cumene)	110	%R		10/3/07	CRT
MTBE	94	%R		10/3/07	CRT
Methylene chloride	95	%R		10/3/07	CRT
n-Butylbenzene	110	%R		10/3/07	CRT
n-Propylbenzene	113	%R		10/3/07	CRT
Naphthalene	127	%R		10/3/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/19/07

Original Report Date: 10/09/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- REVISED LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: LCS LSL Sample ID: 0717167-020  
Location:  
Sampled: 09/26/07 0:00 Sampled By:  
Sample Matrix: QC

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	105	%R		10/3/07	CRT
sec-Butylbenzene	112	%R		10/3/07	CRT
Styrene	98	%R		10/3/07	CRT
tert-Butylbenzene	110	%R		10/3/07	CRT
Tetrachloroethene	100	%R		10/3/07	CRT
Toluene	104	%R		10/3/07	CRT
trans-1,2-Dichloroethene	97	%R		10/3/07	CRT
trans-1,3-Dichloropropene	118	%R		10/3/07	CRT
Trichloroethene	102	%R		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	131	%R		10/3/07	CRT
Vinyl chloride	101	%R		10/3/07	CRT
Xylenes (Total)	98	%R		10/3/07	CRT
Surrogate (1,2-DCA-d4)	100	%R		10/3/07	CRT
Surrogate (4-BFB)	105	%R		10/3/07	CRT
Surrogate (Tol-d8)	107	%R		10/3/07	CRT
Total Solids @ 103-105 C	100	%		10/3/07	KIS

# - - REVISED LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID:	Method Blank	LSL Sample ID:	0717167-021
Location:			
Sampled:	09/26/07 0:00	Sampled By:	
Sample Matrix:	QC		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<2	ug/kg dry		10/3/07	CRT
1,1,1-Trichloroethane	<2	ug/kg dry		10/3/07	CRT
1,1,2,2-Tetrachloroethane	<2	ug/kg dry		10/3/07	CRT
1,1,2-Trichloroethane	<2	ug/kg dry		10/3/07	CRT
1,1-Dichloroethane	<2	ug/kg dry		10/3/07	CRT
1,1-Dichloroethene	<2	ug/kg dry		10/3/07	CRT
1,1-Dichloropropene	<2	ug/kg dry		10/3/07	CRT
1,2,3-Trichlorobenzene	<2	ug/kg dry		10/3/07	CRT
1,2,3-Trichloropropane	<2	ug/kg dry		10/3/07	CRT
1,2,4-Trichlorobenzene	<2	ug/kg dry		10/3/07	CRT
1,2,4-Trimethylbenzene	<2	ug/kg dry		10/3/07	CRT
1,2-Dibromo-3-chloropropane	<2	ug/kg dry		10/3/07	CRT
1,2-Dibromoethane(EDB)	<2	ug/kg dry		10/3/07	CRT
1,2-Dichlorobenzene	<2	ug/kg dry		10/3/07	CRT
1,2-Dichloroethane	<2	ug/kg dry		10/3/07	CRT
1,2-Dichloropropane	<2	ug/kg dry		10/3/07	CRT
1,3,5-Trimethylbenzene	<2	ug/kg dry		10/3/07	CRT
1,3-Dichlorobenzene	<2	ug/kg dry		10/3/07	CRT
1,3-Dichloropropane	<2	ug/kg dry		10/3/07	CRT
1,4-Dichlorobenzene	<2	ug/kg dry		10/3/07	CRT
2,2-Dichloropropane	<2	ug/kg dry		10/3/07	CRT
2-Chlorotoluene	<2	ug/kg dry		10/3/07	CRT
4-Chlorotoluene	<2	ug/kg dry		10/3/07	CRT
Benzene	<2	ug/kg dry		10/3/07	CRT
Bromobenzene	<2	ug/kg dry		10/3/07	CRT
Bromochloromethane	<2	ug/kg dry		10/3/07	CRT
Bromodichloromethane	<2	ug/kg dry		10/3/07	CRT
Bromoform	<2	ug/kg dry		10/3/07	CRT
Bromomethane	<2	ug/kg dry		10/3/07	CRT
Carbon tetrachloride	<2	ug/kg dry		10/3/07	CRT
Chlorobenzene	<2	ug/kg dry		10/3/07	CRT
Chloroethane	<2	ug/kg dry		10/3/07	CRT
Chloroform	<2	ug/kg dry		10/3/07	CRT
Chloromethane	<2	ug/kg dry		10/3/07	CRT
cis-1,2-Dichloroethene	<2	ug/kg dry		10/3/07	CRT
cis-1,3-Dichloropropene	<2	ug/kg dry		10/3/07	CRT
Dibromochloromethane	<2	ug/kg dry		10/3/07	CRT
Dibromomethane	<2	ug/kg dry		10/3/07	CRT
Dichlorodifluoromethane	<2	ug/kg dry		10/3/07	CRT
Ethyl benzene	<2	ug/kg dry		10/3/07	CRT
Hexachlorobutadiene	<2	ug/kg dry		10/3/07	CRT
Isopropylbenzene (Cumene)	<2	ug/kg dry		10/3/07	CRT
MTBE	<2	ug/kg dry		10/3/07	CRT
Methylene chloride	<2	ug/kg dry		10/3/07	CRT
n-Butylbenzene	<2	ug/kg dry		10/3/07	CRT
n-Propylbenzene	<2	ug/kg dry		10/3/07	CRT
Naphthalene	<2	ug/kg dry		10/3/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/19/07

Original Report Date: 10/09/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# - - REVISED LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: Method Blank LSL Sample ID: 0717167-021

Location:

Sampled: 09/26/07 0:00 Sampled By:

Sample Matrix: QC

Analytical Method		Prep	Analysis	Analyst
Analyte		Date	Date & Time	Initials
(1) EPA 8260B Volatiles				
4-Isopropyl toluene (Cymene)	<2 ug/kg dry		10/3/07	CRT
sec-Butylbenzene	<2 ug/kg dry		10/3/07	CRT
Styrene	<2 ug/kg dry		10/3/07	CRT
tert-Butylbenzene	<2 ug/kg dry		10/3/07	CRT
Tetrachloroethene	<2 ug/kg dry		10/3/07	CRT
Toluene	<2 ug/kg dry		10/3/07	CRT
trans-1,2-Dichloroethene	<2 ug/kg dry		10/3/07	CRT
trans-1,3-Dichloropropene	<2 ug/kg dry		10/3/07	CRT
Trichloroethene	<2 ug/kg dry		10/3/07	CRT
Trichlorofluoromethane (Freon 11)	<2 ug/kg dry		10/3/07	CRT
Vinyl chloride	<2 ug/kg dry		10/3/07	CRT
Xylenes (Total)	94 %R		10/3/07	CRT
Surrogate (1,2-DCA-d4)	122 %R		10/3/07	CRT
Surrogate (4-BFB)	102 %R		10/3/07	CRT
Surrogate (Tol-d8)	100 %		10/3/07	KIS
Total Solids @ 103-105 C				



# SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:  
 ug/l = microgram per liter  
 ug/kg = microgram per kilogram  
 mg/l = milligram per liter  
 mg/kg = milligram per kilogram  
 %R = Percent Recovery

Life Science Laboratories, Inc.  
5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057

TEL: (315) 437-0200 FAX: (315) 437-0377

Subcontractor:

Life Science Laboratories, Inc.  
5854 Butternut Drive  
East Syracuse, NY 13057

TEL:  
FAX:  
Acct #:

# CHAIN-OF-CUSTODY REC

0717167

LSL\_BL

28-Sep-07

Client Sample ID		Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests	
SB-08 (2-4)-092507		0709165-001A	Soil	09/25/07 8:05	20Z	D2216 1	SW8260B 1
SB-08 (10-12)-092507		0709165-002A	Soil	09/25/07 8:38	20Z	1	1
SB-08 (20-22)-092507		0709165-003A	Soil	09/25/07 9:20	20Z	1	1
SB-08 (32-34)-092507		0709165-004A	Soil	09/25/07 10:15	20Z	1	1
FD-092507		0709165-005A	Soil	09/25/07 0:00	20Z	1	1
SB-04 (2-4)-092507		0709165-006A	Soil	09/25/07 12:59	20Z	1	1
SB-04 (12-14)-092507		0709165-007A	Soil	09/25/07 13:27	20Z	1	1
SB-04 (20-22)-092507		0709165-008A	Soil	09/25/07 13:55	20Z	1	1
SB-04 (32-34)-092507		0709165-009A	Soil	09/25/07 14:25	20Z	1	1
SB-03 (2-4)-092507		0709165-010A	Soil	09/25/07 8:00	20Z	1	1
SB-03 (10-12)-092607		0709165-011A	Soil	09/26/07 8:21	20Z	1	1

Comments:

Results due 10/9. Please report parameters and RLs as per attached list. Send report in attention to Monika Santucci. Include your standard EDD in excel format.

*Marked per sample bottle*

*Please include your LCS and method blanks summary with MS, MSD*

Relinquished by: <i>Mon. Santucci</i>	Date/Time: <i>9/28/07 1:51 PM</i>
Relinquished by:	Date/Time:

Received by: *Mon. Santucci*

Received by: *Mon. Santucci*

3.6% on ice



Life Science Laboratories, Inc.  
5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057

TEL: (315) 437-0200 FAX: (315) 437-0377

Subcontractor:

Life Science Laboratories, Inc.  
5854 Butternut Drive  
East Syracuse, NY 13057

TEL:  
FAX:  
Acct #:



# CHAIN-OF-CUSTODY REC

0717167  
ISL\_BL

28-Sep-07

Client Sample ID	Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests		
					D2246	SW8260B	
SB-03 (18-20)-092607	0709165-012A	Soil	09/26/07 8:39	20Z	1	1	001
SB-03 (30-32)-092607	0709165-013A	Soil	09/26/07 9:14	20Z	1	1	002
SB-07 (2-4)-092607	0709165-014A	Soil	09/26/07 12:29	20Z	1	1	003
SB-07 (16-18)-092607	0709165-015A	Soil	09/26/07 13:05	20Z	1	3	004, 5, 6
SB-07 (22-24)-092607	0709165-016A	Soil	09/26/07 13:17	20Z	1	1	007
SB-07 (28-30)-092607	0709165-017A	Soil	09/26/07 13:30	20Z	1	1	008

Comments: Results due 10/9. Please report paramters and RLs as per attached list. Send report in attention to Monika Santucci. Include your standard EDD in excel format.

Relinquished by: 	Date/Time: 9/28/07 11:51 AM
Relinquished by: 	Date/Time: 09-28-07 13:54 RCVD

3.6°C on ice



Life Science Laboratories, Inc.  
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200  
East Syracuse, New York 13057  
(315) 437-0200

Chain of Custody

Client: O'Brien & Gere		Analysis/Method				
Project: BMS Ventilation						
Sampled by: Paul Freyer						
Client Contact: Dave Casanova		Phone # 437-6100 x2571				
Sample Description						
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Comments
SB-08(2-4)-092507	9-25-07	0805	Soil	grab	1	
SB-08(10-12)-092507	9-25-07	0838	Soil	grab	1	
SB-08(20-22)-092507	9-25-07	0920	Soil	grab	1	
SB-08(32-34)-092507	9-25-07	1015	Soil	grab	1	
FD-092507	9-25-07	-	Soil	grab	1	
SB-04(2-4)-092507	9-25-07	1259	Soil	grab	1	
SB-04(12-14)-092507	9-25-07	1327	Soil	grab	1	
SB-04(20-22)-092507	9-25-07	1355	Soil	grab	1	
SB-04(32-34)-092507	9-25-07	1425	Soil	grab	1	
SB-03(2-4)-092607	9-26-07	0800	Soil	grab	1	
SB-03(10-12)-092607	9-26-07	0821	Soil	grab	1	
SB-03(18-20)-092607	9-26-07	0839	Soil	grab	1	
Relinquished by: Paul A. Freyer	Date: 09-26-07	Time: 1815	Received by:			Date: Time:
Relinquished by:	Date:	Time:	Received by:			Date: Time:
Relinquished by:	Date:	Time:	Received by Lab: [Signature]			Date: 9/27/07 Time: 0800
Shipment Method:		Airbill Number:				

Turnaround Time Required:

Routine \_\_\_\_\_  
Rush (Specify) \_\_\_\_\_

Comments:

Cooler Temperature: 1.4°C @ ice  
Custody Seal INTACT

Original - Laboratory  
Copy - Client





5000 Brittonfield Parkway, Suite 200  
East Syracuse, New York 13057  
(315) 437-0200

# Chain of Custody

Client: O'Brien & Gere								Analysis/Method													
Project: BMS Krutulis																					
Sampled by: Paul Freyer																					
Client Contact: Dave Carnevale Phone # 437-6100 x 2571																					
Sample Description								Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	VOC								Comments
SB-03(30-32)-092607								9-26-07	0914	Soil	Grab	1	X								
SB-07(2-4)-092607								9-26-07	1229	Soil	Grab	1	X								
SB-07(16-18)-092607								9-26-07	1305	Soil	Grab	1	X								
SB-07(22-24)-092607								9-26-07	1317	Soil	Grab	1	X								
SB-07(28-30)-092607								9-26-07	1330	Soil	Grab	1	X								
MS - 092607								9-26-07	1305	Soil	Grab	1	X						SB-07 (16-18)		
MSD - 092607								9-26-07	1305	Soil	Grab	1	X						SB-07 (16-18)		
Relinquished by: Paul A. Freyer								Date: 9-26-07 Time: 1815				Received by:		Date:		Time:					
Relinquished by:								Date:				Time:		Received by:		Date:		Time:			
Relinquished by:								Date:				Time:		Received by Lab:		Date: 9/27/07 Time: 0800					
Shipment Method:								Airbill Number:													

Turnaround Time Required:

Routine

Rush (Specify)

Comments:

Cooler Temperature:

64°C and ice  
custody seal intact.

Original - Laboratory  
Copy - Client

# Life Science Laboratories, Inc.

## Sample Receipt Checklist

Client Name: **OBG-MS**

Date and Time Received: **9/27/2007 8:00:00 AM**

Work Order Number **0709165**

Received by: **ads**

Checklist completed by:

Initials

Date

9/27/07

Reviewed by:

Initials

Date

9/27/07

Matrix:

Carrier name: Hand Delivered

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

Yes ☐

No ☐

No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

Not Applicable ☒

Comments:

Corrective Action::

# CASE FILE FORM

## PROGRAM INFORMATION

CLIENT: O'Brien & Gere DIV. 071 REF. No. \_\_\_\_\_

PROGRAM: BMS Koutulis

CUSTODY SEAL: ✓ INTACT \_\_\_\_\_ NOT INTACT \_\_\_\_\_ NA \_\_\_\_\_

## AFTER HOURS CUSTODY

### RELINQUISHED BY:

### RECEIVED BY:

CLIENT: <u>Paul A. Fryer</u>	DATE <u>9-26-07</u>	TIME <u>1815</u>	SECURITY GUARD: <u>R. E. Lopez</u>	DATE <u>9/26/07</u>	TIME <u>1815</u>
GUARD TO COOLER: <u>Don Lopez</u>	DATE <u>9/26/07</u>	TIME <u>1825</u>	SAMPLE CUSTODIAN <u>[Signature]</u>	DATE <u>9/27/07</u>	TIME <u>0800</u>

## COMMENTS/DISCREPANCIES:


## RESOLUTION/CLIENT COMMENT:


SIGNED: \_\_\_\_\_

DATE: \_\_\_\_\_

QA/QC APPROVAL: \_\_\_\_\_

SIGNED: \_\_\_\_\_

DATE: \_\_\_\_\_



**Life Science Laboratories, Inc.**

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057

(315) 437-0200

Saturday, October 20, 2007

**Dave Carnevale**

O'Brien & Gere Engineers, Inc.  
5000 Brittonfield Parkway  
PO Box 4873  
Syracuse, NY 13221-4873

TEL: 315-437-6100

Project: BMS-KRUTULIS

RE: Analytical Results

Order No.: 0710001

Dear Dave Carnevale:

Life Science Laboratories, Inc. received 17 sample(s) on 9/28/2007 for the analyses presented in the following report.

Very truly yours,  
Life Science Laboratories, Inc.

Monika Santucci  
Project Manager



Monika Santucci  
Life Science Laboratories, Inc.  
5000 Brittonfield Parkway  
East Syracuse, NY 13057

Phone: (315) 437-0200

# Laboratory Analysis Report For Life Science Laboratories, Inc.

LSL Project ID: 0717315

Receive Date/Time: 10/02/07 11:57

Project Received by: RD

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

## Life Science Laboratories, Inc.

- (1) LSL Central Lab, East Syracuse, NY
- (2) LSL North Lab, Waddington, NY
- (3) LSL Finger Lakes Lab, Wayland, NY
- (4) LSL Southern Tier Lab, Cuba, NY
- (5) LSL MidLakes Lab, Canandaigua, NY
- (6) LSL Brittonfield Lab, East Syracuse, NY

(315) 445-1105  
(315) 388-4476  
(585) 728-3320  
(585) 968-2640  
(585) 396-0270  
(315) 437-0200

NYS DOH ELAP #10248 PA DEP #68-2556  
NYS DOH ELAP #10900  
NYS DOH ELAP #11667  
NYS DOH ELAP #10760  
NYS DOH ELAP #11369  
NYS DOH ELAP #10155

This report was reviewed by:

  
Life Science Laboratories, Inc.

Date:

10/11/07

A copy of this report was sent to:

Page 1 of 39

Date Printed: 10/11/07

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID:	SB-06 (2-4) - 092707	LSL Sample ID:	0717315-001
Location:	0710001-001A		
Sampled:	09/27/07 8:04	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<2	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
Benzene	<2	ug/kg dry		10/9/07	CRT
Bromobenzene	<2	ug/kg dry		10/9/07	CRT
Bromochloromethane	<2	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<2	ug/kg dry		10/9/07	CRT
Bromoform	<2	ug/kg dry		10/9/07	CRT
Bromomethane	<2	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<2	ug/kg dry		10/9/07	CRT
Chlorobenzene	<2	ug/kg dry		10/9/07	CRT
Chloroethane	<2	ug/kg dry		10/9/07	CRT
Chloroform	<2	ug/kg dry		10/9/07	CRT
Chloromethane	<2	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<2	ug/kg dry		10/9/07	CRT
Dibromomethane	<2	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<2	ug/kg dry		10/9/07	CRT
Ethyl benzene	<2	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<2	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<2	ug/kg dry		10/9/07	CRT
MTBE	<2	ug/kg dry		10/9/07	CRT
Methylene chloride	<2	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<2	ug/kg dry		10/9/07	CRT
Naphthalene	<2	ug/kg dry		10/9/07	CRT

Life Science Laboratories, Inc.

Page 2 of 39

Date Printed: 10/11/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-06 (2-4) - 092707 LSL Sample ID: 0717315-001  
Location: 0710001-001A  
Sampled: 09/27/07 8:04 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<2	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
Styrene	<2	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<2	ug/kg dry		10/9/07	CRT
Toluene	<2	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
Trichloroethene	<2	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<2	ug/kg dry		10/9/07	CRT
Vinyl chloride	<2	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<2	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	107	%R		10/9/07	CRT
Surrogate (4-BFB)	107	%R		10/9/07	CRT
Surrogate (Tol-d8)	94	%R		10/9/07	CRT
Total Solids @ 103-105 C	91	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

<b>Sample ID:</b>	SB-06 (8-10) - 092707	<b>LSL Sample ID:</b>	0717315-002
<b>Location:</b>	0710001-002A		
<b>Sampled:</b>	09/27/07 8:27	<b>Sampled By:</b>	Client
<b>Sample Matrix:</b>	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<9	ug/kg dry		10/5/07	CRT
1,1,1-Trichloroethane	<9	ug/kg dry		10/5/07	CRT
1,1,2,2-Tetrachloroethane	<9	ug/kg dry		10/5/07	CRT
1,1,2-Trichloroethane	<9	ug/kg dry		10/5/07	CRT
1,1-Dichloroethane	<9	ug/kg dry		10/5/07	CRT
1,1-Dichloroethene	<9	ug/kg dry		10/5/07	CRT
1,1-Dichloropropene	<9	ug/kg dry		10/5/07	CRT
1,2,3-Trichlorobenzene	<9	ug/kg dry		10/5/07	CRT
1,2,3-Trichloropropane	<9	ug/kg dry		10/5/07	CRT
1,2,4-Trichlorobenzene	<9	ug/kg dry		10/5/07	CRT
1,2,4-Trimethylbenzene	<9	ug/kg dry		10/5/07	CRT
1,2-Dibromo-3-chloropropane	<9	ug/kg dry		10/5/07	CRT
1,2-Dibromoethane(EDB)	<9	ug/kg dry		10/5/07	CRT
1,2-Dichlorobenzene	<9	ug/kg dry		10/5/07	CRT
1,2-Dichloroethane	<9	ug/kg dry		10/5/07	CRT
1,2-Dichloropropane	<9	ug/kg dry		10/5/07	CRT
1,3,5-Trimethylbenzene	<9	ug/kg dry		10/5/07	CRT
1,3-Dichlorobenzene	<9	ug/kg dry		10/5/07	CRT
1,3-Dichloropropane	<9	ug/kg dry		10/5/07	CRT
1,4-Dichlorobenzene	<9	ug/kg dry		10/5/07	CRT
2,2-Dichloropropane	<9	ug/kg dry		10/5/07	CRT
2-Chlorotoluene	<9	ug/kg dry		10/5/07	CRT
4-Chlorotoluene	<9	ug/kg dry		10/5/07	CRT
Benzene	<9	ug/kg dry		10/5/07	CRT
Bromobenzene	<9	ug/kg dry		10/5/07	CRT
Bromochloromethane	<9	ug/kg dry		10/5/07	CRT
Bromodichloromethane	<9	ug/kg dry		10/5/07	CRT
Bromoform	<9	ug/kg dry		10/5/07	CRT
Bromomethane	<9	ug/kg dry		10/5/07	CRT
Carbon tetrachloride	<9	ug/kg dry		10/5/07	CRT
Chlorobenzene	<9	ug/kg dry		10/5/07	CRT
Chloroethane	<9	ug/kg dry		10/5/07	CRT
Chloroform	<9	ug/kg dry		10/5/07	CRT
Chloromethane	<9	ug/kg dry		10/5/07	CRT
cis-1,2-Dichloroethene	86	ug/kg dry		10/5/07	CRT
cis-1,3-Dichloropropene	<9	ug/kg dry		10/5/07	CRT
Dibromochloromethane	<9	ug/kg dry		10/5/07	CRT
Dibromomethane	<9	ug/kg dry		10/5/07	CRT
Dichlorodifluoromethane	<9	ug/kg dry		10/5/07	CRT
Ethyl benzene	<9	ug/kg dry		10/5/07	CRT
Hexachlorobutadiene	<9	ug/kg dry		10/5/07	CRT
Isopropylbenzene (Cumene)	<9	ug/kg dry		10/5/07	CRT
MTBE	<9	ug/kg dry		10/5/07	CRT
Methylene chloride	<9	ug/kg dry		10/5/07	CRT
n-Butylbenzene	<9	ug/kg dry		10/5/07	CRT
n-Propylbenzene	<9	ug/kg dry		10/5/07	CRT
Naphthalene	<9	ug/kg dry		10/5/07	CRT

Life Science Laboratories, Inc.

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Date Printed: 10/11/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield



# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-06 (8-10) - 092707 LSL Sample ID: 0717315-002  
Location: 0710001-002A  
Sampled: 09/27/07 8:27 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<9	ug/kg dry		10/5/07	CRT
sec-Butylbenzene	<9	ug/kg dry		10/5/07	CRT
Styrene	<9	ug/kg dry		10/5/07	CRT
tert-Butylbenzene	<9	ug/kg dry		10/5/07	CRT
Tetrachloroethene	<9	ug/kg dry		10/5/07	CRT
Toluene	<9	ug/kg dry		10/5/07	CRT
trans-1,2-Dichloroethene	<9	ug/kg dry		10/5/07	CRT
trans-1,3-Dichloropropene	<9	ug/kg dry		10/5/07	CRT
Trichloroethene	510	ug/kg dry		10/5/07	CRT
Trichlorofluoromethane (Freon 11)	<9	ug/kg dry		10/5/07	CRT
Vinyl chloride	<9	ug/kg dry		10/5/07	CRT
Xylenes (Total)	<9	ug/kg dry		10/5/07	CRT
Surrogate (1,2-DCA-d4)	114	%R		10/5/07	CRT
Surrogate (4-BFB)	106	%R		10/5/07	CRT
Surrogate (Tol-d8)	92	%R		10/5/07	CRT
Total Solids @ 103-105 C	82	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-06 (22-24) - 092707	LSL Sample ID:	0717315-003
Location:	0710001-003A		
Sampled:	09/27/07 9:06	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/10/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/10/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/10/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/10/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/10/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/10/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/10/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/10/07	CRT
Benzene	<200	ug/kg dry		10/10/07	CRT
Bromobenzene	<200	ug/kg dry		10/10/07	CRT
Bromochloromethane	<200	ug/kg dry		10/10/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/10/07	CRT
Bromoform	<200	ug/kg dry		10/10/07	CRT
Bromomethane	<200	ug/kg dry		10/10/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/10/07	CRT
Chlorobenzene	<200	ug/kg dry		10/10/07	CRT
Chloroethane	<200	ug/kg dry		10/10/07	CRT
Chloroform	<200	ug/kg dry		10/10/07	CRT
Chloromethane	<200	ug/kg dry		10/10/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/10/07	CRT
Dibromomethane	<200	ug/kg dry		10/10/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/10/07	CRT
Ethyl benzene	<200	ug/kg dry		10/10/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/10/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/10/07	CRT
MTBE	<200	ug/kg dry		10/10/07	CRT
Methylene chloride	<200	ug/kg dry		10/10/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/10/07	CRT
Naphthalene	<200	ug/kg dry		10/10/07	CRT

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-06 (22-24) - 092707 LSL Sample ID: 0717315-003  
Location: 0710001-003A  
Sampled: 09/27/07 9:06 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/10/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
Styrene	<200	ug/kg dry		10/10/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/10/07	CRT
Toluene	1200	ug/kg dry		10/10/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
Trichloroethene	8500	ug/kg dry		10/10/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/10/07	CRT
Vinyl chloride	<200	ug/kg dry		10/10/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/10/07	CRT
Surrogate (1,2-DCA-d4)	125	%R		10/10/07	CRT
Surrogate (4-BFB)	98	%R		10/10/07	CRT
Surrogate (Tol-d8)	87	%R		10/10/07	CRT
Total Solids @ 103-105 C	80	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-06 (28-30) - 092707	LSL Sample ID:	0717315-004
Location:	0710001-004A		
Sampled:	09/27/07 9:24	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/10/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/10/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/10/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/10/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/10/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/10/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/10/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/10/07	CRT
Benzene	<200	ug/kg dry		10/10/07	CRT
Bromobenzene	<200	ug/kg dry		10/10/07	CRT
Bromochloromethane	<200	ug/kg dry		10/10/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/10/07	CRT
Bromoform	<200	ug/kg dry		10/10/07	CRT
Bromomethane	<200	ug/kg dry		10/10/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/10/07	CRT
Chlorobenzene	<200	ug/kg dry		10/10/07	CRT
Chloroethane	<200	ug/kg dry		10/10/07	CRT
Chloroform	<200	ug/kg dry		10/10/07	CRT
Chloromethane	<200	ug/kg dry		10/10/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/10/07	CRT
Dibromomethane	<200	ug/kg dry		10/10/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/10/07	CRT
Ethyl benzene	<200	ug/kg dry		10/10/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/10/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/10/07	CRT
MTBE	<200	ug/kg dry		10/10/07	CRT
Methylene chloride	<200	ug/kg dry		10/10/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/10/07	CRT
Naphthalene	<200	ug/kg dry		10/10/07	CRT

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-06 (28-30) - 092707 LSL Sample ID: 0717315-004  
Location: 0710001-004A  
Sampled: 09/27/07 9:24 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/10/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
Styrene	<200	ug/kg dry		10/10/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/10/07	CRT
Toluene	350	ug/kg dry		10/10/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
Trichloroethene	3300	ug/kg dry		10/10/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/10/07	CRT
Vinyl chloride	<200	ug/kg dry		10/10/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/10/07	CRT
Surrogate (1,2-DCA-d4)	116	%R		10/10/07	CRT
Surrogate (4-BFB)	100	%R		10/10/07	CRT
Surrogate (Tol-d8)	90	%R		10/10/07	CRT
Total Solids @ 103-105 C	83	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-01 (2-4) - 092707	LSL Sample ID:	0717315-005
Location:	0710001-005A		
Sampled:	09/27/07 12:20	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<2	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
Benzene	<2	ug/kg dry		10/9/07	CRT
Bromobenzene	<2	ug/kg dry		10/9/07	CRT
Bromochloromethane	<2	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<2	ug/kg dry		10/9/07	CRT
Bromoform	<2	ug/kg dry		10/9/07	CRT
Bromomethane	<2	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<2	ug/kg dry		10/9/07	CRT
Chlorobenzene	<2	ug/kg dry		10/9/07	CRT
Chloroethane	<2	ug/kg dry		10/9/07	CRT
Chloroform	<2	ug/kg dry		10/9/07	CRT
Chloromethane	<2	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<2	ug/kg dry		10/9/07	CRT
Dibromomethane	<2	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<2	ug/kg dry		10/9/07	CRT
Ethyl benzene	<2	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<2	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<2	ug/kg dry		10/9/07	CRT
MTBE	<2	ug/kg dry		10/9/07	CRT
Methylene chloride	<2	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<2	ug/kg dry		10/9/07	CRT
Naphthalene	<2	ug/kg dry		10/9/07	CRT

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-01 (2-4) - 092707 LSL Sample ID: 0717315-005  
Location: 0710001-005A  
Sampled: 09/27/07 12:20 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<2	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
Styrene	<2	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<2	ug/kg dry		10/9/07	CRT
Toluene	<2	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
Trichloroethene	5.3	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<2	ug/kg dry		10/9/07	CRT
Vinyl chloride	<2	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<2	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	109	%R		10/9/07	CRT
Surrogate (4-BFB)	104	%R		10/9/07	CRT
Surrogate (Tol-d8)	97	%R		10/9/07	CRT
Total Solids @ 103-105 C	82	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-01 (10-12) - 092707	LSL Sample ID:	0717315-006
Location:	0710001-006A		
Sampled:	09/27/07 12:36	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<10	ug/kg dry		10/5/07	CRT
1,1,1-Trichloroethane	<10	ug/kg dry		10/5/07	CRT
1,1,2,2-Tetrachloroethane	<10	ug/kg dry		10/5/07	CRT
1,1,2-Trichloroethane	<10	ug/kg dry		10/5/07	CRT
1,1-Dichloroethane	<10	ug/kg dry		10/5/07	CRT
1,1-Dichloroethene	<10	ug/kg dry		10/5/07	CRT
1,1-Dichloropropene	<10	ug/kg dry		10/5/07	CRT
1,2,3-Trichlorobenzene	<10	ug/kg dry		10/5/07	CRT
1,2,3-Trichloropropane	<10	ug/kg dry		10/5/07	CRT
1,2,4-Trichlorobenzene	<10	ug/kg dry		10/5/07	CRT
1,2,4-Trimethylbenzene	<10	ug/kg dry		10/5/07	CRT
1,2-Dibromo-3-chloropropane	<10	ug/kg dry		10/5/07	CRT
1,2-Dibromoethane(EDB)	<10	ug/kg dry		10/5/07	CRT
1,2-Dichlorobenzene	<10	ug/kg dry		10/5/07	CRT
1,2-Dichloroethane	<10	ug/kg dry		10/5/07	CRT
1,2-Dichloropropane	<10	ug/kg dry		10/5/07	CRT
1,3,5-Trimethylbenzene	<10	ug/kg dry		10/5/07	CRT
1,3-Dichlorobenzene	<10	ug/kg dry		10/5/07	CRT
1,3-Dichloropropane	<10	ug/kg dry		10/5/07	CRT
1,4-Dichlorobenzene	<10	ug/kg dry		10/5/07	CRT
2,2-Dichloropropane	<10	ug/kg dry		10/5/07	CRT
2-Chlorotoluene	<10	ug/kg dry		10/5/07	CRT
4-Chlorotoluene	<10	ug/kg dry		10/5/07	CRT
Benzene	<10	ug/kg dry		10/5/07	CRT
Bromobenzene	<10	ug/kg dry		10/5/07	CRT
Bromochloromethane	<10	ug/kg dry		10/5/07	CRT
Bromodichloromethane	<10	ug/kg dry		10/5/07	CRT
Bromoform	<10	ug/kg dry		10/5/07	CRT
Bromomethane	<10	ug/kg dry		10/5/07	CRT
Carbon tetrachloride	<10	ug/kg dry		10/5/07	CRT
Chlorobenzene	<10	ug/kg dry		10/5/07	CRT
Chloroethane	<10	ug/kg dry		10/5/07	CRT
Chloroform	<10	ug/kg dry		10/5/07	CRT
Chloromethane	<10	ug/kg dry		10/5/07	CRT
cis-1,2-Dichloroethene	<10	ug/kg dry		10/5/07	CRT
cis-1,3-Dichloropropene	<10	ug/kg dry		10/5/07	CRT
Dibromochloromethane	<10	ug/kg dry		10/5/07	CRT
Dibromomethane	<10	ug/kg dry		10/5/07	CRT
Dichlorodifluoromethane	<10	ug/kg dry		10/5/07	CRT
Ethyl benzene	<10	ug/kg dry		10/5/07	CRT
Hexachlorobutadiene	<10	ug/kg dry		10/5/07	CRT
Isopropylbenzene (Cumene)	<10	ug/kg dry		10/5/07	CRT
MTBE	<10	ug/kg dry		10/5/07	CRT
Methylene chloride	<10	ug/kg dry		10/5/07	CRT
n-Butylbenzene	<10	ug/kg dry		10/5/07	CRT
n-Propylbenzene	<10	ug/kg dry		10/5/07	CRT
Naphthalene	<10	ug/kg dry		10/5/07	CRT



# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-01 (10-12) - 092707 LSL Sample ID: 0717315-006  
Location: 0710001-006A  
Sampled: 09/27/07 12:36 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<10	ug/kg dry		10/5/07	CRT
sec-Butylbenzene	<10	ug/kg dry		10/5/07	CRT
Styrene	<10	ug/kg dry		10/5/07	CRT
tert-Butylbenzene	<10	ug/kg dry		10/5/07	CRT
Tetrachloroethene	<10	ug/kg dry		10/5/07	CRT
Toluene	<10	ug/kg dry		10/5/07	CRT
trans-1,2-Dichloroethene	<10	ug/kg dry		10/5/07	CRT
trans-1,3-Dichloropropene	<10	ug/kg dry		10/5/07	CRT
Trichloroethene	<10	ug/kg dry		10/5/07	CRT
Trichlorofluoromethane (Freon 11)	<10	ug/kg dry		10/5/07	CRT
Vinyl chloride	<10	ug/kg dry		10/5/07	CRT
Xylenes (Total)	<10	ug/kg dry		10/5/07	CRT
Surrogate (1,2-DCA-d4)	114	%R		10/5/07	CRT
Surrogate (4-BFB)	104	%R		10/5/07	CRT
Surrogate (Tol-d8)	93	%R		10/5/07	CRT
Total Solids @ 103-105 C	82	%		10/8/07	CRT

Elevated detection limit due to matrix interference.

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-01 (18-20) - 092707	LSL Sample ID:	0717315-007
Location:	0710001-007A		
Sampled:	09/27/07 12:49	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<20	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
Benzene	<20	ug/kg dry		10/9/07	CRT
Bromobenzene	<20	ug/kg dry		10/9/07	CRT
Bromochloromethane	<20	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<20	ug/kg dry		10/9/07	CRT
Bromoform	<20	ug/kg dry		10/9/07	CRT
Bromomethane	<20	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<20	ug/kg dry		10/9/07	CRT
Chlorobenzene	<20	ug/kg dry		10/9/07	CRT
Chloroethane	<20	ug/kg dry		10/9/07	CRT
Chloroform	<20	ug/kg dry		10/9/07	CRT
Chloromethane	<20	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<20	ug/kg dry		10/9/07	CRT
Dibromomethane	<20	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<20	ug/kg dry		10/9/07	CRT
Ethyl benzene	<20	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<20	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<20	ug/kg dry		10/9/07	CRT
MTBE	<20	ug/kg dry		10/9/07	CRT
Methylene chloride	<20	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<20	ug/kg dry		10/9/07	CRT
Naphthalene	<20	ug/kg dry		10/9/07	CRT

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-01 (18-20) - 092707 LSL Sample ID: 0717315-007  
Location: 0710001-007A  
Sampled: 09/27/07 12:49 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method		Prep	Analysis	Analyst
Analyte	Result	Date	Date & Time	Initials
(1) EPA 8260B Volatiles				
4-Isopropyl toluene (Cymene)	<20 ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<20 ug/kg dry		10/9/07	CRT
Styrene	<20 ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<20 ug/kg dry		10/9/07	CRT
Tetrachloroethene	<20 ug/kg dry		10/9/07	CRT
Toluene	<20 ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<20 ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<20 ug/kg dry		10/9/07	CRT
Trichloroethene	<20 ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<20 ug/kg dry		10/9/07	CRT
Vinyl chloride	<20 ug/kg dry		10/9/07	CRT
Xylenes (Total)	<20 ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	124 %R		10/9/07	CRT
Surrogate (4-BFB)	123 %R		10/9/07	CRT
Surrogate (Tol-d8)	102 %R		10/9/07	CRT
Total Solids @ 103-105 C	83 %		10/8/07	CRT

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-01 (24-26) - 092707	LSL Sample ID:	0717315-008
Location:	0710001-008A		
Sampled:	09/27/07 13:00	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<20	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
Benzene	<20	ug/kg dry		10/9/07	CRT
Bromobenzene	<20	ug/kg dry		10/9/07	CRT
Bromochloromethane	<20	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<20	ug/kg dry		10/9/07	CRT
Bromoform	<20	ug/kg dry		10/9/07	CRT
Bromomethane	<20	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<20	ug/kg dry		10/9/07	CRT
Chlorobenzene	<20	ug/kg dry		10/9/07	CRT
Chloroethane	<20	ug/kg dry		10/9/07	CRT
Chloroform	<20	ug/kg dry		10/9/07	CRT
Chloromethane	<20	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<20	ug/kg dry		10/9/07	CRT
Dibromomethane	<20	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<20	ug/kg dry		10/9/07	CRT
Ethyl benzene	<20	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<20	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<20	ug/kg dry		10/9/07	CRT
MTBE	<20	ug/kg dry		10/9/07	CRT
Methylene chloride	<20	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<20	ug/kg dry		10/9/07	CRT
Naphthalene	<20	ug/kg dry		10/9/07	CRT

Life Science Laboratories, Inc.

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Date Printed: 10/11/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-01 (24-26) - 092707 LSL Sample ID: 0717315-008  
Location: 0710001-008A  
Sampled: 09/27/07 13:00 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<20	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Styrene	<20	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<20	ug/kg dry		10/9/07	CRT
Toluene	<20	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Trichloroethene	<20	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<20	ug/kg dry		10/9/07	CRT
Vinyl chloride	<20	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<20	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	120	%R		10/9/07	CRT
Surrogate (4-BFB)	167	%R		10/9/07	CRT
Surrogate (Tol-d8)	126	%R		10/9/07	CRT
Total Solids @ 103-105 C	84	%		10/8/07	CRT

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc.    East Syracuse, NY

Sample ID:	FD-092707	LSL Sample ID:	0717315-009
Location:	0710001-009A		
Sampled:	09/27/07 0:00	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<20	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
Benzene	<20	ug/kg dry		10/9/07	CRT
Bromobenzene	<20	ug/kg dry		10/9/07	CRT
Bromochloromethane	<20	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<20	ug/kg dry		10/9/07	CRT
Bromoform	<20	ug/kg dry		10/9/07	CRT
Bromomethane	<20	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<20	ug/kg dry		10/9/07	CRT
Chlorobenzene	<20	ug/kg dry		10/9/07	CRT
Chloroethane	<20	ug/kg dry		10/9/07	CRT
Chloroform	<20	ug/kg dry		10/9/07	CRT
Chloromethane	<20	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<20	ug/kg dry		10/9/07	CRT
Dibromomethane	<20	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<20	ug/kg dry		10/9/07	CRT
Ethyl benzene	<20	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<20	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<20	ug/kg dry		10/9/07	CRT
MTBE	<20	ug/kg dry		10/9/07	CRT
Methylene chloride	<20	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<20	ug/kg dry		10/9/07	CRT
Naphthalene	<20	ug/kg dry		10/9/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: FD-092707 LSL Sample ID: 0717315-009  
Location: 0710001-009A  
Sampled: 09/27/07 0:00 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<20	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Styrene	<20	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<20	ug/kg dry		10/9/07	CRT
Toluene	<20	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Trichloroethene	<20	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<20	ug/kg dry		10/9/07	CRT
Vinyl chloride	<20	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<20	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	128	%R		10/9/07	CRT
Surrogate (4-BFB)	155	%R		10/9/07	CRT
Surrogate (Tol-d8)	119	%R		10/9/07	CRT
Total Solids @ 103-105 C	85	%		10/8/07	CRT

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-02 (2-4) - 092707	LSL Sample ID:	0717315-010
Location:	0710001-010A		
Sampled:	09/27/07 13:47	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<20	ug/kg dry		10/6/07	CRT
1,1,1-Trichloroethane	<20	ug/kg dry		10/6/07	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg dry		10/6/07	CRT
1,1,2-Trichloroethane	<20	ug/kg dry		10/6/07	CRT
1,1-Dichloroethane	<20	ug/kg dry		10/6/07	CRT
1,1-Dichloroethene	<20	ug/kg dry		10/6/07	CRT
1,1-Dichloropropene	<20	ug/kg dry		10/6/07	CRT
1,2,3-Trichlorobenzene	<20	ug/kg dry		10/6/07	CRT
1,2,3-Trichloropropane	<20	ug/kg dry		10/6/07	CRT
1,2,4-Trichlorobenzene	<20	ug/kg dry		10/6/07	CRT
1,2,4-Trimethylbenzene	<20	ug/kg dry		10/6/07	CRT
1,2-Dibromo-3-chloropropane	<20	ug/kg dry		10/6/07	CRT
1,2-Dibromoethane(EDB)	<20	ug/kg dry		10/6/07	CRT
1,2-Dichlorobenzene	<20	ug/kg dry		10/6/07	CRT
1,2-Dichloroethane	<20	ug/kg dry		10/6/07	CRT
1,2-Dichloropropane	<20	ug/kg dry		10/6/07	CRT
1,3,5-Trimethylbenzene	<20	ug/kg dry		10/6/07	CRT
1,3-Dichlorobenzene	<20	ug/kg dry		10/6/07	CRT
1,3-Dichloropropane	<20	ug/kg dry		10/6/07	CRT
1,4-Dichlorobenzene	<20	ug/kg dry		10/6/07	CRT
2,2-Dichloropropane	<20	ug/kg dry		10/6/07	CRT
2-Chlorotoluene	<20	ug/kg dry		10/6/07	CRT
4-Chlorotoluene	<20	ug/kg dry		10/6/07	CRT
Benzene	52	ug/kg dry		10/6/07	CRT
Bromobenzene	<20	ug/kg dry		10/6/07	CRT
Bromochloromethane	<20	ug/kg dry		10/6/07	CRT
Bromodichloromethane	<20	ug/kg dry		10/6/07	CRT
Bromoform	<20	ug/kg dry		10/6/07	CRT
Bromomethane	<20	ug/kg dry		10/6/07	CRT
Carbon tetrachloride	<20	ug/kg dry		10/6/07	CRT
Chlorobenzene	<20	ug/kg dry		10/6/07	CRT
Chloroethane	<20	ug/kg dry		10/6/07	CRT
Chloroform	<20	ug/kg dry		10/6/07	CRT
Chloromethane	<20	ug/kg dry		10/6/07	CRT
cis-1,2-Dichloroethene	1200	ug/kg dry		10/6/07	CRT
cis-1,3-Dichloropropene	<20	ug/kg dry		10/6/07	CRT
Dibromochloromethane	<20	ug/kg dry		10/6/07	CRT
Dibromomethane	<20	ug/kg dry		10/6/07	CRT
Dichlorodifluoromethane	<20	ug/kg dry		10/6/07	CRT
Ethyl benzene	<20	ug/kg dry		10/6/07	CRT
Hexachlorobutadiene	<20	ug/kg dry		10/6/07	CRT
Isopropylbenzene (Cumene)	<20	ug/kg dry		10/6/07	CRT
MTBE	<20	ug/kg dry		10/6/07	CRT
Methylene chloride	<20	ug/kg dry		10/6/07	CRT
n-Butylbenzene	<20	ug/kg dry		10/6/07	CRT
n-Propylbenzene	<20	ug/kg dry		10/6/07	CRT
Naphthalene	<20	ug/kg dry		10/6/07	CRT



# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-02 (2-4) - 092707 LSL Sample ID: 0717315-010  
Location: 0710001-010A  
Sampled: 09/27/07 13:47 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<20	ug/kg dry		10/6/07	CRT
sec-Butylbenzene	28	ug/kg dry		10/6/07	CRT
Styrene	<20	ug/kg dry		10/6/07	CRT
tert-Butylbenzene	<20	ug/kg dry		10/6/07	CRT
Tetrachloroethene	<20	ug/kg dry		10/6/07	CRT
Toluene	<20	ug/kg dry		10/6/07	CRT
trans-1,2-Dichloroethene	<20	ug/kg dry		10/6/07	CRT
trans-1,3-Dichloropropene	<20	ug/kg dry		10/6/07	CRT
Trichloroethene	37	ug/kg dry		10/6/07	CRT
Trichlorofluoromethane (Freon 11)	<20	ug/kg dry		10/6/07	CRT
Vinyl chloride	340	ug/kg dry		10/6/07	CRT
Xylenes (Total)	<20	ug/kg dry		10/6/07	CRT
Surrogate (1,2-DCA-d4)	107	%R		10/6/07	CRT
Surrogate (4-BFB)	113	%R		10/6/07	CRT
Surrogate (Tol-d8)	88	%R		10/6/07	CRT
Total Solids @ 103-105 C	81	%		10/8/07	CRT

# -- LABORATORY ANALYSIS REPORT --

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-02 (12-14) - 092707	LSL Sample ID:	0717315-011
Location:	0710001-011A		
Sampled:	09/27/07 14:16	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/10/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/10/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/10/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/10/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/10/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/10/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/10/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/10/07	CRT
Benzene	<200	ug/kg dry		10/10/07	CRT
Bromobenzene	<200	ug/kg dry		10/10/07	CRT
Bromochloromethane	<200	ug/kg dry		10/10/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/10/07	CRT
Bromoform	<200	ug/kg dry		10/10/07	CRT
Bromomethane	<200	ug/kg dry		10/10/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/10/07	CRT
Chlorobenzene	<200	ug/kg dry		10/10/07	CRT
Chloroethane	<200	ug/kg dry		10/10/07	CRT
Chloroform	<200	ug/kg dry		10/10/07	CRT
Chloromethane	<200	ug/kg dry		10/10/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/10/07	CRT
Dibromomethane	<200	ug/kg dry		10/10/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/10/07	CRT
Ethyl benzene	<200	ug/kg dry		10/10/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/10/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/10/07	CRT
MTBE	<200	ug/kg dry		10/10/07	CRT
Methylene chloride	<200	ug/kg dry		10/10/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/10/07	CRT
Naphthalene	<200	ug/kg dry		10/10/07	CRT

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-02 (12-14) - 092707 LSL Sample ID: 0717315-011  
Location: 0710001-011A  
Sampled: 09/27/07 14:16 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/10/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
Styrene	<200	ug/kg dry		10/10/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/10/07	CRT
Toluene	<200	ug/kg dry		10/10/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
Trichloroethene	1500	ug/kg dry		10/10/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/10/07	CRT
Vinyl chloride	<200	ug/kg dry		10/10/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/10/07	CRT
Surrogate (1,2-DCA-d4)	116	%R		10/10/07	CRT
Surrogate (4-BFB)	102	%R		10/10/07	CRT
Surrogate (Tol-d8)	86	%R		10/10/07	CRT
Total Solids @ 103-105 C	83	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID:	SB-02 (20-22) - 092707	LSL Sample ID:	0717315-012
Location:	0710001-012A		
Sampled:	09/27/07 14:35	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,1-Trichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,2,2-Tetrachloroethane	<200	ug/kg dry		10/10/07	CRT
1,1,2-Trichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloroethane	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
1,1-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
1,2,3-Trichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2,3-Trichloropropane	<200	ug/kg dry		10/10/07	CRT
1,2,4-Trichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2,4-Trimethylbenzene	<200	ug/kg dry		10/10/07	CRT
1,2-Dibromo-3-chloropropane	<200	ug/kg dry		10/10/07	CRT
1,2-Dibromoethane(EDB)	<200	ug/kg dry		10/10/07	CRT
1,2-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,2-Dichloroethane	<200	ug/kg dry		10/10/07	CRT
1,2-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
1,3,5-Trimethylbenzene	<200	ug/kg dry		10/10/07	CRT
1,3-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
1,3-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
1,4-Dichlorobenzene	<200	ug/kg dry		10/10/07	CRT
2,2-Dichloropropane	<200	ug/kg dry		10/10/07	CRT
2-Chlorotoluene	<200	ug/kg dry		10/10/07	CRT
4-Chlorotoluene	<200	ug/kg dry		10/10/07	CRT
Benzene	<200	ug/kg dry		10/10/07	CRT
Bromobenzene	<200	ug/kg dry		10/10/07	CRT
Bromochloromethane	<200	ug/kg dry		10/10/07	CRT
Bromodichloromethane	<200	ug/kg dry		10/10/07	CRT
Bromoform	<200	ug/kg dry		10/10/07	CRT
Bromomethane	<200	ug/kg dry		10/10/07	CRT
Carbon tetrachloride	<200	ug/kg dry		10/10/07	CRT
Chlorobenzene	<200	ug/kg dry		10/10/07	CRT
Chloroethane	<200	ug/kg dry		10/10/07	CRT
Chloroform	300	ug/kg dry		10/10/07	CRT
Chloromethane	<200	ug/kg dry		10/10/07	CRT
cis-1,2-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
cis-1,3-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
Dibromochloromethane	<200	ug/kg dry		10/10/07	CRT
Dibromomethane	<200	ug/kg dry		10/10/07	CRT
Dichlorodifluoromethane	<200	ug/kg dry		10/10/07	CRT
Ethyl benzene	<200	ug/kg dry		10/10/07	CRT
Hexachlorobutadiene	<200	ug/kg dry		10/10/07	CRT
Isopropylbenzene (Cumene)	<200	ug/kg dry		10/10/07	CRT
MTBE	<200	ug/kg dry		10/10/07	CRT
Methylene chloride	<200	ug/kg dry		10/10/07	CRT
n-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
n-Propylbenzene	<200	ug/kg dry		10/10/07	CRT
Naphthalene	<200	ug/kg dry		10/10/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/11/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-02 (20-22) - 092707 LSL Sample ID: 0717315-012  
Location: 0710001-012A  
Sampled: 09/27/07 14:35 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<200	ug/kg dry		10/10/07	CRT
sec-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
Styrene	<200	ug/kg dry		10/10/07	CRT
tert-Butylbenzene	<200	ug/kg dry		10/10/07	CRT
Tetrachloroethene	<200	ug/kg dry		10/10/07	CRT
Toluene	<200	ug/kg dry		10/10/07	CRT
trans-1,2-Dichloroethene	<200	ug/kg dry		10/10/07	CRT
trans-1,3-Dichloropropene	<200	ug/kg dry		10/10/07	CRT
Trichloroethene	1800	ug/kg dry		10/10/07	CRT
Trichlorofluoromethane (Freon 11)	<200	ug/kg dry		10/10/07	CRT
Vinyl chloride	<200	ug/kg dry		10/10/07	CRT
Xylenes (Total)	<200	ug/kg dry		10/10/07	CRT
Surrogate (1,2-DCA-d4)	121	%R		10/10/07	CRT
Surrogate (4-BFB)	100	%R		10/10/07	CRT
Surrogate (Tol-d8)	89	%R		10/10/07	CRT
Total Solids @ 103-105 C	92	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-02 (24-26) - 092707	LSL Sample ID:	0717315-013
Location:	0710001-013A		
Sampled:	09/27/07 14:39	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<30	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<30	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<30	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<30	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<30	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<30	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<30	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<30	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<30	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<30	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<30	ug/kg dry		10/9/07	CRT
Benzene	<30	ug/kg dry		10/9/07	CRT
Bromobenzene	<30	ug/kg dry		10/9/07	CRT
Bromochloromethane	<30	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<30	ug/kg dry		10/9/07	CRT
Bromoform	<30	ug/kg dry		10/9/07	CRT
Bromomethane	<30	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<30	ug/kg dry		10/9/07	CRT
Chlorobenzene	<30	ug/kg dry		10/9/07	CRT
Chloroethane	<30	ug/kg dry		10/9/07	CRT
Chloroform	<30	ug/kg dry		10/9/07	CRT
Chloromethane	<30	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<30	ug/kg dry		10/9/07	CRT
Dibromomethane	<30	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<30	ug/kg dry		10/9/07	CRT
Ethyl benzene	<30	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<30	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<30	ug/kg dry		10/9/07	CRT
MTBE	<30	ug/kg dry		10/9/07	CRT
Methylene chloride	<30	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<30	ug/kg dry		10/9/07	CRT
Naphthalene	<30	ug/kg dry		10/9/07	CRT

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Life Science Laboratories, Inc.

Date Printed: 10/11/07

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-02 (24-26) - 092707 LSL Sample ID: 0717315-013  
Location: 0710001-013A  
Sampled: 09/27/07 14:39 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<30	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
Styrene	<30	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<30	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<30	ug/kg dry		10/9/07	CRT
Toluene	<30	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<30	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<30	ug/kg dry		10/9/07	CRT
Trichloroethene	59	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<30	ug/kg dry		10/9/07	CRT
Vinyl chloride	<30	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<30	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	113	%R		10/9/07	CRT
Surrogate (4-BFB)	120	%R		10/9/07	CRT
Surrogate (Tol-d8)	99	%R		10/9/07	CRT
Total Solids @ 103-105 C	87	%		10/8/07	CRT

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-05 (2-4) - 092807	LSL Sample ID:	0717315-014
Location:	0710001-014A		
Sampled:	09/28/07 8:40	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<2	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
Benzene	<2	ug/kg dry		10/9/07	CRT
Bromobenzene	<2	ug/kg dry		10/9/07	CRT
Bromochloromethane	<2	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<2	ug/kg dry		10/9/07	CRT
Bromoform	<2	ug/kg dry		10/9/07	CRT
Bromomethane	<2	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<2	ug/kg dry		10/9/07	CRT
Chlorobenzene	<2	ug/kg dry		10/9/07	CRT
Chloroethane	<2	ug/kg dry		10/9/07	CRT
Chloroform	<2	ug/kg dry		10/9/07	CRT
Chloromethane	<2	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<2	ug/kg dry		10/9/07	CRT
Dibromomethane	<2	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<2	ug/kg dry		10/9/07	CRT
Ethyl benzene	<2	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<2	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<2	ug/kg dry		10/9/07	CRT
MTBE	<2	ug/kg dry		10/9/07	CRT
Methylene chloride	<2	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<2	ug/kg dry		10/9/07	CRT
Naphthalene	<2	ug/kg dry		10/9/07	CRT



# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-05 (2-4) - 092807 LSL Sample ID: 0717315-014  
Location: 0710001-014A  
Sampled: 09/28/07 8:40 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<2	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
Styrene	<2	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<2	ug/kg dry		10/9/07	CRT
Toluene	<2	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
Trichloroethene	<2	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<2	ug/kg dry		10/9/07	CRT
Vinyl chloride	<2	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<2	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	108	%R		10/9/07	CRT
Surrogate (4-BFB)	100	%R		10/9/07	CRT
Surrogate (Tol-d8)	89	%R		10/9/07	CRT
Total Solids @ 103-105 C	82	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-05 (10-12) - 092807	LSL Sample ID:	0717315-015
Location:	0710001-015A		
Sampled:	09/28/07 9:00	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<2	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
Benzene	<2	ug/kg dry		10/9/07	CRT
Bromobenzene	<2	ug/kg dry		10/9/07	CRT
Bromochloromethane	<2	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<2	ug/kg dry		10/9/07	CRT
Bromoform	<2	ug/kg dry		10/9/07	CRT
Bromomethane	<2	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<2	ug/kg dry		10/9/07	CRT
Chlorobenzene	<2	ug/kg dry		10/9/07	CRT
Chloroethane	<2	ug/kg dry		10/9/07	CRT
Chloroform	<2	ug/kg dry		10/9/07	CRT
Chloromethane	<2	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<2	ug/kg dry		10/9/07	CRT
Dibromomethane	<2	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<2	ug/kg dry		10/9/07	CRT
Ethyl benzene	<2	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<2	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<2	ug/kg dry		10/9/07	CRT
MTBE	<2	ug/kg dry		10/9/07	CRT
Methylene chloride	<2	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<2	ug/kg dry		10/9/07	CRT
Naphthalene	<2	ug/kg dry		10/9/07	CRT

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-05 (10-12) - 092807 LSL Sample ID: 0717315-015  
Location: 0710001-015A  
Sampled: 09/28/07 9:00 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<2	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
Styrene	<2	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<2	ug/kg dry		10/9/07	CRT
Toluene	<2	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
Trichloroethene	3.5	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<2	ug/kg dry		10/9/07	CRT
Vinyl chloride	<2	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<2	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	108	%R		10/9/07	CRT
Surrogate (4-BFB)	112	%R		10/9/07	CRT
Surrogate (Tol-d8)	97	%R		10/9/07	CRT
Total Solids @ 103-105 C	81	%		10/8/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	SB-05 (20-22) - 092807	LSL Sample ID:	0717315-016
Location:	0710001-016A		
Sampled:	09/28/07 9:29	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<20	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
Benzene	<20	ug/kg dry		10/9/07	CRT
Bromobenzene	<20	ug/kg dry		10/9/07	CRT
Bromochloromethane	<20	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<20	ug/kg dry		10/9/07	CRT
Bromoform	<20	ug/kg dry		10/9/07	CRT
Bromomethane	<20	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<20	ug/kg dry		10/9/07	CRT
Chlorobenzene	<20	ug/kg dry		10/9/07	CRT
Chloroethane	<20	ug/kg dry		10/9/07	CRT
Chloroform	<20	ug/kg dry		10/9/07	CRT
Chloromethane	<20	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<20	ug/kg dry		10/9/07	CRT
Dibromomethane	<20	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<20	ug/kg dry		10/9/07	CRT
Ethyl benzene	<20	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<20	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<20	ug/kg dry		10/9/07	CRT
MTBE	<20	ug/kg dry		10/9/07	CRT
Methylene chloride	<20	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<20	ug/kg dry		10/9/07	CRT
Naphthalene	<20	ug/kg dry		10/9/07	CRT

# -- LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-05 (20-22) - 092807 LSL Sample ID: 0717315-016  
Location: 0710001-016A  
Sampled: 09/28/07 9:29 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<20	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Styrene	<20	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<20	ug/kg dry		10/9/07	CRT
Toluene	<20	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Trichloroethene	<20	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<20	ug/kg dry		10/9/07	CRT
Vinyl chloride	<20	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<20	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	119	%R		10/9/07	CRT
Surrogate (4-BFB)	122	%R		10/9/07	CRT
Surrogate (Tol-d8)	108	%R		10/9/07	CRT
Total Solids @ 103-105 C	76	%		10/8/07	CRT

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# - - LABORATORY ANALYSIS REPORT - -

*Life Science Laboratories, Inc.      East Syracuse, NY*

Sample ID:	SB-05 (30-32) - 092807	LSL Sample ID:	0717315-017
Location:	0710001-017A		
Sampled:	09/28/07 9:57	Sampled By:	Client
Sample Matrix:	SHW as Recd, Soil		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<20	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<20	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<20	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<20	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<20	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<20	ug/kg dry		10/9/07	CRT
Benzene	<20	ug/kg dry		10/9/07	CRT
Bromobenzene	<20	ug/kg dry		10/9/07	CRT
Bromochloromethane	<20	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<20	ug/kg dry		10/9/07	CRT
Bromoform	<20	ug/kg dry		10/9/07	CRT
Bromomethane	<20	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<20	ug/kg dry		10/9/07	CRT
Chlorobenzene	<20	ug/kg dry		10/9/07	CRT
Chloroethane	<20	ug/kg dry		10/9/07	CRT
Chloroform	<20	ug/kg dry		10/9/07	CRT
Chloromethane	<20	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<20	ug/kg dry		10/9/07	CRT
Dibromomethane	<20	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<20	ug/kg dry		10/9/07	CRT
Ethyl benzene	<20	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<20	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<20	ug/kg dry		10/9/07	CRT
MTBE	<20	ug/kg dry		10/9/07	CRT
Methylene chloride	<20	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<20	ug/kg dry		10/9/07	CRT
Naphthalene	<20	ug/kg dry		10/9/07	CRT

# - - LABORATORY ANALYSIS REPORT - -

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: SB-05 (30-32) - 092807 LSL Sample ID: 0717315-017  
Location: 0710001-017A  
Sampled: 09/28/07 9:57 Sampled By: Client  
Sample Matrix: SHW as Recd, Soil

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
4-Isopropyl toluene (Cymene)	<20	ug/kg dry		10/9/07	CRT
sec-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Styrene	<20	ug/kg dry		10/9/07	CRT
tert-Butylbenzene	<20	ug/kg dry		10/9/07	CRT
Tetrachloroethene	<20	ug/kg dry		10/9/07	CRT
Toluene	<20	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene	<20	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene	<20	ug/kg dry		10/9/07	CRT
Trichloroethene	<20	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)	<20	ug/kg dry		10/9/07	CRT
Vinyl chloride	<20	ug/kg dry		10/9/07	CRT
Xylenes (Total)	<20	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)	123	%R		10/9/07	CRT
Surrogate (4-BFB)	130	%R		10/9/07	CRT
Surrogate (Tol-d8)	104	%R		10/9/07	CRT
Total Solids @ 103-105 C	83	%		10/8/07	CRT

An internal standard response for this analysis was outside our established control limits. Reported results have been estimated. Elevated detection limit due to matrix interference.

# -- REVISED LABORATORY ANALYSIS REPORT --

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID: LCS LSL Sample ID: 0717315-018

Location:

Sampled: 09/28/07 0:00 Sampled By:

Sample Matrix: QC

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	105	%R		10/9/07	CRT
1,1,1-Trichloroethane	103	%R		10/9/07	CRT
1,1,2,2-Tetrachloroethane	92	%R		10/9/07	CRT
1,1,2-Trichloroethane	105	%R		10/9/07	CRT
1,1-Dichloroethane	98	%R		10/9/07	CRT
1,1-Dichloroethene	96	%R		10/9/07	CRT
1,1-Dichloropropene	102	%R		10/9/07	CRT
1,2,3-Trichlorobenzene	114	%R		10/9/07	CRT
1,2,3-Trichloropropane	97	%R		10/9/07	CRT
1,2,4-Trichlorobenzene	107	%R		10/9/07	CRT
1,2,4-Trimethylbenzene	106	%R		10/9/07	CRT
1,2-Dibromo-3-chloropropane	101	%R		10/9/07	CRT
1,2-Dibromoethane (EDB)	108	%R		10/9/07	CRT
1,2-Dichlorobenzene	98	%R		10/9/07	CRT
1,2-Dichloroethane	109	%R		10/9/07	CRT
1,2-Dichloropropane	99	%R		10/9/07	CRT
1,3,5-Trimethylbenzene	117	%R		10/9/07	CRT
1,3-Dichlorobenzene	96	%R		10/9/07	CRT
1,3-Dichloropropane	103	%R		10/9/07	CRT
1,4-Dichlorobenzene	97	%R		10/9/07	CRT
2,2-Dichloropropane	101	%R		10/9/07	CRT
2-Chlorotoluene	101	%R		10/9/07	CRT
4-Chlorotoluene	96	%R		10/9/07	CRT
Benzene	101	%R		10/9/07	CRT
Bromobenzene	102	%R		10/9/07	CRT
Bromochloromethane	107	%R		10/9/07	CRT
Bromodichloromethane	105	%R		10/9/07	CRT
Bromoform	110	%R		10/9/07	CRT
Bromomethane	76	%R		10/9/07	CRT
Carbon tetrachloride	87	%R		10/9/07	CRT
Chlorobenzene	99	%R		10/9/07	CRT
Chloroethane	99	%R		10/9/07	CRT
Chloroform	99	%R		10/9/07	CRT
Chloromethane	109	%R		10/9/07	CRT
cis-1,2-Dichloroethene	102	%R		10/9/07	CRT
cis-1,3-Dichloropropene	99	%R		10/9/07	CRT
Dibromochloromethane	110	%R		10/9/07	CRT
Dibromomethane	101	%R		10/9/07	CRT
Dichlorodifluoromethane	103	%R		10/9/07	CRT
Ethyl benzene	96	%R		10/9/07	CRT
Hexachlorobutadiene	97	%R		10/9/07	CRT
Isopropylbenzene (Cumene)	100	%R		10/9/07	CRT
MTBE	95	%R		10/9/07	CRT
Methylene chloride	94	%R		10/9/07	CRT
n-Butylbenzene	107	%R		10/9/07	CRT
n-Propylbenzene	100	%R		10/9/07	CRT
Naphthalene	131	%R		10/9/07	CRT



# -- REVISED LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: LCS LSL Sample ID: 0717315-018

Location:

Sampled: 09/28/07 0:00 Sampled By:

Sample Matrix: QC

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials
(1) EPA 8260B Volatiles			
4-Isopropyl toluene (Cymene)	100	%R	10/9/07 CRT
sec-Butylbenzene	94	%R	10/9/07 CRT
Styrene	100	%R	10/9/07 CRT
tert-Butylbenzene	101	%R	10/9/07 CRT
Tetrachloroethene	92	%R	10/9/07 CRT
Toluene	98	%R	10/9/07 CRT
trans-1,2-Dichloroethene	98	%R	10/9/07 CRT
trans-1,3-Dichloropropene	120	%R	10/9/07 CRT
Trichloroethene	98	%R	10/9/07 CRT
Trichlorofluoromethane (Freon 11)	101	%R	10/9/07 CRT
Vinyl chloride	110	%R	10/9/07 CRT
Xylenes (Total)	100	%R	10/9/07 CRT
Surrogate (1,2-DCA-d4)	107	%R	10/9/07 CRT
Surrogate (4-BFB)	95	%R	10/9/07 CRT
Surrogate (Tol-d8)	100	%R	10/9/07 CRT
Total Solids @ 103-105 C	100	%	10/8/07 CRT

# -- REVISED LABORATORY ANALYSIS REPORT --

*Life Science Laboratories, Inc. East Syracuse, NY*

Sample ID:	Method Blank	LSL Sample ID:	0717315-019
Location:			
Sampled:	09/28/07 0:00	Sampled By:	
Sample Matrix:	QC		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B Volatiles					
1,1,1,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,1-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2,2-Tetrachloroethane	<2	ug/kg dry		10/9/07	CRT
1,1,2-Trichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
1,1-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,3-Trichloropropane	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2,4-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromo-3-chloropropane	<2	ug/kg dry		10/9/07	CRT
1,2-Dibromoethane(EDB)	<2	ug/kg dry		10/9/07	CRT
1,2-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloroethane	<2	ug/kg dry		10/9/07	CRT
1,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,3,5-Trimethylbenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
1,3-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
1,4-Dichlorobenzene	<2	ug/kg dry		10/9/07	CRT
2,2-Dichloropropane	<2	ug/kg dry		10/9/07	CRT
2-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
4-Chlorotoluene	<2	ug/kg dry		10/9/07	CRT
Benzene	<2	ug/kg dry		10/9/07	CRT
Bromobenzene	<2	ug/kg dry		10/9/07	CRT
Bromochloromethane	<2	ug/kg dry		10/9/07	CRT
Bromodichloromethane	<2	ug/kg dry		10/9/07	CRT
Bromoform	<2	ug/kg dry		10/9/07	CRT
Bromomethane	<2	ug/kg dry		10/9/07	CRT
Carbon tetrachloride	<2	ug/kg dry		10/9/07	CRT
Chlorobenzene	<2	ug/kg dry		10/9/07	CRT
Chloroethane	<2	ug/kg dry		10/9/07	CRT
Chloroform	<2	ug/kg dry		10/9/07	CRT
Chloromethane	<2	ug/kg dry		10/9/07	CRT
cis-1,2-Dichloroethene	<2	ug/kg dry		10/9/07	CRT
cis-1,3-Dichloropropene	<2	ug/kg dry		10/9/07	CRT
Dibromochloromethane	<2	ug/kg dry		10/9/07	CRT
Dibromomethane	<2	ug/kg dry		10/9/07	CRT
Dichlorodifluoromethane	<2	ug/kg dry		10/9/07	CRT
Ethyl benzene	<2	ug/kg dry		10/9/07	CRT
Hexachlorobutadiene	<2	ug/kg dry		10/9/07	CRT
Isopropylbenzene (Cumene)	<2	ug/kg dry		10/9/07	CRT
MTBE	<2	ug/kg dry		10/9/07	CRT
Methylene chloride	<2	ug/kg dry		10/9/07	CRT
n-Butylbenzene	<2	ug/kg dry		10/9/07	CRT
n-Propylbenzene	<2	ug/kg dry		10/9/07	CRT
Naphthalene	<2	ug/kg dry		10/9/07	CRT

# -- REVISED LABORATORY ANALYSIS REPORT --

Life Science Laboratories, Inc. East Syracuse, NY

Sample ID: Method Blank LSL Sample ID: 0717315-019

Location:

Sampled: 09/28/07 0:00 Sampled By:

Sample Matrix: QC

Sample Matrix: QC				Prep	Analysis	Analyst
Analytical Method		Result	Units	Date	Date & Time	Initials
Analyte						
(1) EPA 8260B Volatiles						
4-Isopropyl toluene (Cymene)		<2	ug/kg dry		10/9/07	CRT
sec-Butylbenzene		<2	ug/kg dry		10/9/07	CRT
Styrene		<2	ug/kg dry		10/9/07	CRT
tert-Butylbenzene		<2	ug/kg dry		10/9/07	CRT
Tetrachloroethene		<2	ug/kg dry		10/9/07	CRT
Toluene		<2	ug/kg dry		10/9/07	CRT
trans-1,2-Dichloroethene		<2	ug/kg dry		10/9/07	CRT
trans-1,3-Dichloropropene		<2	ug/kg dry		10/9/07	CRT
Trichloroethene		<2	ug/kg dry		10/9/07	CRT
Trichlorofluoromethane (Freon 11)		<2	ug/kg dry		10/9/07	CRT
Vinyl chloride		<2	ug/kg dry		10/9/07	CRT
Xylenes (Total)		<2	ug/kg dry		10/9/07	CRT
Surrogate (1,2-DCA-d4)		106	%R		10/9/07	CRT
Surrogate (4-BFB)		102	%R		10/9/07	CRT
Surrogate (Tol-d8)		92	%R		10/9/07	CRT
Total Solids @ 103-105 C		100	%R		10/8/07	CRT



# SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:

- ug/l = microgram per liter
- ug/kg = microgram per kilogram
- mg/l = milligram per liter
- mg/kg = milligram per kilogram
- %R = Percent Recovery

Life Science Laboratories, Inc.  
5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057

TEL: (315) 437-0200

FAX: (315) 437-0377

Subcontractor:

Life Science Laboratories, Inc.  
5854 Butternut Drive  
East Syracuse, NY 13057

TEL:  
FAX:  
Acct #:

# CHAIN-OF-CUSTODY RECO

0717315

LSL\_BL

01-Oct-07

Client Sample ID		Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests	
SB-06 (2-4)-092707		0710001-001A	Soil	09/27/07 8:04	20Z	SW8260B 1	001
SB-06 (8-10)-092707		0710001-002A	Soil	09/27/07 8:27	20Z	1	002
SB-06 (22-24)-092707		0710001-003A	Soil	09/27/07 9:06	20Z	1	003
SB-06 (28-30)-092707		0710001-004A	Soil	09/27/07 9:24	20Z	1	004
SB-01 (2-4)-092707		0710001-005A	Soil	09/27/07 12:20	20Z	1	005
SB-01 (10-12)-092707		0710001-006A	Soil	09/27/07 12:36	20Z	1	006
SB-01 (18-20)-092707		0710001-007A	Soil	09/27/07 12:49	20Z	1	007
SB-01 (24-26)-092707		0710001-008A	Soil	09/27/07 13:00	20Z	1	008
FD-092707		0710001-009A	Soil	09/27/07 0:00	20Z	1	009
SB-02 (2-4)-092707		0710001-010A	Soil	09/27/07 13:47	20Z	1	010
SB-02 (12-14)-092707		0710001-011A	Soil	09/27/07 14:16	20Z	1	011

Comments:

Results due by 10/11, Please report parameter and RLs as per attached list. Send report in attention to Monika Santucci. Include our standard EDD. Please include your LCS and method blank summary with the report.

Relinquished by:	Date/Time	Received by:	Date/Time
<i>John Santucci</i>	10/2/07 11:35	<i>J. Santucci</i>	10/2/07 11:40
Relinquished by:		Received by:	
		<i>R. D. Santucci</i>	10-22-07 11:57 RCVD

5.6°C  
on ice

Life Science Laboratories, Inc.  
5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057

TEL: (315) 437-0200

FAX: (315) 437-0377

Subcontractor:

Life Science Laboratories, Inc.  
5854 Butternut Drive  
East Syracuse, NY 13057

TEL:

FAX:

Acct #:

# CHAIN-OF-CUSTODY REC

0717315

ISL\_BL

01-Oct-07

Client Sample ID	Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests	
					PCTS	SW8260B
SB-02 (20-22)-092707	0710001-012A	Soil	09/27/07 14:35	20Z	1	012
SB-02 (24-26)-092707	0710001-013A	Soil	09/27/07 14:39	20Z	1	013
SB-05 (2-4)-092807	0710001-014A	Soil	09/28/07 8:40	20Z	1	014
SB-05 (10-12)-092807	0710001-015A	Soil	09/28/07 9:00	20Z	1	015
SB-05 (20-22)-092807	0710001-016A	Soil	09/28/07 9:29	20Z	1	016
SB-05 (30-32)-092807	0710001-017A	Soil	09/28/07 9:57	20Z	1	017

LCS 018  
Method Blank 019

Comments:

Results due by 10/11. Please report parameter and RLs as per attached list. Send report in attention to Monika Santucci. Include our standard EDD. Please include your LCS and method blank summary with the report.

Relinquished by:	10/2/07 11:35	Received by:	10/2/07 11:40
Relinquished by:	10-22-07 11:57	Received by:	10-22-07 11:57

5.6°C on ice



Life Science Laboratories, Inc.  
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200  
East Syracuse, New York 13057  
(315) 437-0200

Chain of Custody

Client: O'Brien & Co.		Analysis/Method				
Project: BMS Krutulis						
Sampled by: Paul Freyer						
Client Contact: Dave Carnevale Phone # 437-6100 (x2571)						
Sample Description						
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Comments
SB-06(2-4)-092707	9-27-07	0804	Soil	Grab	1	X
SB-06(8-10)-092707	9-27-07	0827	Soil	Grab	1	X
SB-06(22-24)-092707	9-27-07	0906	Soil	Grab	1	X
SB-06(28-30)-092707	9-27-07	0924	Soil	Grab	1	X
SB-01(2-4)-092707	9-27-07	1220	Soil	Grab	1	X
SB-01(10-12)-092707	9-27-07	1236	Soil	Grab	1	X
SB-01(16-20)-092707	9-27-07	1249	Soil	Grab	1	X
SB-01(24-26)-092707	9-27-07	1300	Soil	Grab	1	X
FD-092707	9-27-07	—	Soil	Grab	1	X
SB-02(2-4)-092707	9-27-07	1347	Soil	Grab	1	X
SB-02(12-14)-092707	9-27-07	1416	Soil	Grab	1	X
SB-02(20-22)-092707	9-27-07	1435	Soil	Grab	1	X
Relinquished by: Paul A. Freyer	Date: 9-28-07	Time: 1155	Received by: _____			
Relinquished by: _____	Date: _____	Time: _____	Received by: _____			
Relinquished by: _____	Date: _____	Time: _____	Received by Lab: Montan-Sanducci Date: 9/28/07 Time: 2:55 pm			
Shipment Method: _____		Airbill Number: _____				

Turnaround Time Required:

Routine \_\_\_\_\_  
Rush (Specify) \_\_\_\_\_

Cooler Temperature: 2.8°C

Comments:





5000 Brittonfield Parkway, Suite 200  
East Syracuse, New York 13057  
(315) 437-0200

## Chain of Custody

[illegible]

**Turnaround Time Required:**

Routine \_\_\_\_\_  
Rush (Specify) \_\_\_\_\_

Cooler Temperature: 2.8°C

Comments:

Original - Laboratory  
Copy - Client



# Life Science Laboratories, Inc.

## Sample Receipt Checklist

Client Name: OBG-MS

Date and Time Received: 9/28/2007 2:55:00 PM

Work Order Number 0710001

Received by: MS

Checklist completed by:

Initials

*[Signature]*

Date

*af 10/1/07*

Reviewed by:

Initials

*MS*

Date

*9/28/07*

Matrix:

Carrier name: Hand Delivered

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

Yes ☐

No ☐

No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

Not Applicable ☒

Comments:

Corrective Action::



**Life Science Laboratories, Inc.**

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Tuesday, October 02, 2007

**Dave Carnevale**

O'Brien & Gere Engineers, Inc.

5000 Brittonfield Parkway

PO Box 4873

Syracuse, NY 13221-4873

TEL: 315-437-6100

Project: BMS-KRUTULIS

RE: Analytical Results

Order No.: 0710012

Dear Dave Carnevale:

Life Science Laboratories, Inc. received 2 sample(s) on 10/1/2007 for the analyses presented in the following report.

Very truly yours,  
Life Science Laboratories, Inc.

Monika Santucci  
Project Manager



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710012

Matrix: SOIL

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 10/02/07 15:11

Sample Size: 5 g

%Moisture: 22.0

TestCode 8260SM

Lab ID: 0710012-001A

Client Sample ID: MW-6D (18-20)\_100107

Collection Date: 10/01/07 9:32

Date Received: 10/01/07 15:12

PrepDate: 10/01/07 14:42

BatchNo: 6272/R11295

FileID: 1-SAMP-T0627.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS - MEOH EXTRACT				SW8260B		(SW5035_MED)
1,1,1,2-Tetrachloroethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,1,1-Trichloroethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,1,2,2-Tetrachloroethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,1,2-Trichloroethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,1-Dichloroethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,1-Dichloroethene	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,1-Dichloropropene	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,2,3-Trichlorobenzene	ND		710	µg/Kg-dry	1	10/01/07 21:30
1,2,3-Trichloropropane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,2,4-Trichlorobenzene	ND		710	µg/Kg-dry	1	10/01/07 21:30
1,2,4-Trimethylbenzene	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,2-Dibromo-3-chloropropane	ND		710	µg/Kg-dry	1	10/01/07 21:30
1,2-Dibromoethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,2-Dichlorobenzene	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,2-Dichloroethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,2-Dichloropropane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,3,5-Trimethylbenzene	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,3-Dichlorobenzene	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,3-Dichloropropane	ND		360	µg/Kg-dry	1	10/01/07 21:30
1,4-Dichlorobenzene	ND		360	µg/Kg-dry	1	10/01/07 21:30
2,2-Dichloropropane	ND		360	µg/Kg-dry	1	10/01/07 21:30
2-Chlorotoluene	ND		360	µg/Kg-dry	1	10/01/07 21:30
4-Chlorotoluene	ND		360	µg/Kg-dry	1	10/01/07 21:30
Benzene	ND		360	µg/Kg-dry	1	10/01/07 21:30
Bromobenzene	ND		360	µg/Kg-dry	1	10/01/07 21:30
Bromochloromethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
Bromodichloromethane	ND		360	µg/Kg-dry	1	10/01/07 21:30
Bromoform	ND		360	µg/Kg-dry	1	10/01/07 21:30
Bromomethane	ND		710	µg/Kg-dry	1	10/01/07 21:30
Carbon tetrachloride	ND		360	µg/Kg-dry	1	10/01/07 21:30
Chlorobenzene	ND		360	µg/Kg-dry	1	10/01/07 21:30
Chloroethane	ND		710	µg/Kg-dry	1	10/01/07 21:30
Chloroform	ND		360	µg/Kg-dry	1	10/01/07 21:30
Chloromethane	ND		710	µg/Kg-dry	1	10/01/07 21:30

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710012

Matrix: SOIL

Inst. ID: MS01 11

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 22.0

Revision: 10/02/07 15:11

TestCode 8260SM

Lab ID: 0710012-001A

Client Sample ID: MW-6D (18-20)\_100107

Collection Date: 10/01/07 9:32

Date Received: 10/01/07 15:12

PrepDate: 10/01/07 14:42

BatchNo: 6272/R11295

FileID: 1-SAMP-T0627.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS - MEOH EXTRACT				SW8260B		(SW5035_MED)
cis-1,2-Dichloroethene	ND	360		µg/Kg-dry	1	10/01/07 21:30
cis-1,3-Dichloropropene	ND	360		µg/Kg-dry	1	10/01/07 21:30
Dibromochloromethane	ND	360		µg/Kg-dry	1	10/01/07 21:30
Dibromomethane	ND	360		µg/Kg-dry	1	10/01/07 21:30
Dichlorodifluoromethane	ND	710		µg/Kg-dry	1	10/01/07 21:30
Ethylbenzene	ND	360		µg/Kg-dry	1	10/01/07 21:30
Hexachlorobutadiene	ND	710		µg/Kg-dry	1	10/01/07 21:30
Isopropylbenzene	ND	360		µg/Kg-dry	1	10/01/07 21:30
Methyl tert-butyl ether	ND	360		µg/Kg-dry	1	10/01/07 21:30
Methylene chloride	ND	710		µg/Kg-dry	1	10/01/07 21:30
n-Butylbenzene	ND	360		µg/Kg-dry	1	10/01/07 21:30
n-Propylbenzene	ND	360		µg/Kg-dry	1	10/01/07 21:30
Naphthalene	ND	710		µg/Kg-dry	1	10/01/07 21:30
p-Isopropyltoluene	ND	360		µg/Kg-dry	1	10/01/07 21:30
sec-Butylbenzene	ND	360		µg/Kg-dry	1	10/01/07 21:30
Styrene	ND	360		µg/Kg-dry	1	10/01/07 21:30
tert-Butylbenzene	ND	360		µg/Kg-dry	1	10/01/07 21:30
Tetrachloroethene	ND	360		µg/Kg-dry	1	10/01/07 21:30
Toluene	7000	360		µg/Kg-dry	1	10/01/07 21:30
trans-1,2-Dichloroethene	ND	360		µg/Kg-dry	1	10/01/07 21:30
trans-1,3-Dichloropropene	ND	360		µg/Kg-dry	1	10/01/07 21:30
Trichloroethene	3900	360		µg/Kg-dry	1	10/01/07 21:30
Trichlorofluoromethane	ND	710		µg/Kg-dry	1	10/01/07 21:30
Vinyl chloride	ND	710		µg/Kg-dry	1	10/01/07 21:30
Xylenes (total)	ND	710		µg/Kg-dry	1	10/01/07 21:30
Surr: 1,2-Dichloroethane-d4	93.9	71-128		%REC	1	10/01/07 21:30
Surr: 4-Bromofluorobenzene	72.2	59-125		%REC	1	10/01/07 21:30
Surr: Dibromofluoromethane	81.9	40-156		%REC	1	10/01/07 21:30
Surr: Toluene-d8	89.6	75-125		%REC	1	10/01/07 21:30

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710012

Matrix: SOIL

Inst. ID: MS02 12

ColumnID: Rtx-502.2

Revision: 10/02/07 15:41

Col Type:

Sample Size: 5 g

%Moisture: 16.2

TestCode 8260S

Lab ID: 0710012-002A

Client Sample ID: MW-6D (30-32)\_100107

Collection Date: 10/01/07 10:14

Date Received: 10/01/07 15:12

PrepDate:

BatchNo: R11296

FileID: 1-SAMP-M2657.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,1,1-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,1,2,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,1,2-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,1-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,1-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,1-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,2,3-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
1,2,3-Trichloropropane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,2,4-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
1,2,4-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,2-Dibromo-3-chloropropane	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
1,2-Dibromoethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,2-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,2-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,3,5-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,3-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,3-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
1,4-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
2,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
2-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
4-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Benzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Bromobenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Bromochloromethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Bromodichloromethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Bromoform	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Bromomethane	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
Carbon tetrachloride	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Chlorobenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Chloroethane	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
Chloroform	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Chloromethane	ND	6.0		µg/Kg-dry	1	10/02/07 14:59

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710012

Matrix: SOIL

Inst. ID: MS02 12

Sample Size: 5 g

ColumnID: Rtx-502.2

%Moisture: 16.2

Revision: 10/02/07 15:41

TestCode 8260S

Lab ID: 0710012-002A

Client Sample ID: MW-6D (30-32)\_100107

Collection Date: 10/01/07 10:14

Date Received: 10/01/07 15:12

PrepDate:

BatchNo: R11296

FileID: I-SAMP-M2657.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			SW8260B			
cis-1,2-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
cis-1,3-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Dibromochloromethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Dibromomethane	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Dichlorodifluoromethane	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
Ethylbenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Hexachlorobutadiene	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
Isopropylbenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Methyl tert-butyl ether	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Methylene chloride	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
n-Butylbenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
n-Propylbenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Naphthalene	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
p-Isopropyltoluene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
sec-Butylbenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Styrene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
tert-Butylbenzene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Tetrachloroethene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Toluene	3.3	3.0		µg/Kg-dry	1	10/02/07 14:59
trans-1,2-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
trans-1,3-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/02/07 14:59
Trichloroethene	8.1	3.0		µg/Kg-dry	1	10/02/07 14:59
Trichlorofluoromethane	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
Vinyl chloride	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
Xylenes (total)	ND	6.0		µg/Kg-dry	1	10/02/07 14:59
Surr: 1,2-Dichloroethane-d4	103	71-128		%REC	1	10/02/07 14:59
Surr: 4-Bromofluorobenzene	101	59-125		%REC	1	10/02/07 14:59
Surr: Dibromofluoromethane	102	40-156		%REC	1	10/02/07 14:59
Surr: Toluene-d8	104	75-125		%REC	1	10/02/07 14:59

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710012

Matrix: SOIL

Inst. ID: DENVER APX-200

Sample Size: NA

ColumnID:

%Moisture:

Revision: 10/02/07 7:41

TestCode PMOIST

Col Type:

Lab ID: 0710012-001A

Client Sample ID: MW-6D (18-20)\_100107

Collection Date: 10/01/07 9:32

Date Received: 10/01/07 15:12

PrepDate:

BatchNo: R11284

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
PERCENT MOISTURE				SM 2540 G		
Percent Moisture	22.0		1.0	wt%	1	10/01/07 18:15

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Project:** BMS-Krutulis

**W Order:** 0710012

**Matrix:** SOIL

**Inst. ID:** DENVER APX-200

**Sample Size:** NA

**ColumnID:**

**%Moisture:**

**Revision:** 10/02/07 7:41

**TestCode** PMOIST

**Lab ID:** 0710012-002A

**Client Sample ID:** MW-6D (30-32)\_100107

**Collection Date:** 10/01/07 10:14

**Date Received:** 10/01/07 15:12

**PrepDate:**

**BatchNo:** R11284

**FileID:** I-SAMP-

**Col Type:**

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
PERCENT MOISTURE				SM 2540 G		
Percent Moisture	16.2		1.0	wt%	1	10/01/07 18:15

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits





5000 Brittonfield Parkway, Suite 200  
East Syracuse, New York 13057  
(315) 437-0200

# Chain of Custody

Turnaround Time Required:  
 Routine \_\_\_\_\_  
 Rush (Specify) 24 hour  
 Cooler Temperature: Wed - 12.8°C

Comments: \_\_\_\_\_

Results by end of day Tuesday, October 2, 2007

\* Run medium level

Original - Laboratory  
 Copy - Client

# Life Science Laboratories, Inc.

## Sample Receipt Checklist

Client Name: OBG-MS

Date and Time Received:

10/1/2007 3:12:00 PM

Work Order Number 0710012

Received by: MS

Checklist completed by:

Initials

Date

10/1/07

Reviewed by:

Initials

MS

Date

10/2/07

Matrix:

Carrier name: Hand Delivered

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

Yes ☐

No ☐

No VOA vials submitted ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

Not Applicable ☒

Comments:

Corrective Action::



**Life Science Laboratories, Inc.**

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057

(315) 437-0200

Tuesday, October 30, 2007

Dave Carnevale  
O'Brien & Gere Engineers, Inc.  
5000 Brittonfield Parkway  
PO Box 4873  
Syracuse, NY 13221-4873

TEL: 315-437-6100

Project: BMS-KRUTULIS

RE: Analytical Results

Order No.: 0710024

Dear Dave Carnevale:

Life Science Laboratories, Inc. received 9 sample(s) on 10/2/2007 for the analyses presented in the following report.

Very truly yours,  
Life Science Laboratories, Inc.

Monika Santucci  
Project Manager



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 8:23

Col Type:

Sample Size: 5 g

%Moisture: 19.0

TestCode 8260S

Lab ID: 0710024-001A

Client Sample ID: MW-06D (8-10)\_100107

Collection Date: 10/01/07 9:13

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11344

FileID: 1-SAMP-J4693.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
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### VOLATILE ORGANIC COMPOUNDS BY GC/MS

SW8260B

1,1,1,2-Tetrachloroethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,1,1-Trichloroethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,1,2,2-Tetrachloroethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,1,2-Trichloroethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,1-Dichloroethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,1-Dichloroethene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,1-Dichloropropene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,2,3-Trichlorobenzene	ND	6.2	µg/Kg-dry	1	10/05/07 16:40
1,2,3-Trichloropropane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,2,4-Trichlorobenzene	ND	6.2	µg/Kg-dry	1	10/05/07 16:40
1,2,4-Trimethylbenzene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,2-Dibromo-3-chloropropane	ND	6.2	µg/Kg-dry	1	10/05/07 16:40
1,2-Dibromoethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,2-Dichlorobenzene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,2-Dichloroethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,2-Dichloropropane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,3,5-Trimethylbenzene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,3-Dichlorobenzene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,3-Dichloropropane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
1,4-Dichlorobenzene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
2,2-Dichloropropane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
2-Chlorotoluene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
4-Chlorotoluene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Benzene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Bromobenzene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Bromochloromethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Bromodichloromethane	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Bromoform	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Bromomethane	ND	6.2	µg/Kg-dry	1	10/05/07 16:40
Carbon tetrachloride	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Chlorobenzene	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Chloroethane	ND	6.2	µg/Kg-dry	1	10/05/07 16:40
Chloroform	ND	3.1	µg/Kg-dry	1	10/05/07 16:40
Chloromethane	ND	6.2	µg/Kg-dry	1	10/05/07 16:40

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level  
 E Value exceeds the instrument calibration range  
 J Analyte detected below the PQL  
 P Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 19.0

Revision: 10/11/07 8:23

TestCode 8260S

Lab ID: 0710024-001A

Client Sample ID: MW-06D (8-10)\_100107

Collection Date: 10/01/07 9:13

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11344

FileID: 1-SAMP-J4693.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
cis-1,3-Dichloropropene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Dibromochloromethane	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Dibromomethane	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Dichlorodifluoromethane	ND	6.2		µg/Kg-dry	1	10/05/07 16:40
Ethylbenzene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Hexachlorobutadiene	ND	6.2		µg/Kg-dry	1	10/05/07 16:40
Isopropylbenzene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Methyl tert-butyl ether	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Methylene chloride	ND	6.2		µg/Kg-dry	1	10/05/07 16:40
n-Butylbenzene	4.2	3.1		µg/Kg-dry	1	10/05/07 16:40
n-Propylbenzene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Naphthalene	ND	6.2		µg/Kg-dry	1	10/05/07 16:40
p-Isopropyltoluene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
sec-Butylbenzene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Styrene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
tert-Butylbenzene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Tetrachloroethene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Toluene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
trans-1,2-Dichloroethene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
trans-1,3-Dichloropropene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Trichloroethene	ND	3.1		µg/Kg-dry	1	10/05/07 16:40
Trichlorofluoromethane	ND	6.2		µg/Kg-dry	1	10/05/07 16:40
Vinyl chloride	ND	6.2		µg/Kg-dry	1	10/05/07 16:40
Xylenes (total)	ND	6.2		µg/Kg-dry	1	10/05/07 16:40
Surr: 1,2-Dichloroethane-d4	92.2	71-128		%REC	1	10/05/07 16:40
Surr: 4-Bromofluorobenzene	113	59-125		%REC	1	10/05/07 16:40
Surr: Dibromofluoromethane	98.9	40-156		%REC	1	10/05/07 16:40
Surr: Toluene-d8	111	75-125		%REC	1	10/05/07 16:40

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 8:23

Sample Size: 5 g

%Moisture: 20.4

TestCode 8260S

Lab ID: 0710024-002A

Client Sample ID: MW-06D (22-24)\_100107

Collection Date: 10/01/07 9:49

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11344

FileID: 1-SAMP-J4694.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,1,1-Trichloroethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,1,2,2-Tetrachloroethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,1,2-Trichloroethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,1-Dichloroethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,1-Dichloroethene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,1-Dichloropropene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,2,3-Trichlorobenzene	ND	6.3		µg/Kg-dry	1	10/05/07 17:15
1,2,3-Trichloropropane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,2,4-Trichlorobenzene	ND	6.3		µg/Kg-dry	1	10/05/07 17:15
1,2,4-Trimethylbenzene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,2-Dibromo-3-chloropropane	ND	6.3		µg/Kg-dry	1	10/05/07 17:15
1,2-Dibromoethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,2-Dichlorobenzene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,2-Dichloroethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,2-Dichloropropane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,3,5-Trimethylbenzene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,3-Dichlorobenzene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,3-Dichloropropane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
1,4-Dichlorobenzene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
2,2-Dichloropropane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
2-Chlorotoluene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
4-Chlorotoluene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Benzene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Bromobenzene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Bromochloromethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Bromodichloromethane	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Bromoform	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Bromomethane	ND	6.3		µg/Kg-dry	1	10/05/07 17:15
Carbon tetrachloride	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Chlorobenzene	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Chloroethane	ND	6.3		µg/Kg-dry	1	10/05/07 17:15
Chloroform	ND	3.1		µg/Kg-dry	1	10/05/07 17:15
Chloromethane	ND	6.3		µg/Kg-dry	1	10/05/07 17:15

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 20.4

Revision: 10/11/07 8:23

TestCode 8260S

Lab ID: 0710024-002A

Client Sample ID: MW-06D (22-24)\_100107

Collection Date: 10/01/07 9:49

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11344

FileID: I-SAMP-J4694.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	30		3.1	µg/Kg-dry	1	10/05/07 17:15
cis-1,3-Dichloropropene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Dibromochloromethane	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Dibromomethane	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Dichlorodifluoromethane	ND		6.3	µg/Kg-dry	1	10/05/07 17:15
Ethylbenzene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Hexachlorobutadiene	ND		6.3	µg/Kg-dry	1	10/05/07 17:15
Isopropylbenzene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Methyl tert-butyl ether	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Methylene chloride	ND		6.3	µg/Kg-dry	1	10/05/07 17:15
n-Butylbenzene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
n-Propylbenzene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Naphthalene	ND		6.3	µg/Kg-dry	1	10/05/07 17:15
p-Isopropyltoluene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
sec-Butylbenzene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Styrene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
tert-Butylbenzene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Tetrachloroethene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Toluene	790 E		3.1	µg/Kg-dry	1	10/05/07 17:15
trans-1,2-Dichloroethene	110		3.1	µg/Kg-dry	1	10/05/07 17:15
trans-1,3-Dichloropropene	ND		3.1	µg/Kg-dry	1	10/05/07 17:15
Trichloroethene	2300 BE		3.1	µg/Kg-dry	1	10/05/07 17:15
Trichlorofluoromethane	ND		6.3	µg/Kg-dry	1	10/05/07 17:15
Vinyl chloride	ND		6.3	µg/Kg-dry	1	10/05/07 17:15
Xylenes (total)	ND		6.3	µg/Kg-dry	1	10/05/07 17:15
Surr: 1,2-Dichloroethane-d4	104		71-128	%REC	1	10/05/07 17:15
Surr: 4-Bromofluorobenzene	73.6		59-125	%REC	1	10/05/07 17:15
Surr: Dibromofluoromethane	109		40-156	%REC	1	10/05/07 17:15
Surr: Toluene-d8	92.7		75-125	%REC	1	10/05/07 17:15

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS01 11

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 20.4

Revision: 10/30/07 10:43

TestCode 8260SM

Lab ID: 0710024-002ADL

Client Sample ID: MW-06D (22-24)\_100107

Collection Date: 10/01/07 9:49

Date Received: 10/02/07 16:54

PrepDate: 10/15/07 10:00

BatchNo: 6389/R11519

FileID: 1-DL-T0842.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS - MEOH EXTRACT				SW8260B	(SW5035_MED)	
1,1,1,2-Tetrachloroethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,1,1-Trichloroethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,1,2,2-Tetrachloroethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,1,2-Trichloroethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,1-Dichloroethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,1-Dichloroethene	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,1-Dichloropropene	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,2,3-Trichlorobenzene	ND	690		µg/Kg-dry 1		10/17/07 15:13
1,2,3-Trichloropropane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,2,4-Trichlorobenzene	ND	690		µg/Kg-dry 1		10/17/07 15:13
1,2,4-Trimethylbenzene	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,2-Dibromo-3-chloropropane	ND	690		µg/Kg-dry 1		10/17/07 15:13
1,2-Dibromoethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,2-Dichlorobenzene	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,2-Dichloroethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,2-Dichloropropane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,3,5-Trimethylbenzene	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,3-Dichlorobenzene	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,3-Dichloropropane	ND	350		µg/Kg-dry 1		10/17/07 15:13
1,4-Dichlorobenzene	ND	350		µg/Kg-dry 1		10/17/07 15:13
2,2-Dichloropropane	ND	350		µg/Kg-dry 1		10/17/07 15:13
2-Chlorotoluene	ND	350		µg/Kg-dry 1		10/17/07 15:13
4-Chlorotoluene	ND	350		µg/Kg-dry 1		10/17/07 15:13
Benzene	ND	350		µg/Kg-dry 1		10/17/07 15:13
Bromobenzene	ND	350		µg/Kg-dry 1		10/17/07 15:13
Bromochloromethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
Bromodichloromethane	ND	350		µg/Kg-dry 1		10/17/07 15:13
Bromoform	ND	350		µg/Kg-dry 1		10/17/07 15:13
Bromomethane	ND	690		µg/Kg-dry 1		10/17/07 15:13
Carbon tetrachloride	ND	350		µg/Kg-dry 1		10/17/07 15:13
Chlorobenzene	ND	350		µg/Kg-dry 1		10/17/07 15:13
Chloroethane	ND	690		µg/Kg-dry 1		10/17/07 15:13
Chloroform	ND	350		µg/Kg-dry 1		10/17/07 15:13
Chloromethane	ND	690		µg/Kg-dry 1		10/17/07 15:13

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS01 11

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 20.4

Revision: 10/30/07 10:43

TestCode 8260SM

Lab ID: 0710024-002ADL

Client Sample ID: MW-06D (22-24)\_100107

Collection Date: 10/01/07 9:49

Date Received: 10/02/07 16:54

PrepDate: 10/15/07 10:00

BatchNo: 6389/R11519

FileID: 1-DL-T0842.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS - MEOH EXTRACT				SW8260B	(SW5035_MED)	
cis-1,2-Dichloroethene	ND	350		µg/Kg-dry	1	10/17/07 15:13
cis-1,3-Dichloropropene	ND	350		µg/Kg-dry	1	10/17/07 15:13
Dibromochloromethane	ND	350		µg/Kg-dry	1	10/17/07 15:13
Dibromomethane	ND	350		µg/Kg-dry	1	10/17/07 15:13
Dichlorodifluoromethane	ND	690		µg/Kg-dry	1	10/17/07 15:13
Ethylbenzene	ND	350		µg/Kg-dry	1	10/17/07 15:13
Hexachlorobutadiene	ND	690		µg/Kg-dry	1	10/17/07 15:13
Isopropylbenzene	ND	350		µg/Kg-dry	1	10/17/07 15:13
Methyl tert-butyl ether	ND	350		µg/Kg-dry	1	10/17/07 15:13
Methylene chloride	ND	690		µg/Kg-dry	1	10/17/07 15:13
n-Butylbenzene	ND	350		µg/Kg-dry	1	10/17/07 15:13
n-Propylbenzene	ND	350		µg/Kg-dry	1	10/17/07 15:13
Naphthalene	ND	690		µg/Kg-dry	1	10/17/07 15:13
p-Isopropyltoluene	ND	350		µg/Kg-dry	1	10/17/07 15:13
sec-Butylbenzene	ND	350		µg/Kg-dry	1	10/17/07 15:13
Styrene	ND	350		µg/Kg-dry	1	10/17/07 15:13
tert-Butylbenzene	ND	350		µg/Kg-dry	1	10/17/07 15:13
Tetrachloroethene	ND	350		µg/Kg-dry	1	10/17/07 15:13
Toluene	5000	350		µg/Kg-dry	1	10/17/07 15:13
trans-1,2-Dichloroethene	ND	350		µg/Kg-dry	1	10/17/07 15:13
trans-1,3-Dichloropropene	ND	350		µg/Kg-dry	1	10/17/07 15:13
Trichloroethene	7700	350		µg/Kg-dry	1	10/17/07 15:13
Trichlorofluoromethane	ND	690		µg/Kg-dry	1	10/17/07 15:13
Vinyl chloride	ND	690		µg/Kg-dry	1	10/17/07 15:13
Xylenes (total)	ND	690		µg/Kg-dry	1	10/17/07 15:13
Surr: 1,2-Dichloroethane-d4	106	71-128		%REC	1	10/17/07 15:13
Surr: 4-Bromofluorobenzene	93.9	59-125		%REC	1	10/17/07 15:13
Surr: Dibromofluoromethane	80.5	40-156		%REC	1	10/17/07 15:13
Surr: Toluene-d8	104	75-125		%REC	1	10/17/07 15:13

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/12/07 11:26

Sample Size: 5 g

%Moisture: 16.9

TestCode 8260S

Lab ID: 0710024-003A

Client Sample ID: MW-06S (10-12)\_100107

Collection Date: 10/01/07 14:12

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11382

FileID: I-SAMP-J4732.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,1,1-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,1,2,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,1,2-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,1-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,1-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,1-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,2,3-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/08/07 12:04
1,2,3-Trichloropropane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,2,4-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/08/07 12:04
1,2,4-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,2-Dibromo-3-chloropropane	ND	6.0		µg/Kg-dry	1	10/08/07 12:04
1,2-Dibromoethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,2-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,2-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,3,5-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,3-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,3-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
1,4-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
2,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
2-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
4-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Benzene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Bromobenzene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Bromochloromethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Bromodichloromethane	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Bromoform	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Bromomethane	ND	6.0		µg/Kg-dry	1	10/08/07 12:04
Carbon tetrachloride	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Chlorobenzene	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Chloroethane	ND	6.0		µg/Kg-dry	1	10/08/07 12:04
Chloroform	ND	3.0		µg/Kg-dry	1	10/08/07 12:04
Chloromethane	ND	6.0		µg/Kg-dry	1	10/08/07 12:04

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/12/07 11:26

Col Type:

Sample Size: 5 g

%Moisture: 16.9

TestCode 8260S

Lab ID: 0710024-003A

Client Sample ID: MW-06S (10-12)\_100107

Collection Date: 10/01/07 14:12

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11382

FileID: 1-SAMP-J4732.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
cis-1,3-Dichloropropene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Dibromochloromethane	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Dibromomethane	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Dichlorodifluoromethane	ND		6.0	µg/Kg-dry	1	10/08/07 12:04
Ethylbenzene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Hexachlorobutadiene	ND		6.0	µg/Kg-dry	1	10/08/07 12:04
Isopropylbenzene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Methyl tert-butyl ether	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Methylene chloride	ND		6.0	µg/Kg-dry	1	10/08/07 12:04
n-Butylbenzene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
n-Propylbenzene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Naphthalene	ND		6.0	µg/Kg-dry	1	10/08/07 12:04
p-Isopropyltoluene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
sec-Butylbenzene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Styrene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
tert-Butylbenzene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Tetrachloroethene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Toluene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
trans-1,2-Dichloroethene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
trans-1,3-Dichloropropene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Trichloroethene	ND		3.0	µg/Kg-dry	1	10/08/07 12:04
Trichlorofluoromethane	ND		6.0	µg/Kg-dry	1	10/08/07 12:04
Vinyl chloride	ND		6.0	µg/Kg-dry	1	10/08/07 12:04
Xylenes (total)	ND		6.0	µg/Kg-dry	1	10/08/07 12:04
Surr: 1,2-Dichloroethane-d4	97.3		71-128	%REC	1	10/08/07 12:04
Surr: 4-Bromofluorobenzene	262 S		59-125	%REC	1	10/08/07 12:04
Surr: Dibromofluoromethane	101		40-156	%REC	1	10/08/07 12:04
Surr: Toluene-d8	136 S		75-125	%REC	1	10/08/07 12:04

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 10:49

Sample Size: 1 g

%Moisture: 16.9

TestCode 8260S

Lab ID: 0710024-003ADL

Client Sample ID: MW-06S (10-12)\_100107

Collection Date: 10/01/07 14:12

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11395

FileID: 1-DL-J4765.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,1,1-Trichloroethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,1,2,2-Tetrachloroethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,1,2-Trichloroethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,1-Dichloroethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,1-Dichloroethene	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,1-Dichloropropene	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,2,3-Trichlorobenzene	ND	30		µg/Kg-dry	5	10/09/07 19:21
1,2,3-Trichloropropane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,2,4-Trichlorobenzene	ND	30		µg/Kg-dry	5	10/09/07 19:21
1,2,4-Trimethylbenzene	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,2-Dibromo-3-chloropropane	ND	30		µg/Kg-dry	5	10/09/07 19:21
1,2-Dibromoethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,2-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,2-Dichloroethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,2-Dichloropropane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,3,5-Trimethylbenzene	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,3-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,3-Dichloropropane	ND	15		µg/Kg-dry	5	10/09/07 19:21
1,4-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/09/07 19:21
2,2-Dichloropropane	ND	15		µg/Kg-dry	5	10/09/07 19:21
2-Chlorotoluene	ND	15		µg/Kg-dry	5	10/09/07 19:21
4-Chlorotoluene	ND	15		µg/Kg-dry	5	10/09/07 19:21
Benzene	ND	15		µg/Kg-dry	5	10/09/07 19:21
Bromobenzene	ND	15		µg/Kg-dry	5	10/09/07 19:21
Bromochloromethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
Bromodichloromethane	ND	15		µg/Kg-dry	5	10/09/07 19:21
Bromoform	ND	15		µg/Kg-dry	5	10/09/07 19:21
Bromomethane	ND	30		µg/Kg-dry	5	10/09/07 19:21
Carbon tetrachloride	ND	15		µg/Kg-dry	5	10/09/07 19:21
Chlorobenzene	ND	15		µg/Kg-dry	5	10/09/07 19:21
Chloroethane	ND	30		µg/Kg-dry	5	10/09/07 19:21
Chloroform	ND	15		µg/Kg-dry	5	10/09/07 19:21
Chloromethane	ND	30		µg/Kg-dry	5	10/09/07 19:21

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 10:49

Col Type:

Sample Size: 1 g

%Moisture: 16.9

TestCode 8260S

Lab ID: 0710024-003ADL

Client Sample ID: MW-06S (10-12)\_100107

Collection Date: 10/01/07 14:12

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11395

FileID: 1-DL-J4765.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND		15	µg/Kg-dry	5	10/09/07 19:21
cis-1,3-Dichloropropene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Dibromochloromethane	ND		15	µg/Kg-dry	5	10/09/07 19:21
Dibromomethane	ND		15	µg/Kg-dry	5	10/09/07 19:21
Dichlorodifluoromethane	ND		30	µg/Kg-dry	5	10/09/07 19:21
Ethylbenzene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Hexachlorobutadiene	ND		30	µg/Kg-dry	5	10/09/07 19:21
Isopropylbenzene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Methyl tert-butyl ether	ND		15	µg/Kg-dry	5	10/09/07 19:21
Methylene chloride	ND		30	µg/Kg-dry	5	10/09/07 19:21
n-Butylbenzene	ND		15	µg/Kg-dry	5	10/09/07 19:21
n-Propylbenzene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Naphthalene	ND		30	µg/Kg-dry	5	10/09/07 19:21
p-Isopropyltoluene	ND		15	µg/Kg-dry	5	10/09/07 19:21
sec-Butylbenzene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Styrene	ND		15	µg/Kg-dry	5	10/09/07 19:21
tert-Butylbenzene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Tetrachloroethene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Toluene	ND		15	µg/Kg-dry	5	10/09/07 19:21
trans-1,2-Dichloroethene	ND		15	µg/Kg-dry	5	10/09/07 19:21
trans-1,3-Dichloropropene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Trichloroethene	ND		15	µg/Kg-dry	5	10/09/07 19:21
Trichlorofluoromethane	ND		30	µg/Kg-dry	5	10/09/07 19:21
Vinyl chloride	ND		30	µg/Kg-dry	5	10/09/07 19:21
Xylenes (total)	ND		30	µg/Kg-dry	5	10/09/07 19:21
Surr: 1,2-Dichloroethane-d4	101		71-128	%REC	5	10/09/07 19:21
Surr: 4-Bromofluorobenzene	177	S	59-125	%REC	5	10/09/07 19:21
Surr: Dibromofluoromethane	102		40-156	%REC	5	10/09/07 19:21
Surr: Toluene-d8	125		75-125	%REC	5	10/09/07 19:21

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/30/07 10:36

Col Type:

Sample Size: 1 g

%Moisture: 15.6

TestCode 8260S

Lab ID: 0710024-004A

Client Sample ID: MW-06S (16-18)\_100107

Collection Date: 10/01/07 15:07

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11382

FileID: 1-SAMP-J4742.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,1,1-Trichloroethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,1,2,2-Tetrachloroethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,1,2-Trichloroethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,1-Dichloroethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,1-Dichloroethene	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,1-Dichloropropene	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,2,3-Trichlorobenzene	ND	30		µg/Kg-dry	5	10/08/07 18:26
1,2,3-Trichloropropane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,2,4-Trichlorobenzene	ND	30		µg/Kg-dry	5	10/08/07 18:26
1,2,4-Trimethylbenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,2-Dibromo-3-chloropropane	ND	30		µg/Kg-dry	5	10/08/07 18:26
1,2-Dibromoethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,2-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,2-Dichloroethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,2-Dichloropropane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,3,5-Trimethylbenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,3-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,3-Dichloropropane	ND	15		µg/Kg-dry	5	10/08/07 18:26
1,4-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
2,2-Dichloropropane	ND	15		µg/Kg-dry	5	10/08/07 18:26
2-Chlorotoluene	ND	15		µg/Kg-dry	5	10/08/07 18:26
4-Chlorotoluene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Benzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Bromobenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Bromochloromethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
Bromodichloromethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
Bromoform	ND	15		µg/Kg-dry	5	10/08/07 18:26
Bromomethane	ND	30		µg/Kg-dry	5	10/08/07 18:26
Carbon tetrachloride	ND	15		µg/Kg-dry	5	10/08/07 18:26
Chlorobenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Chloroethane	ND	30		µg/Kg-dry	5	10/08/07 18:26
Chloroform	ND	15		µg/Kg-dry	5	10/08/07 18:26
Chloromethane	ND	30		µg/Kg-dry	5	10/08/07 18:26

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/30/07 10:36

Col Type:

Sample Size: 1 g

%Moisture: 15.6

TestCode 8260S

Lab ID: 0710024-004A

Client Sample ID: MW-06S (16-18)\_100107

Collection Date: 10/01/07 15:07

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11382

FileID: I-SAMP-J4742.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>			<b>SW8260B</b>			
cis-1,2-Dichloroethene	ND	15		µg/Kg-dry	5	10/08/07 18:26
cis-1,3-Dichloropropene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Dibromochloromethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
Dibromomethane	ND	15		µg/Kg-dry	5	10/08/07 18:26
Dichlorodifluoromethane	ND	30		µg/Kg-dry	5	10/08/07 18:26
Ethylbenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Hexachlorobutadiene	ND	30		µg/Kg-dry	5	10/08/07 18:26
Isopropylbenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Methyl tert-butyl ether	ND	15		µg/Kg-dry	5	10/08/07 18:26
Methylene chloride	ND	30		µg/Kg-dry	5	10/08/07 18:26
n-Butylbenzene	38	15		µg/Kg-dry	5	10/08/07 18:26
n-Propylbenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Naphthalene	ND	30		µg/Kg-dry	5	10/08/07 18:26
p-Isopropyltoluene	ND	15		µg/Kg-dry	5	10/08/07 18:26
sec-Butylbenzene	24	15		µg/Kg-dry	5	10/08/07 18:26
Styrene	ND	15		µg/Kg-dry	5	10/08/07 18:26
tert-Butylbenzene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Tetrachloroethene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Toluene	ND	15		µg/Kg-dry	5	10/08/07 18:26
trans-1,2-Dichloroethene	ND	15		µg/Kg-dry	5	10/08/07 18:26
trans-1,3-Dichloropropene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Trichloroethene	ND	15		µg/Kg-dry	5	10/08/07 18:26
Trichlorofluoromethane	ND	30		µg/Kg-dry	5	10/08/07 18:26
Vinyl chloride	ND	30		µg/Kg-dry	5	10/08/07 18:26
Xylenes (total)	ND	30		µg/Kg-dry	5	10/08/07 18:26
Surr: 1,2-Dichloroethane-d4	91.5	71-128		%REC	5	10/08/07 18:26
Surr: 4-Bromofluorobenzene	171 S	59-125		%REC	5	10/08/07 18:26
Surr: Dibromofluoromethane	97.0	40-156		%REC	5	10/08/07 18:26
Surr: Toluene-d8	109	75-125		%REC	5	10/08/07 18:26

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Project:** BMS-Krutulis

**W Order:** 0710024

**Matrix:** SOIL

**Inst. ID:** MS03 10

**Sample Size:** 1 g

**ColumnID:** Rtx-VMS

**%Moisture:** 15.6

**Revision:** 10/30/07 10:37

**TestCode:** 8260S

**Lab ID:** 0710024-004ARA

**Client Sample ID:** MW-06S (16-18)\_100107

**Collection Date:** 10/01/07 15:07

**Date Received:** 10/02/07 16:54

**PrepDate:**

**BatchNo:** R11395

**FileID:** 1-RA-J4767.D

**Col Type:**

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>		
1,1,1,2-Tetrachloroethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,1,1-Trichloroethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,1,2,2-Tetrachloroethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,1,2-Trichloroethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,1-Dichloroethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,1-Dichloroethene	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,1-Dichloropropene	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,2,3-Trichlorobenzene	ND	30		µg/Kg-dry	5	10/09/07 20:34
1,2,3-Trichloropropane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,2,4-Trichlorobenzene	ND	30		µg/Kg-dry	5	10/09/07 20:34
1,2,4-Trimethylbenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,2-Dibromo-3-chloropropane	ND	30		µg/Kg-dry	5	10/09/07 20:34
1,2-Dibromoethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,2-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,2-Dichloroethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,2-Dichloropropane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,3,5-Trimethylbenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,3-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,3-Dichloropropane	ND	15		µg/Kg-dry	5	10/09/07 20:34
1,4-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
2,2-Dichloropropane	ND	15		µg/Kg-dry	5	10/09/07 20:34
2-Chlorotoluene	ND	15		µg/Kg-dry	5	10/09/07 20:34
4-Chlorotoluene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Benzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Bromobenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Bromochloromethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
Bromodichloromethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
Bromoform	ND	15		µg/Kg-dry	5	10/09/07 20:34
Bromomethane	ND	30		µg/Kg-dry	5	10/09/07 20:34
Carbon tetrachloride	ND	15		µg/Kg-dry	5	10/09/07 20:34
Chlorobenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Chloroethane	ND	30		µg/Kg-dry	5	10/09/07 20:34
Chloroform	ND	15		µg/Kg-dry	5	10/09/07 20:34
Chloromethane	ND	30		µg/Kg-dry	5	10/09/07 20:34

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/30/07 10:37

Col Type:

Sample Size: 1 g

%Moisture: 15.6

TestCode 8260S

Lab ID: 0710024-004ARA

Client Sample ID: MW-06S (16-18)\_100107

Collection Date: 10/01/07 15:07

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11395

FileID: 1-RA-J4767.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND	15		µg/Kg-dry	5	10/09/07 20:34
cis-1,3-Dichloropropene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Dibromochloromethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
Dibromomethane	ND	15		µg/Kg-dry	5	10/09/07 20:34
Dichlorodifluoromethane	ND	30		µg/Kg-dry	5	10/09/07 20:34
Ethylbenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Hexachlorobutadiene	ND	30		µg/Kg-dry	5	10/09/07 20:34
Isopropylbenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Methyl tert-butyl ether	ND	15		µg/Kg-dry	5	10/09/07 20:34
Methylene chloride	ND	30		µg/Kg-dry	5	10/09/07 20:34
n-Butylbenzene	27	15		µg/Kg-dry	5	10/09/07 20:34
n-Propylbenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Naphthalene	ND	30		µg/Kg-dry	5	10/09/07 20:34
p-Isopropyltoluene	ND	15		µg/Kg-dry	5	10/09/07 20:34
sec-Butylbenzene	15	15		µg/Kg-dry	5	10/09/07 20:34
Styrene	ND	15		µg/Kg-dry	5	10/09/07 20:34
tert-Butylbenzene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Tetrachloroethene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Toluene	ND	15		µg/Kg-dry	5	10/09/07 20:34
trans-1,2-Dichloroethene	ND	15		µg/Kg-dry	5	10/09/07 20:34
trans-1,3-Dichloropropene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Trichloroethene	ND	15		µg/Kg-dry	5	10/09/07 20:34
Trichlorofluoromethane	ND	30		µg/Kg-dry	5	10/09/07 20:34
Vinyl chloride	ND	30		µg/Kg-dry	5	10/09/07 20:34
Xylenes (total)	ND	30		µg/Kg-dry	5	10/09/07 20:34
Surr: 1,2-Dichloroethane-d4	95.9	71-128		%REC	5	10/09/07 20:34
Surr: 4-Bromofluorobenzene	165 S	59-125		%REC	5	10/09/07 20:34
Surr: Dibromofluoromethane	101	40-156		%REC	5	10/09/07 20:34
Surr: Toluene-d8	123	75-125		%REC	5	10/09/07 20:34

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 16.8

Revision: 10/11/07 10:49

TestCode 8260S

Lab ID: 0710024-005A

Client Sample ID: MW-03D (8-10)\_100207

Collection Date: 10/02/07 9:43

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11395

FileID: I-SAMP-J4764.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			SW8260B			
1,1,1,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,1,1-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,1,2,2-Tetrachloroethane	16	3.0		µg/Kg-dry	1	10/09/07 18:35
1,1,2-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,1-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,1-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,1-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,2,3-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
1,2,3-Trichloropropane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,2,4-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
1,2,4-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,2-Dibromo-3-chloropropane	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
1,2-Dibromoethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,2-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,2-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,3,5-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,3-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,3-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
1,4-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
2,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
2-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
4-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Benzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Bromobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Bromochloromethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Bromodichloromethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Bromoform	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Bromomethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
Carbon tetrachloride	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Chlorobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Chloroethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
Chloroform	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Chloromethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:35

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 10:49

Sample Size: 5 g

%Moisture: 16.8

TestCode 8260S

Lab ID: 0710024-005A

Client Sample ID: MW-03D (8-10)\_100207

Collection Date: 10/02/07 9:43

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11395

FileID: I-SAMP-J4764.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	11	3.0		µg/Kg-dry	1	10/09/07 18:35
cis-1,3-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Dibromochloromethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Dibromomethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Dichlorodifluoromethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
Ethylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Hexachlorobutadiene	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
Isopropylbenzene	6.9	3.0		µg/Kg-dry	1	10/09/07 18:35
Methyl tert-butyl ether	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Methylene chloride	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
n-Butylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
n-Propylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Naphthalene	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
p-Isopropyltoluene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
sec-Butylbenzene	24	3.0		µg/Kg-dry	1	10/09/07 18:35
Styrene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
tert-Butylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Tetrachloroethene	43	3.0		µg/Kg-dry	1	10/09/07 18:35
Toluene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
trans-1,2-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
trans-1,3-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/09/07 18:35
Trichloroethene	200	3.0		µg/Kg-dry	1	10/09/07 18:35
Trichlorofluoromethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
Vinyl chloride	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
Xylenes (total)	ND	6.0		µg/Kg-dry	1	10/09/07 18:35
Surr: 1,2-Dichloroethane-d4	99.2	71-128		%REC	1	10/09/07 18:35
Surr: 4-Bromofluorobenzene	92.2	59-125		%REC	1	10/09/07 18:35
Surr: Dibromofluoromethane	101	40-156		%REC	1	10/09/07 18:35
Surr: Toluene-d8	104	75-125		%REC	1	10/09/07 18:35

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/12/07 11:32

Col Type:

Sample Size: 1 g

%Moisture: 15.2

TestCode 8260S

Lab ID: 0710024-006A

Client Sample ID: MW-03D (18-20)\_100207

Collection Date: 10/02/07 10:09

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11405

FileID: 1-SAMP-J4791.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS			SW8260B			
1,1,1,2-Tetrachloroethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,1,1-Trichloroethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,1,2,2-Tetrachloroethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,1,2-Trichloroethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,1-Dichloroethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,1-Dichloroethene	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,1-Dichloropropene	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,2,3-Trichlorobenzene	ND	29		µg/Kg-dry	5	10/10/07 19:32
1,2,3-Trichloropropane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,2,4-Trichlorobenzene	ND	29		µg/Kg-dry	5	10/10/07 19:32
1,2,4-Trimethylbenzene	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,2-Dibromo-3-chloropropane	ND	29		µg/Kg-dry	5	10/10/07 19:32
1,2-Dibromoethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,2-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,2-Dichloroethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,2-Dichloropropane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,3,5-Trimethylbenzene	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,3-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,3-Dichloropropane	ND	15		µg/Kg-dry	5	10/10/07 19:32
1,4-Dichlorobenzene	ND	15		µg/Kg-dry	5	10/10/07 19:32
2,2-Dichloropropane	ND	15		µg/Kg-dry	5	10/10/07 19:32
2-Chlorotoluene	ND	15		µg/Kg-dry	5	10/10/07 19:32
4-Chlorotoluene	ND	15		µg/Kg-dry	5	10/10/07 19:32
Benzene	ND	15		µg/Kg-dry	5	10/10/07 19:32
Bromobenzene	ND	15		µg/Kg-dry	5	10/10/07 19:32
Bromochloromethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
Bromodichloromethane	ND	15		µg/Kg-dry	5	10/10/07 19:32
Bromoform	ND	15		µg/Kg-dry	5	10/10/07 19:32
Bromomethane	ND	29		µg/Kg-dry	5	10/10/07 19:32
Carbon tetrachloride	ND	15		µg/Kg-dry	5	10/10/07 19:32
Chlorobenzene	ND	15		µg/Kg-dry	5	10/10/07 19:32
Chloroethane	ND	29		µg/Kg-dry	5	10/10/07 19:32
Chloroform	ND	15		µg/Kg-dry	5	10/10/07 19:32
Chloromethane	ND	29		µg/Kg-dry	5	10/10/07 19:32

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 1 g

ColumnID: Rtx-VMS

%Moisture: 15.2

Revision: 10/12/07 11:32

TestCode 8260S

Lab ID: 0710024-006A

Client Sample ID: MW-03D (18-20)\_100207

Collection Date: 10/02/07 10:09

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11405

FileID: 1-SAMP-J4791.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND		15	µg/Kg-dry	5	10/10/07 19:32
cis-1,3-Dichloropropene	ND		15	µg/Kg-dry	5	10/10/07 19:32
Dibromochloromethane	ND		15	µg/Kg-dry	5	10/10/07 19:32
Dibromomethane	ND		15	µg/Kg-dry	5	10/10/07 19:32
Dichlorodifluoromethane	ND		29	µg/Kg-dry	5	10/10/07 19:32
Ethylbenzene	51		15	µg/Kg-dry	5	10/10/07 19:32
Hexachlorobutadiene	ND		29	µg/Kg-dry	5	10/10/07 19:32
Isopropylbenzene	ND		15	µg/Kg-dry	5	10/10/07 19:32
Methyl tert-butyl ether	ND		15	µg/Kg-dry	5	10/10/07 19:32
Methylene chloride	ND		29	µg/Kg-dry	5	10/10/07 19:32
n-Butylbenzene	ND		15	µg/Kg-dry	5	10/10/07 19:32
n-Propylbenzene	ND		15	µg/Kg-dry	5	10/10/07 19:32
Naphthalene	ND		29	µg/Kg-dry	5	10/10/07 19:32
p-Isopropyltoluene	ND		15	µg/Kg-dry	5	10/10/07 19:32
sec-Butylbenzene	ND		15	µg/Kg-dry	5	10/10/07 19:32
Styrene	ND		15	µg/Kg-dry	5	10/10/07 19:32
tert-Butylbenzene	ND		15	µg/Kg-dry	5	10/10/07 19:32
Tetrachloroethene	4500 E		15	µg/Kg-dry	5	10/10/07 19:32
Toluene	100		15	µg/Kg-dry	5	10/10/07 19:32
trans-1,2-Dichloroethene	ND		15	µg/Kg-dry	5	10/10/07 19:32
trans-1,3-Dichloropropene	ND		15	µg/Kg-dry	5	10/10/07 19:32
Trichloroethene	8600 E		15	µg/Kg-dry	5	10/10/07 19:32
Trichlorofluoromethane	ND		29	µg/Kg-dry	5	10/10/07 19:32
Vinyl chloride	ND		29	µg/Kg-dry	5	10/10/07 19:32
Xylenes (total)	ND		29	µg/Kg-dry	5	10/10/07 19:32
Surr: 1,2-Dichloroethane-d4	105		71-128	%REC	5	10/10/07 19:32
Surr: 4-Bromofluorobenzene	89.3		59-125	%REC	5	10/10/07 19:32
Surr: Dibromofluoromethane	103		40-156	%REC	5	10/10/07 19:32
Surr: Toluene-d8	99.9		75-125	%REC	5	10/10/07 19:32

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS02 12

Sample Size: 5 g

ColumnID: Rtx-502.2

%Moisture: 15.2

Revision: 10/29/07 13:44

TestCode 8260SM

Lab ID: 0710024-006ADL

Client Sample ID: MW-03D (18-20)\_100207

Collection Date: 10/02/07 10:09

Date Received: 10/02/07 16:54

PrepDate: 10/11/07 14:30

BatchNo: 6357/R11536

FileID: 1-DL-M2909.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS - MEOH EXTRACT				SW8260B	(SW5035_MED)	
1,1,1,2-Tetrachloroethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,1,1-Trichloroethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,1,2,2-Tetrachloroethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,1,2-Trichloroethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,1-Dichloroethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,1-Dichloroethene	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,1-Dichloropropene	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,2,3-Trichlorobenzene	ND	630		µg/Kg-dry 1		10/13/07 3:40
1,2,3-Trichloropropane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,2,4-Trichlorobenzene	ND	630		µg/Kg-dry 1		10/13/07 3:40
1,2,4-Trimethylbenzene	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,2-Dibromo-3-chloropropane	ND	630		µg/Kg-dry 1		10/13/07 3:40
1,2-Dibromoethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,2-Dichlorobenzene	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,2-Dichloroethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,2-Dichloropropane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,3,5-Trimethylbenzene	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,3-Dichlorobenzene	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,3-Dichloropropane	ND	320		µg/Kg-dry 1		10/13/07 3:40
1,4-Dichlorobenzene	ND	320		µg/Kg-dry 1		10/13/07 3:40
2,2-Dichloropropane	ND	320		µg/Kg-dry 1		10/13/07 3:40
2-Chlorotoluene	ND	320		µg/Kg-dry 1		10/13/07 3:40
4-Chlorotoluene	ND	320		µg/Kg-dry 1		10/13/07 3:40
Benzene	ND	320		µg/Kg-dry 1		10/13/07 3:40
Bromobenzene	ND	320		µg/Kg-dry 1		10/13/07 3:40
Bromochloromethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
Bromodichloromethane	ND	320		µg/Kg-dry 1		10/13/07 3:40
Bromoform	ND	320		µg/Kg-dry 1		10/13/07 3:40
Bromomethane	ND	630		µg/Kg-dry 1		10/13/07 3:40
Carbon tetrachloride	ND	320		µg/Kg-dry 1		10/13/07 3:40
Chlorobenzene	ND	320		µg/Kg-dry 1		10/13/07 3:40
Chloroethane	ND	630		µg/Kg-dry 1		10/13/07 3:40
Chloroform	ND	320		µg/Kg-dry 1		10/13/07 3:40
Chloromethane	ND	630		µg/Kg-dry 1		10/13/07 3:40

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS02 12

Sample Size: 5 g

ColumnID: Rtx-502.2

%Moisture: 15.2

Revision: 10/29/07 13:44

TestCode 8260SM

Lab ID: 0710024-006ADL

Client Sample ID: MW-03D (18-20)\_100207

Collection Date: 10/02/07 10:09

Date Received: 10/02/07 16:54

PrepDate: 10/11/07 14:30

BatchNo: 6357/R11536

FileID: 1-DL-M2909.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS - MEOH EXTRACT				SW8260B	(SW5035_MED)	
cis-1,2-Dichloroethene	ND		320	µg/Kg-dry	1	10/13/07 3:40
cis-1,3-Dichloropropene	ND		320	µg/Kg-dry	1	10/13/07 3:40
Dibromochloromethane	ND		320	µg/Kg-dry	1	10/13/07 3:40
Dibromomethane	ND		320	µg/Kg-dry	1	10/13/07 3:40
Dichlorodifluoromethane	ND		630	µg/Kg-dry	1	10/13/07 3:40
Ethylbenzene	ND		320	µg/Kg-dry	1	10/13/07 3:40
Hexachlorobutadiene	ND		630	µg/Kg-dry	1	10/13/07 3:40
Isopropylbenzene	ND		320	µg/Kg-dry	1	10/13/07 3:40
Methyl tert-butyl ether	ND		320	µg/Kg-dry	1	10/13/07 3:40
Methylene chloride	ND		630	µg/Kg-dry	1	10/13/07 3:40
n-Butylbenzene	ND		320	µg/Kg-dry	1	10/13/07 3:40
n-Propylbenzene	ND		320	µg/Kg-dry	1	10/13/07 3:40
Naphthalene	ND		630	µg/Kg-dry	1	10/13/07 3:40
p-Isopropyltoluene	ND		320	µg/Kg-dry	1	10/13/07 3:40
sec-Butylbenzene	ND		320	µg/Kg-dry	1	10/13/07 3:40
Styrene	ND		320	µg/Kg-dry	1	10/13/07 3:40
tert-Butylbenzene	ND		320	µg/Kg-dry	1	10/13/07 3:40
Tetrachloroethene	1000		320	µg/Kg-dry	1	10/13/07 3:40
Toluene	320		320	µg/Kg-dry	1	10/13/07 3:40
trans-1,2-Dichloroethene	ND		320	µg/Kg-dry	1	10/13/07 3:40
trans-1,3-Dichloropropene	ND		320	µg/Kg-dry	1	10/13/07 3:40
Trichloroethene	7900		320	µg/Kg-dry	1	10/13/07 3:40
Trichlorofluoromethane	ND		630	µg/Kg-dry	1	10/13/07 3:40
Vinyl chloride	ND		630	µg/Kg-dry	1	10/13/07 3:40
Xylenes (total)	ND		630	µg/Kg-dry	1	10/13/07 3:40
Surr: 1,2-Dichloroethane-d4	91.5		71-128	%REC	1	10/13/07 3:40
Surr: 4-Bromofluorobenzene	92.6		59-125	%REC	1	10/13/07 3:40
Surr: Dibromofluoromethane	88.9		40-156	%REC	1	10/13/07 3:40
Surr: Toluene-d8	93.2		75-125	%REC	1	10/13/07 3:40

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 10:49

Sample Size: 5 g

%Moisture: 16.2

TestCode 8260S

Lab ID: 0710024-007A

Client Sample ID: MW-03D (26-28)\_100207

Collection Date: 10/02/07 12:22

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11395

FileID: 1-SAMP-J4763.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,1,1-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,1,2,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,1,2-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,1-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,1-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,1-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,2,3-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
1,2,3-Trichloropropane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,2,4-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
1,2,4-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,2-Dibromo-3-chloropropane	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
1,2-Dibromoethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,2-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,2-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,3,5-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,3-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,3-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
1,4-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
2,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
2-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
4-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Benzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Bromobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Bromochloromethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Bromodichloromethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Bromoform	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Bromomethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
Carbon tetrachloride	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Chlorobenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Chloroethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
Chloroform	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Chloromethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:01

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 16.2

Revision: 10/11/07 10:49

TestCode 8260S

Lab ID: 0710024-007A

Client Sample ID: MW-03D (26-28)\_100207

Collection Date: 10/02/07 12:22

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11395

FileID: 1-SAMP-J4763.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
cis-1,3-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Dibromochloromethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Dibromomethane	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Dichlorodifluoromethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
Ethylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Hexachlorobutadiene	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
Isopropylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Methyl tert-butyl ether	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Methylene chloride	13	6.0		µg/Kg-dry	1	10/09/07 18:01
n-Butylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
n-Propylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Naphthalene	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
p-Isopropyltoluene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
sec-Butylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Styrene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
tert-Butylbenzene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Tetrachloroethene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Toluene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
trans-1,2-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
trans-1,3-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/09/07 18:01
Trichloroethene	9.1	3.0		µg/Kg-dry	1	10/09/07 18:01
Trichlorofluoromethane	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
Vinyl chloride	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
Xylenes (total)	ND	6.0		µg/Kg-dry	1	10/09/07 18:01
Surr: 1,2-Dichloroethane-d4	114	71-128		%REC	1	10/09/07 18:01
Surr: 4-Bromofluorobenzene	73.4	59-125		%REC	1	10/09/07 18:01
Surr: Dibromofluoromethane	120	40-156		%REC	1	10/09/07 18:01
Surr: Toluene-d8	75.8	75-125		%REC	1	10/09/07 18:01

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/12/07 10:25

Col Type:

Sample Size: 5 g

%Moisture: 16.2

TestCode 8260S

Lab ID: 0710024-007ARA

Client Sample ID: MW-03D (26-28)\_100207

Collection Date: 10/02/07 12:22

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11405

FileID: 1-RA-J4788.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,1,1-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,1,2,2-Tetrachloroethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,1,2-Trichloroethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,1-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,1-Dichloroethene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,1-Dichloropropene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,2,3-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/10/07 17:49
1,2,3-Trichloropropane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,2,4-Trichlorobenzene	ND	6.0		µg/Kg-dry	1	10/10/07 17:49
1,2,4-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,2-Dibromo-3-chloropropane	ND	6.0		µg/Kg-dry	1	10/10/07 17:49
1,2-Dibromoethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,2-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,2-Dichloroethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,3,5-Trimethylbenzene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,3-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,3-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
1,4-Dichlorobenzene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
2,2-Dichloropropane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
2-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
4-Chlorotoluene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Benzene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Bromobenzene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Bromochloromethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Bromodichloromethane	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Bromoform	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Bromomethane	ND	6.0		µg/Kg-dry	1	10/10/07 17:49
Carbon tetrachloride	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Chlorobenzene	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Chloroethane	ND	6.0		µg/Kg-dry	1	10/10/07 17:49
Chloroform	ND	3.0		µg/Kg-dry	1	10/10/07 17:49
Chloromethane	ND	6.0		µg/Kg-dry	1	10/10/07 17:49

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: SOIL

Inst. ID: MS03 10

Sample Size: 5 g

ColumnID: Rtx-VMS

%Moisture: 16.2

Revision: 10/12/07 10:25

TestCode 8260S

Lab ID: 0710024-007ARA

Client Sample ID: MW-03D (26-28)\_100207

Collection Date: 10/02/07 12:22

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11405

FileID: I-RA-J4788.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
cis-1,3-Dichloropropene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Dibromochloromethane	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Dibromomethane	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Dichlorodifluoromethane	ND		6.0	µg/Kg-dry	1	10/10/07 17:49
Ethylbenzene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Hexachlorobutadiene	ND		6.0	µg/Kg-dry	1	10/10/07 17:49
Isopropylbenzene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Methyl tert-butyl ether	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Methylene chloride	ND		6.0	µg/Kg-dry	1	10/10/07 17:49
n-Butylbenzene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
n-Propylbenzene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Naphthalene	ND		6.0	µg/Kg-dry	1	10/10/07 17:49
p-Isopropyltoluene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
sec-Butylbenzene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Styrene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
tert-Butylbenzene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Tetrachloroethene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Toluene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
trans-1,2-Dichloroethene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
trans-1,3-Dichloropropene	ND		3.0	µg/Kg-dry	1	10/10/07 17:49
Trichloroethene	7.3		3.0	µg/Kg-dry	1	10/10/07 17:49
Trichlorofluoromethane	ND		6.0	µg/Kg-dry	1	10/10/07 17:49
Vinyl chloride	ND		6.0	µg/Kg-dry	1	10/10/07 17:49
Xylenes (total)	ND		6.0	µg/Kg-dry	1	10/10/07 17:49
Surr: 1,2-Dichloroethane-d4	122		71-128	%REC	1	10/10/07 17:49
Surr: 4-Bromofluorobenzene	76.6		59-125	%REC	1	10/10/07 17:49
Surr: Dibromofluoromethane	121		40-156	%REC	1	10/10/07 17:49
Surr: Toluene-d8	77.8		75-125	%REC	1	10/10/07 17:49

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: WATER Q

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 8:23

Sample Size: 5 mL

%Moisture:

TestCode 8260S

Lab ID: 0710024-008A

Client Sample ID: EB\_100207

Collection Date: 10/02/07 15:30

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11344

FileID: 1-SAMP-J4687.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,1,1-Trichloroethane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,1,2,2-Tetrachloroethane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,1,2-Trichloroethane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,1-Dichloroethane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,1-Dichloroethene	ND	2.5		µg/Kg	1	10/05/07 11:52
1,1-Dichloropropene	ND	2.5		µg/Kg	1	10/05/07 11:52
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	10/05/07 11:52
1,2,3-Trichloropropane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	10/05/07 11:52
1,2,4-Trimethylbenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
1,2-Dibromo-3-chloropropane	ND	5.0		µg/Kg	1	10/05/07 11:52
1,2-Dibromoethane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,2-Dichlorobenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
1,2-Dichloroethane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,2-Dichloropropane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,3,5-Trimethylbenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
1,3-Dichlorobenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
1,3-Dichloropropane	ND	2.5		µg/Kg	1	10/05/07 11:52
1,4-Dichlorobenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
2,2-Dichloropropane	ND	2.5		µg/Kg	1	10/05/07 11:52
2-Chlorotoluene	ND	2.5		µg/Kg	1	10/05/07 11:52
4-Chlorotoluene	ND	2.5		µg/Kg	1	10/05/07 11:52
Benzene	ND	2.5		µg/Kg	1	10/05/07 11:52
Bromobenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
Bromochloromethane	ND	2.5		µg/Kg	1	10/05/07 11:52
Bromodichloromethane	ND	2.5		µg/Kg	1	10/05/07 11:52
Bromoform	ND	2.5		µg/Kg	1	10/05/07 11:52
Bromomethane	ND	5.0		µg/Kg	1	10/05/07 11:52
Carbon tetrachloride	ND	2.5		µg/Kg	1	10/05/07 11:52
Chlorobenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
Chloroethane	ND	5.0		µg/Kg	1	10/05/07 11:52
Chloroform	ND	2.5		µg/Kg	1	10/05/07 11:52
Chloromethane	ND	5.0		µg/Kg	1	10/05/07 11:52

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: WATER Q

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 8:23

Sample Size: 5 mL

%Moisture:

TestCode 8260S

Lab ID: 0710024-008A

Client Sample ID: EB\_100207

Collection Date: 10/02/07 15:30

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11344

FileID: 1-SAMP-J4687.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND	2.5		µg/Kg	1	10/05/07 11:52
cis-1,3-Dichloropropene	ND	2.5		µg/Kg	1	10/05/07 11:52
Dibromochloromethane	ND	2.5		µg/Kg	1	10/05/07 11:52
Dibromomethane	ND	2.5		µg/Kg	1	10/05/07 11:52
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	10/05/07 11:52
Ethylbenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
Hexachlorobutadiene	ND	5.0		µg/Kg	1	10/05/07 11:52
Isopropylbenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
Methyl tert-butyl ether	ND	2.5		µg/Kg	1	10/05/07 11:52
Methylene chloride	ND	5.0		µg/Kg	1	10/05/07 11:52
n-Butylbenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
n-Propylbenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
Naphthalene	ND	5.0		µg/Kg	1	10/05/07 11:52
p-Isopropyltoluene	ND	2.5		µg/Kg	1	10/05/07 11:52
sec-Butylbenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
Styrene	ND	2.5		µg/Kg	1	10/05/07 11:52
tert-Butylbenzene	ND	2.5		µg/Kg	1	10/05/07 11:52
Tetrachloroethene	ND	2.5		µg/Kg	1	10/05/07 11:52
Toluene	ND	2.5		µg/Kg	1	10/05/07 11:52
trans-1,2-Dichloroethene	ND	2.5		µg/Kg	1	10/05/07 11:52
trans-1,3-Dichloropropene	ND	2.5		µg/Kg	1	10/05/07 11:52
Trichloroethene	ND	2.5		µg/Kg	1	10/05/07 11:52
Trichlorofluoromethane	ND	5.0		µg/Kg	1	10/05/07 11:52
Vinyl chloride	ND	5.0		µg/Kg	1	10/05/07 11:52
Xylenes (total)	ND	5.0		µg/Kg	1	10/05/07 11:52
Surr: 1,2-Dichloroethane-d4	97.6	71-128		%REC	1	10/05/07 11:52
Surr: 4-Bromofluorobenzene	102	59-125		%REC	1	10/05/07 11:52
Surr: Dibromofluoromethane	101	40-156		%REC	1	10/05/07 11:52
Surr: Toluene-d8	108	75-125		%REC	1	10/05/07 11:52

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: WATER Q

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 8:23

Sample Size: 5 mL

%Moisture:

TestCode 8260S

Lab ID: 0710024-009A

Client Sample ID: TB\_100207

Collection Date: 10/02/07 0:00

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11344

FileID: 1-SAMP-J4688.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,1,1-Trichloroethane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,1,2,2-Tetrachloroethane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,1,2-Trichloroethane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,1-Dichloroethane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,1-Dichloroethene	ND	2.5		µg/Kg	1	10/05/07 12:26
1,1-Dichloropropene	ND	2.5		µg/Kg	1	10/05/07 12:26
1,2,3-Trichlorobenzene	ND	5.0		µg/Kg	1	10/05/07 12:26
1,2,3-Trichloropropane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,2,4-Trichlorobenzene	ND	5.0		µg/Kg	1	10/05/07 12:26
1,2,4-Trimethylbenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
1,2-Dibromo-3-chloropropane	ND	5.0		µg/Kg	1	10/05/07 12:26
1,2-Dibromoethane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,2-Dichlorobenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
1,2-Dichloroethane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,2-Dichloropropane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,3,5-Trimethylbenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
1,3-Dichlorobenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
1,3-Dichloropropane	ND	2.5		µg/Kg	1	10/05/07 12:26
1,4-Dichlorobenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
2,2-Dichloropropane	ND	2.5		µg/Kg	1	10/05/07 12:26
2-Chlorotoluene	ND	2.5		µg/Kg	1	10/05/07 12:26
4-Chlorotoluene	ND	2.5		µg/Kg	1	10/05/07 12:26
Benzene	ND	2.5		µg/Kg	1	10/05/07 12:26
Bromobenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
Bromochloromethane	ND	2.5		µg/Kg	1	10/05/07 12:26
Bromodichloromethane	ND	2.5		µg/Kg	1	10/05/07 12:26
Bromoform	ND	2.5		µg/Kg	1	10/05/07 12:26
Bromomethane	ND	5.0		µg/Kg	1	10/05/07 12:26
Carbon tetrachloride	ND	2.5		µg/Kg	1	10/05/07 12:26
Chlorobenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
Chloroethane	ND	5.0		µg/Kg	1	10/05/07 12:26
Chloroform	ND	2.5		µg/Kg	1	10/05/07 12:26
Chloromethane	ND	5.0		µg/Kg	1	10/05/07 12:26

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710024

Matrix: WATER Q

Inst. ID: MS03 10

ColumnID: Rtx-VMS

Revision: 10/11/07 8:23

Col Type:

Sample Size: 5 mL

%Moisture:

TestCode 8260S

Lab ID: 0710024-009A

Client Sample ID: TB\_100207

Collection Date: 10/02/07 0:00

Date Received: 10/02/07 16:54

PrepDate:

BatchNo: R11344

FileID: I-SAMP-J4688.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND	2.5		µg/Kg	1	10/05/07 12:26
cis-1,3-Dichloropropene	ND	2.5		µg/Kg	1	10/05/07 12:26
Dibromochloromethane	ND	2.5		µg/Kg	1	10/05/07 12:26
Dibromomethane	ND	2.5		µg/Kg	1	10/05/07 12:26
Dichlorodifluoromethane	ND	5.0		µg/Kg	1	10/05/07 12:26
Ethylbenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
Hexachlorobutadiene	ND	5.0		µg/Kg	1	10/05/07 12:26
Isopropylbenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
Methyl tert-butyl ether	ND	2.5		µg/Kg	1	10/05/07 12:26
Methylene chloride	ND	5.0		µg/Kg	1	10/05/07 12:26
n-Butylbenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
n-Propylbenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
Naphthalene	ND	5.0		µg/Kg	1	10/05/07 12:26
p-Isopropyltoluene	ND	2.5		µg/Kg	1	10/05/07 12:26
sec-Butylbenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
Styrene	ND	2.5		µg/Kg	1	10/05/07 12:26
tert-Butylbenzene	ND	2.5		µg/Kg	1	10/05/07 12:26
Tetrachloroethene	ND	2.5		µg/Kg	1	10/05/07 12:26
Toluene	ND	2.5		µg/Kg	1	10/05/07 12:26
trans-1,2-Dichloroethene	ND	2.5		µg/Kg	1	10/05/07 12:26
trans-1,3-Dichloropropene	ND	2.5		µg/Kg	1	10/05/07 12:26
Trichloroethene	ND	2.5		µg/Kg	1	10/05/07 12:26
Trichlorofluoromethane	ND	5.0		µg/Kg	1	10/05/07 12:26
Vinyl chloride	ND	5.0		µg/Kg	1	10/05/07 12:26
Xylenes (total)	ND	5.0		µg/Kg	1	10/05/07 12:26
Surr: 1,2-Dichloroethane-d4	96.4	71-128		%REC	1	10/05/07 12:26
Surr: 4-Bromofluorobenzene	101	59-125		%REC	1	10/05/07 12:26
Surr: Dibromofluoromethane	101	40-156		%REC	1	10/05/07 12:26
Surr: Toluene-d8	106	75-125		%REC	1	10/05/07 12:26

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710024-006AMS		SampType: MS	TestCode: 8260S		Units: µg/Kg-dry	Prep Date:		RunNo: 11382			
Client ID: MW-03D (18-20)_100		Batch ID: R11382	Method: SW8260B			Analysis Date: 10/8/2007		SeqNo: 310165			
Instrument: MS03_10		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	261	15	295	0	88	70	130				
1,1,1-Trichloroethane	235	15	295	0	80	70	142				
1,1,2,2-Tetrachloroethane	416	15	295	0	141	63	175				
1,1,2-Trichloroethane	226	15	295	0	77	70	132				
1,1-Dichloroethane	235	15	295	0	80	70	133				
1,1-Dichloroethene	228	15	295	0	77	70	144				
1,1-Dichloropropene	231	15	295	0	78	70	132				
1,2,3-Trichlorobenzene	144	29	295	0	49	50	131				S
1,2,3-Trichloropropane	402	15	295	0	136	62	163				
1,2,4-Trichlorobenzene	137	29	295	0	47	48	131				S
1,2,4-Trimethylbenzene	300	15	295	6.37	99	62	155				
1,2-Dibromo-3-chloropropane	286	29	295	0	97	70	138				
1,2-Dibromoethane	211	15	295	0	72	70	130				
1,2-Dichlorobenzene	282	15	295	0	96	70	132				
1,2-Dichloroethane	234	15	295	0	79	68	135				
1,2-Dichloropropene	222	15	295	0	75	70	130				
1,3,5-Trimethylbenzene	323	15	295	0	109	61	159				
1,3-Dichlorobenzene	271	15	295	0	92	70	139				
1,3-Dichloropropane	265	15	295	0	90	70	130				
1,4-Dichlorobenzene	258	15	295	0	87	70	131				
2,2-Dichloropropane	220	15	295	0	75	70	132				
2-Chlorotoluene	353	15	295	0	120	67	143				
4-Chlorotoluene	313	15	295	0	106	70	137				
Benzene	253	15	295	0	86	70	130				
Bromobenzene	354	15	295	0	120	67	144				
Bromochloromethane	234	15	295	0	79	70	130				
Bromodichloromethane	238	15	295	0	81	68	138				

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	210	15	295	0	71	59	137				
Bromomethane	246	29	295	0	83	44	145				
Carbon tetrachloride	201	15	295	0	68	69	140				S
Chlorobenzene	256	15	295	0	87	70	130				
Chloroethane	368	29	295	0	125	49	161				
Chloroform	244	15	295	0	83	70	130				
Chloromethane	190	29	295	0	65	52	151				
cis-1,2-Dichloroethene	250	15	295	11.2	81	70	130				
cis-1,3-Dichloropropene	221	15	295	0	75	55	139				
Dibromochloromethane	243	15	295	0	82	68	141				
Dibromomethane	235	15	295	0	80	70	130				
Dichlorodifluoromethane	166	29	295	0	56	43	161				S
Ethylbenzene	224	15	295	51.2	59	70	130				
Hexachlorobutadiene	185	29	295	0	63	56	130				
Isopropylbenzene	340	15	295	12.3	111	57	168				
Methyl tert-butyl ether	221	15	295	0	75	70	135				
Methylene chloride	196	29	295	0	67	68	132				S
n-Butylbenzene	181	15	295	0	61	67	141				S
n-Propylbenzene	282	15	295	8.31	93	70	134				
Naphthalene	141	29	295	11.7	44	41	142				
p-Isopropyltoluene	251	15	295	0	85	70	136				
sec-Butylbenzene	239	15	295	0	81	69	147				
Styrene	219	15	295	0	74	70	130				
tert-Butylbenzene	338	15	295	0	115	70	136				
Tetrachloroethene	724	15	295	4520	0	63	145				S
Toluene	511	15	295	101	139	70	130				S
trans-1,2-Dichloroethene	239	15	295	4.66	79	70	130				

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

Page 14 of 45

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710024-006AMS		Samp Type: MS	Test Code: 8260S		Units: µg/Kg-dry	Prep Date:		RunNo: 11382				
Client ID: MW-03D (18-20)_100		Batch ID: R11382	Method: SW8260B			Analysis Date: 10/8/2007		SeqNo: 310165				
Instrument: MS03_10		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte	QC Sample Result		PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	219		15	295	0	74	53	135				ES
Trichloroethene	9230		15	295	8560	229	70	130				
Trichlorofluoromethane	392		29	295	0	133	59	156				
Vinyl chloride	246		29	295	0	83	57	146				
Xylenes (total)	678		29	884	25.2	74	70	130				
Surr: 1,2-Dichloroethane-d4	303		0.59	295	0	103	71	128				
Surr: 4-Bromofluorobenzene	242		0.59	295	0	82	59	125				
Surr: Dibromofluoromethane	317		0.59	295	0	108	40	156				
Surr: Toluene-d8	291		0.59	295	0	99	75	125				

**Qualifiers:** B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL  
E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit  
J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710024-006AMSD		Samp Type: MSD	Test Code: 8260S	Units: µg/Kg-dry	Prep Date:		RunNo: 11382				
Client ID: MW-03D (18-20)_100		Batch ID: R11382	Method: SW8260B		Analysis Date: 10/8/2007		SeqNo: 310166				
Instrument: MS03_10		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	279	15	295	0	95	70	130	279	0	20	
1,1,1-Trichloroethane	254	15	295	0	86	70	142	254	0	20	
1,1,2,2-Tetrachloroethane	431	15	295	0	146	63	175	431	0	24	
1,1,2-Trichloroethane	259	15	295	0	88	70	132	259	0	20	
1,1-Dichloroethane	256	15	295	0	87	70	133	256	0	20	
1,1-Dichloroethene	419	15	295	0	142	70	144	419	0	20	
1,1-Dichloropropene	252	15	295	0	85	70	132	252	0	20	
1,2,3-Trichlorobenzene	126	29	295	0	43	50	131	126	0	21	S
1,2,3-Trichloropropane	482	15	295	0	164	62	163	482	0	27	S
1,2,4-Trichlorobenzene	121	29	295	0	41	48	131	121	0	24	S
1,2,4-Trimethylbenzene	314	15	295	6.37	104	62	155	314	0	20	
1,2-Dibromo-3-chloropropane	339	29	295	0	115	70	138	339	0	24	
1,2-Dibromoethane	240	15	295	0	81	70	130	240	0	20	
1,2-Dichlorobenzene	302	15	295	0	102	70	132	302	0	20	
1,2-Dichloroethane	261	15	295	0	88	68	135	261	0	20	
1,2-Dichloropropene	248	15	295	0	84	70	130	248	0	20	
1,3,5-Trimethylbenzene	332	15	295	0	112	61	159	332	0	20	
1,3-Dichlorobenzene	288	15	295	0	98	70	139	288	0	20	
1,3-Dichloropropane	296	15	295	0	100	70	130	296	0	20	
1,4-Dichlorobenzene	268	15	295	0	91	70	131	268	0	24	
2,2-Dichloropropane	232	15	295	0	79	70	132	232	0	20	
2-Chlorotoluene	367	15	295	0	125	67	143	367	0	20	
4-Chlorotoluene	329	15	295	0	112	70	137	329	0	20	
Benzene	278	15	295	0	94	70	130	278	0	20	
Bromobenzene	376	15	295	0	128	67	144	376	0	20	
Bromochloromethane	264	15	295	0	90	70	130	264	0	20	
Bromodichloromethane	268	15	295	0	91	68	138	268	0	20	

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL  
E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit  
J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710024-006AMSD		Samp Type: MSD	TestCode: 8260S		Units: µg/Kg-dry	Prep Date:		RunNo: 11382			
Client ID: MW-03D (18-20)_100		Batch ID: R11382	Method: SW8260B			Analysis Date: 10/8/2007		SeqNo: 310166			
Instrument: MS03_10		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	235	15	295	0	80	59	137	235	0	20	
Bromomethane	382	29	295	0	130	44	145	382	0	21	
Carbon tetrachloride	240	15	295	0	82	69	140	240	0	20	
Chlorobenzene	274	15	295	0	93	70	130	274	0	20	
Chloroethane	284	29	295	0	96	49	161	284	0	20	
Chloroform	272	15	295	0	92	70	130	272	0	20	
Chloromethane	204	29	295	0	69	52	151	204	0	20	
cis-1,2-Dichloroethene	276	15	295	11.2	90	70	130	276	0	20	
cis-1,3-Dichloropropene	248	15	295	0	84	55	139	248	0	20	
Dibromochloromethane	270	15	295	0	92	68	141	270	0	20	
Dibromomethane	268	15	295	0	91	70	130	268	0	20	
Dichlorodifluoromethane	220	29	295	0	75	43	161	220	0	20	
Ethylbenzene	249	15	295	51.2	67	70	130	249	0	20	S
Hexachlorobutadiene	222	29	295	12.3	75	56	130	222	0	42	
Isopropylbenzene	367	15	295	0	120	57	168	367	0	20	
Methyl tert-butyl ether	251	15	295	0	85	70	135	251	0	20	
Methylene chloride	222	29	295	0	75	68	132	222	0	20	
n-Butylbenzene	191	15	295	0	65	67	141	191	0	30	S
n-Propylbenzene	306	15	295	8.31	101	70	134	306	0	20	
Naphthalene	144	29	295	11.7	45	41	142	144	0	28	
p-Isopropyltoluene	270	15	295	0	91	70	136	270	0	25	
sec-Butylbenzene	262	15	295	0	89	69	147	262	0	23	
Styrene	232	15	295	0	79	70	130	232	0	20	
tert-Butylbenzene	354	15	295	0	120	70	136	354	0	20	
Tetrachloroethene	1150	15	295	4520	0	63	145	1150	0	21	S
Toluene	605	15	295	101	171	70	130	605	0	20	S
trans-1,2-Dichloroethene	258	15	295	4.66	86	70	130	258	0	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL  
E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit  
J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710024-006AMSD		SampType: MSD	TestCode: 8260S	Units: µg/Kg-dry	Prep Date:	RunNo: 11382						
Client ID: MW-03D (18-20)_100		Batch ID: R11382	Method: SW8260B		Analysis Date: 10/8/2007	SeqNo: 310166						
Instrument: MS03_10		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte	QC Sample Result		PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	trans-1,3-Dichloropropene		254	15	295	0	86	53	135	254	0	20
	Trichloroethene		8750	15	295	8560	64	70	130	8750	0	20 ES
	Trichlorofluoromethane		375	29	295	0	127	59	156	375	0	20
	Vinyl chloride		332	29	295	0	113	57	146	332	0	24
	Xylenes (total)		713	29	884	25.2	78	70	130	713	0	20
	Surr: 1,2-Dichloroethane-d4		322	0.59	295	0	109	71	128	0	0	0
	Surr: 4-Bromofluorobenzene		242	0.59	295	0	82	59	125	0	0	0
	Surr: Dibromofluoromethane		324	0.59	295	0	110	40	156	0	0	0
	Surr: Toluene-d8		289	0.59	295	0	98	75	125	0	0	0

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

## ANALYTICAL QC SUMMARY REPORT

**5000 Brittonfield Parkway, Suite 200**

East Syracuse, NY 13057 (315) 437-0200

Project: BMS-Krutulis

11344  
309446

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	42.5	2.5	50	0	85	79	127				
1,1,1-Trichloroethane	43.0	2.5	50	0	86	78	132				
1,1,2,2-Tetrachloroethane	47.9	2.5	50	0	96	69	138				
1,1,2-Trichloroethane	42.2	2.5	50	0	84	80	122				
1,1-Dichloroethane	41.8	2.5	50	0	84	76	124				
1,1-Dichloroethene	39.0	2.5	50	0	78	76	135				
1,1-Dichloropropene	41.5	2.5	50	0	83	80	124				
1,2,3-Trichlorobenzene	42.0	5.0	50	0	84	73	127				
1,2,3-Trichloropropane	45.1	2.5	50	0	90	70	135				
1,2,4-Trichlorobenzene	41.9	5.0	50	0	84	71	127				
1,2,4-Trimethylbenzene	48.5	2.5	50	0	97	72	128				
1,2-Dibromo-3-chloropropane	39.1	5.0	50	0	78	69	132				
1,2-Dibromoethane	41.2	2.5	50	0	82	80	124				
1,2-Dichlorobenzene	44.2	2.5	50	0	88	80	120				
1,2-Dichloroethane	41.8	2.5	50	0	84	73	127				
1,2-Dichloropropane	41.0	2.5	50	0	82	80	125				
1,3,5-Trimethylbenzene	49.4	2.5	50	0	99	76	127				
1,3-Dichlorobenzene	44.3	2.5	50	0	89	80	120				
1,3-Dichloropropane	43.1	2.5	50	0	86	80	120				
1,4-Dichlorobenzene	42.9	2.5	50	0	86	80	120				
2,2-Dichloropropane	41.6	2.5	50	0	83	68	134				
2-Chlorotoluene	47.9	2.5	50	0	96	76	125				
4-Chlorotoluene	47.5	2.5	50	0	95	77	122				
Benzene	45.6	2.5	50	0	91	80	121				
Bromobenzene	45.0	2.5	50	0	90	75	126				
Bromochloromethane	41.2	2.5	50	0	82	79	120				
Bromodichloromethane	42.0	2.5	50	0	84	80	129				

J Analytic detected below the PQL

Spike Recovery outside accepted recovery limits

Page 1 of 45

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

**Method:** SW8260B

Work Order: 0710024

Project: BMS-Krutulis

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11344		SampType: LCS		TestCode: 8260S		Units: µg/Kg		Prep Date:		RunNo: 11344	
Client ID: ZZZZZ		Batch ID: R11344		Method: SW8260B				Analysis Date: 10/5/2007		SeqNo: 309446	
Instrument: MS03_10		ColumnID: Rtx-VMS				Rtx-VMS, 1.0 df					
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	34.9	2.5	50	0	70	70	138				
Bromomethane	45.9	5.0	50	0	92	56	147				
Carbon tetrachloride	37.6	2.5	50	0	75	74	138				
Chlorobenzene	44.9	2.5	50	0	90	80	120				
Chloroethane	55.2	5.0	50	0	110	63	142				
Chloroform	43.8	2.5	50	0	88	77	121				
Chloromethane	28.1	5.0	50	0	56	62	141				
cis-1,2-Dichloroethene	42.4	2.5	50	0	85	79	120				
cis-1,3-Dichloropropene	42.3	2.5	50	0	85	80	125				
Dibromochloromethane	38.9	2.5	50	0	78	76	135				
Dibromomethane	42.0	2.5	50	0	84	79	120				
Dichlorodifluoromethane	23.4	5.0	50	0	47	55	142				
Ethylbenzene	42.4	2.5	50	0	85	80	121				
Hexachlorobutadiene	36.2	5.0	50	0	72	70	128				
Isopropylbenzene	45.2	2.5	50	0	90	76	131				
Methyl tert-butyl ether	42.9	2.5	50	0	86	76	126				
Methylene chloride	35.2	5.0	50	0	70	75	124				
n-Butylbenzene	39.7	2.5	50	0	79	65	133				
n-Propylbenzene	46.3	2.5	50	0	93	74	129				
Naphthalene	39.0	5.0	50	0	78	65	143				
p-Isopropyltoluene	47.4	2.5	50	0	95	74	127				
sec-Butylbenzene	42.4	2.5	50	0	85	75	128				
Styrene	44.8	2.5	50	0	90	78	122				
tert-Butylbenzene	47.9	2.5	50	0	96	77	127				
Tetrachloroethene	39.8	2.5	50	0	80	74	125				
Toluene	41.0	2.5	50	0	82	80	121				
trans-1,2-Dichloroethene	40.7	2.5	50	0	81	77	123				

Qualifiers:	B	E	J
Analyte detected in the associated Method Blank			
Analyte detected below the instrument calibration range			
RPD exceeds accepted precision limit			
Recovery outside accepted recovery limits			

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11344		SampType: LCS	TestCode: 8260S	Units: µg/Kg	Prep Date:		RunNo: 11344					
Client ID: ZZZZZ		Batch ID: R11344	Method: SW8260B		Analysis Date: 10/5/2007		SeqNo: 309446					
Instrument: MS03_10		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene		42.3	2.5	50	0	85	78	124				B
Trichloroethene		41.5	2.5	50	0	83	80	120				
Trichlorofluoromethane		55.0	5.0	50	0	110	67	136				
Vinyl chloride		36.7	5.0	50	0	73	68	135				
Xylenes (total)		132	5.0	150	0	88	76	124				
Surr: 1,2-Dichloroethane-d4		53.3	0.10	50	0	107	71	128				
Surr: 4-Bromofluorobenzene		49.2	0.10	50	0	98	59	125				
Surr: Dibromofluoromethane		55.1	0.10	50	0	110	40	156				
Surr: Toluene-d8		53.4	0.10	50	0	107	75	125				

## Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Practical Quantitation Limit (PQL)

U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range

R RPD exceeds accepted precision limit

J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

## Date:

18-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11344	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11344
Client ID: ZZZZZ	Batch ID: R11344	Method: SW8260B		Analysis Date: 10/5/2007	SeqNo: 309447
Instrument: MS03_10	ColumnID: Rbx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
1,1,1,2-Tetrachloroethane	ND	2.5			
1,1,1-Trichloroethane	ND	2.5			
1,1,2,2-Tetrachloroethane	ND	2.5			
1,1,2-Trichloroethane	ND	2.5			
1,1-Dichloroethane	ND	2.5			
1,1-Dichloroethene	ND	2.5			
1,1-Dichloropropene	ND	2.5			
1,2,3-Trichlorobenzene	ND	5.0			
1,2,3-Trichloropropane	ND	2.5			
1,2,4-Trichlorobenzene	ND	5.0			
1,2,4-Trimethylbenzene	ND	2.5			
1,2-Dibromo-3-chloropropane	ND	5.0			
1,2-Dibromoethane	ND	2.5			
1,2-Dichlorobenzene	ND	2.5			
1,2-Dichloroethane	ND	2.5			
1,2-Dichloropropane	ND	2.5			
1,3,5-Trimethylbenzene	ND	2.5			
1,3-Dichlorobenzene	ND	2.5			
1,3-Dichloropropane	ND	2.5			
1,4-Dichlorobenzene	ND	2.5			
2,2-Dichloropropane	ND	2.5			
2-Chlorotoluene	ND	2.5			
4-Chlorotoluene	ND	2.5			
Benzene	ND	2.5			
Bromobenzene	ND	2.5			
Bromochloromethane	ND	2.5			
Bromodichloromethane	ND	2.5			

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11344	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11344
Client ID: ZZZZZ	Batch ID: R11344	Method: SW8260B		Analysis Date: 10/5/2007	SeqNo: 309447
Instrument: MS03_10	ColumnID: Rtx-VMS				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Bromoform	ND	2.5			
Bromomethane	ND	5.0			
Carbon tetrachloride	ND	2.5			
Chlorobenzene	ND	2.5			
Chloroethane	ND	5.0			
Chloroform	ND	2.5			
Chloromethane	ND	5.0			
cis-1,2-Dichloroethene	ND	2.5			
cis-1,3-Dichloropropene	ND	2.5			
Dibromochloromethane	ND	2.5			
Dibromomethane	ND	2.5			
Dichlorodifluoromethane	ND	5.0			
Ethylbenzene	ND	2.5			
Hexachlorobutadiene	ND	5.0			
Isopropylbenzene	ND	2.5			
Methyl tert-butyl ether	ND	2.5			
Methylene chloride	ND	5.0			
n-Butylbenzene	ND	2.5			
n-Propylbenzene	ND	2.5			
Naphthalene	ND	5.0			
p-Isopropyltoluene	ND	2.5			
sec-Butylbenzene	ND	2.5			
Styrene	ND	2.5			
tert-Butylbenzene	ND	2.5			
Tetrachloroethene	ND	2.5			
Toluene	ND	2.5			
trans-1,2-Dichloroethene	ND	2.5			

**Qualifiers:** B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL  
E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit  
J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11344	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11344
Client ID: ZZZZZ	Batch ID: R11344	Method: SW8260B		Analysis Date: 10/5/2007	SeqNo: 309447
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
trans-1,3-Dichloropropene	ND	2.5			
Trichloroethene	3.75	2.5			
Trichlorofluoromethane	ND	5.0			
Vinyl chloride	ND	5.0			
Xylenes (total)	ND	5.0			
Surr: 1,2-Dichloroethane-d4	48.4	0.10	50	0	71 128
Surr: 4-Bromofluorobenzene	49.4	0.10	50	0	59 125
Surr: Dibromofluoromethane	49.7	0.10	50	0	40 156
Surr: Toluene-d8	52.3	0.10	50	0	75 125
			%REC	LowLimit	HighLimit
				RPD Ref Val	%RPD
					RPDLimit
					Qual

## Qualifiers:

B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL  
 E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit  
 J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

## Date:

18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11382	Sample Type: LCS	Test Code: 8260S	Units: µg/Kg	Prep Date:	Run No: 11382
Client ID: ZZZZZ	Batch ID: R11382	Method: SW8260B		Analysis Date: 10/8/2007	Seq No: 309956
Instrument: MS03_10	Column ID: Rtx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
1,1,1,2-Tetrachloroethane	48.2	2.5	50	0	
1,1,1-Trichloroethane	49.3	2.5	50	0	
1,1,2,2-Tetrachloroethane	52.7	2.5	50	0	
1,1,2-Trichloroethane	47.7	2.5	50	0	
1,1-Dichloroethane	47.7	2.5	50	0	
1,1-Dichloroethene	45.6	2.5	50	0	
1,1-Dichloropropene	48.5	2.5	50	0	
1,2,3-Trichlorobenzene	51.5	5.0	50	0	
1,2,3-Trichloropropane	49.0	2.5	50	0	
1,2,4-Trichlorobenzene	49.8	5.0	50	0	
1,2,4-Trimethylbenzene	54.7	2.5	50	0	
1,2-Dibromo-3-chloropropane	44.9	5.0	50	0	
1,2-Dibromoethane	46.2	2.5	50	0	
1,2-Dichlorobenzene	49.9	2.5	50	0	
1,2-Dichloroethane	47.2	2.5	50	0	
1,2-Dichloropropane	46.4	2.5	50	0	
1,3,5-Trimethylbenzene	55.9	2.5	50	0	
1,3-Dichlorobenzene	50.6	2.5	50	0	
1,3-Dichloropropane	47.6	2.5	50	0	
1,4-Dichlorobenzene	49.0	2.5	50	0	
2,2-Dichloropropane	45.3	2.5	50	0	
2-Chlorotoluene	53.4	2.5	50	0	
4-Chlorotoluene	53.1	2.5	50	0	
Benzene	52.3	2.5	50	0	
Bromobenzene	49.7	2.5	50	0	
Bromochloromethane	47.3	2.5	50	0	
Bromodichloromethane	48.4	2.5	50	0	

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11382	SampType: LCS	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11382
Client ID: ZZZZZ	Batch ID: R11382	Method: SW8260B		Analysis Date: 10/8/2007	SeqNo: 309956
Instrument: MS03_10	ColumnID: Rtx-VMS				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Bromoform	39.2	2.5	50	0	
Bromomethane	37.8	5.0	50	0	
Carbon tetrachloride	43.8	2.5	50	0	
Chlorobenzene	51.2	2.5	50	0	
Chloroethane	63.5	5.0	50	0	
Chloroform	49.8	2.5	50	0	
Chloromethane	30.7	5.0	50	0	
cis-1,2-Dichloroethene	48.1	2.5	50	0	
cis-1,3-Dichloropropene	46.2	2.5	50	0	
Dibromochloromethane	42.7	2.5	50	0	
Dibromomethane	46.9	2.5	50	0	
Dichlorodifluoromethane	25.8	5.0	50	0	
Ethylbenzene	49.8	2.5	50	0	
Hexachlorobutadiene	45.5	5.0	50	0	
Isopropylbenzene	51.2	2.5	50	0	
Methyl tert-butyl ether	43.8	2.5	50	0	
Methylene chloride	40.0	5.0	50	0	
n-Butylbenzene	46.8	2.5	50	0	
n-Propylbenzene	53.6	2.5	50	0	
Naphthalene	45.7	5.0	50	0	
p-Isopropyltoluene	54.5	2.5	50	0	
sec-Butylbenzene	49.7	2.5	50	0	
Styrene	51.7	2.5	50	0	
tert-Butylbenzene	54.0	2.5	50	0	
Tetrachloroethene	46.1	2.5	50	0	
Toluene	46.5	2.5	50	0	
trans-1,2-Dichloroethene	47.0	2.5	50	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11382		SampType: LCS	TestCode: 8260S	Units: µg/Kg	Prep Date:		RunNo: 11382					
Client ID: ZZZZZ		Batch ID: R11382	Method: SW8260B		Analysis Date: 10/8/2007		SeqNo: 309956					
Instrument: MS03_10		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene		46.8	2.5	50	0	94	78	124				
Trichloroethene		48.6	2.5	50	0	97	80	120				
Trichlorofluoromethane		67.1	5.0	50	0	134	67	136				
Vinyl chloride		39.4	5.0	50	0	79	68	135				
Xylenes (total)		153	5.0	150	0	102	76	124				
Surr: 1,2-Dichloroethane-d4		51.9	0.10	50	0	104	71	128				
Surr: 4-Bromofluorobenzene		49.8	0.10	50	0	100	59	125				
Surr: Dibromofluoromethane		54.7	0.10	50	0	109	40	156				
Surr: Toluene-d8		53.4	0.10	50	0	107	75	125				

**Qualifiers:** B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11382	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11382
Client ID: ZZZZZ	Batch ID: R11382	Method: SW8260B		Analysis Date: 10/8/2007	SeqNo: 309959
Instrument: MS03_10	ColumnID: Rtx-VMS				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
1,1,1,2-Tetrachloroethane	ND	2.5			
1,1,1-Trichloroethane	ND	2.5			
1,1,2,2-Tetrachloroethane	ND	2.5			
1,1,2-Trichloroethane	ND	2.5			
1,1-Dichloroethane	ND	2.5			
1,1-Dichloroethene	ND	2.5			
1,1-Dichloropropene	ND	2.5			
1,2,3-Trichlorobenzene	ND	5.0			
1,2,3-Trichloropropane	ND	2.5			
1,2,4-Trichlorobenzene	ND	5.0			
1,2,4-Trimethylbenzene	ND	2.5			
1,2-Dibromo-3-chloropropane	ND	5.0			
1,2-Dibromoethane	ND	2.5			
1,2-Dichlorobenzene	ND	2.5			
1,2-Dichloroethane	ND	2.5			
1,2-Dichloropropane	ND	2.5			
1,3,5-Trimethylbenzene	ND	2.5			
1,3-Dichlorobenzene	ND	2.5			
1,3-Dichloropropane	ND	2.5			
1,4-Dichlorobenzene	ND	2.5			
2,2-Dichloropropane	ND	2.5			
2-Chlorotoluene	ND	2.5			
4-Chlorotoluene	ND	2.5			
Benzene	ND	2.5			
Bromobenzene	ND	2.5			
Bromochloromethane	ND	2.5			
Bromodichloromethane	ND	2.5			

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

**E** Value exceeds the instrument calibration range  
**R** RPD exceeds accepted precision limit  
**J** Analyte detected below the PQL  
**S** Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11382	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11382
Client ID: ZZZZZ	Batch ID: R11382	Method: SW8260B		Analysis Date: 10/8/2007	SeqNo: 309959
Instrument: MS03_10	ColumnID: Rtx-VMS				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Bromoform	ND	2.5			
Bromomethane	ND	5.0			
Carbon tetrachloride	ND	2.5			
Chlorobenzene	ND	2.5			
Chloroethane	ND	5.0			
Chloroform	ND	2.5			
Chloromethane	ND	5.0			
cis-1,2-Dichloroethene	ND	2.5			
cis-1,3-Dichloropropene	ND	2.5			
Dibromochloromethane	ND	2.5			
Dibromomethane	ND	2.5			
Dichlorodifluoromethane	ND	5.0			
Ethylbenzene	ND	2.5			
Hexachlorobutadiene	ND	5.0			
Isopropylbenzene	ND	2.5			
Methyl tert-butyl ether	ND	2.5			
Methylene chloride	ND	5.0			
n-Butylbenzene	ND	2.5			
n-Propylbenzene	ND	2.5			
Naphthalene	ND	5.0			
p-Isopropyltoluene	ND	2.5			
sec-Butylbenzene	ND	2.5			
Styrene	ND	2.5			
tert-Butylbenzene	ND	2.5			
Tetrachloroethene	ND	2.5			
Toluene	ND	2.5			
trans-1,2-Dichloroethene	ND	2.5			

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
U Not Detected at the MDC or RL

Date: 18-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11382	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11382
Client ID: ZZZZZ	Batch ID: R11382	Method: SW8260B		Analysis Date: 10/8/2007	SeqNo: 309959
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
trans-1,3-Dichloropropene	ND	2.5			
Trichloroethene	ND	2.5			
Trichlorofluoromethane	ND	5.0			
Vinyl chloride	ND	5.0			
Xylenes (total)	ND	5.0			
Surr: 1,2-Dichloroethane-d4	48.3	0.10	50	0	71 128
Surr: 4-Bromofluorobenzene	49.4	0.10	50	0	59 125
Surr: Dibromofluoromethane	49.5	0.10	50	0	40 156
Surr: Toluene-d8	52.2	0.10	50	0	104 75 125

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
U Not Detected at the MDC or RL

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11395	SampType: LCS	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11395
Client ID: ZZZZZ	Batch ID: R11395	Method: SW8260B		Analysis Date: 10/9/2007	SeqNo: 310179
Instrument: MS03_10	ColumnID: Rtx-VMS				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
1,1,1,2-Tetrachloroethane	50.6	2.5	50	0	
1,1,1-Trichloroethane	47.7	2.5	50	0	
1,1,2,2-Tetrachloroethane	55.3	2.5	50	0	
1,1,2-Trichloroethane	49.1	2.5	50	0	
1,1-Dichloroethane	45.7	2.5	50	0	
1,1-Dichloroethene	43.3	2.5	50	0	
1,1-Dichloropropene	45.8	2.5	50	0	
1,2,3-Trichlorobenzene	47.5	5.0	50	0	
1,2,3-Trichloropropane	50.6	2.5	50	0	
1,2,4-Trichlorobenzene	46.4	5.0	50	0	
1,2,4-Trimethylbenzene	53.3	2.5	50	0	
1,2-Dibromo-3-chloropropane	45.5	5.0	50	0	
1,2-Dibromoethane	48.1	2.5	50	0	
1,2-Dichlorobenzene	51.0	2.5	50	0	
1,2-Dichloroethane	46.7	2.5	50	0	
1,2-Dichloropropane	46.2	2.5	50	0	
1,3,5-Trimethylbenzene	54.0	2.5	50	0	
1,3-Dichlorobenzene	50.3	2.5	50	0	
1,3-Dichloropropane	49.6	2.5	50	0	
1,4-Dichlorobenzene	48.3	2.5	50	0	
2,2-Dichloropropane	44.6	2.5	50	0	
2-Chlorotoluene	52.7	2.5	50	0	
4-Chlorotoluene	52.2	2.5	50	0	
Benzene	50.7	2.5	50	0	
Bromobenzene	52.4	2.5	50	0	
Bromochloromethane	49.7	2.5	50	0	
Bromodichloromethane	48.8	2.5	50	0	

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

**5000 Brittonfield Parkway, Suite 200**  
**East Syracuse, NY 13057 (315) 437-0200**

**Method:** SW8260B

**Work Order:** 0710024

Project: BMS-Krutulis

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11395		SampType: LCS		TestCode: 8260S		Units: µg/Kg		Prep Date:		RunNo: 11395		
Client ID: ZZZZZ		Batch ID: R11395		Method: SW8260B				Analysis Date: 10/9/2007		SeqNo: 310179		
Instrument: MS03_10		ColumnID: Rtx-VMS		Rtx-VMS, 1.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual
Bromoform	42.2	2.5	50	0	84	70	138					
Bromomethane	77.5	5.0	50	0	155	56	147					S
Carbon tetrachloride	45.5	2.5	50	0	91	74	138					
Chlorobenzene	52.0	2.5	50	0	104	80	120					
Chloroethane	53.4	5.0	50	0	107	63	142					
Chloroform	48.8	2.5	50	0	98	77	121					
Chloromethane	29.2	5.0	50	0	58	62	141					S
cis-1,2-Dichloroethene	48.2	2.5	50	0	96	79	120					
cis-1,3-Dichloropropene	47.3	2.5	50	0	95	80	125					
Dibromochloromethane	45.6	2.5	50	0	91	76	135					
Dibromomethane	48.8	2.5	50	0	98	79	120					
Dichlorodifluoromethane	26.8	5.0	50	0	54	55	142					S
Ethylbenzene	48.7	2.5	50	0	97	80	121					
Hexachlorobutadiene	42.3	5.0	50	0	85	70	128					
Isopropylbenzene	51.5	2.5	50	0	103	76	131					
Methyl tert-butyl ether	48.3	2.5	50	0	97	76	126					
Methylene chloride	39.6	5.0	50	0	79	75	124					
n-Butylbenzene	43.8	2.5	50	0	88	65	133					
n-Propylbenzene	51.6	2.5	50	0	103	74	129					
Naphthalene	46.3	5.0	50	0	93	65	143					
p-Isopropyltoluene	53.4	2.5	50	0	107	74	127					
sec-Butylbenzene	48.4	2.5	50	0	97	75	128					
Styrene	51.4	2.5	50	0	103	78	122					
tert-Butylbenzene	54.5	2.5	50	0	109	77	127					
Tetrachloroethene	47.1	2.5	50	0	94	74	125					
Toluene	45.9	2.5	50	0	92	80	121					
trans-1,2-Dichloroethene	45.0	2.5	50	0	90	77	123					

Qualifiers:	B	E	J
Analyte detected in the associated Method Blank			
Analyte detected below the instrument calibration range			
Value exceeds the instrument calibration range			
RPD exceeds accepted precision limit			
Recovery outside accepted recovery limits			

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11395		SampType: LCS	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11395					
Client ID: ZZZZZ	Batch ID: R11395	Method: SW8260B			Analysis Date: 10/9/2007	SeqNo: 310179					
Instrument: MS03_10	ColumnID: Rtx-VMS		Rtx-VMS, 1.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	47.7	2.5	50	0	95	78	124				
Trichloroethene	47.4	2.5	50	0	95	80	120				
Trichlorofluoromethane	64.4	5.0	50	0	129	67	136				
Vinyl chloride	42.4	5.0	50	0	85	68	135				
Xylenes (total)	150	5.0	150	0	100	76	124				
Surr: 1,2-Dichloroethane-d4	52.9	0.10	50	0	106	71	128				
Surr: 4-Bromofluorobenzene	50.0	0.10	50	0	100	59	125				
Surr: Dibromofluoromethane	56.0	0.10	50	0	112	40	156				
Surr: Toluene-d8	53.2	0.10	50	0	106	75	125				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL  
 E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit  
 J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11395	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11395
Client ID: ZZZZZ	Batch ID: R11395	Method: SW8260B		Analysis Date: 10/9/2007	SeqNo: 310180
Instrument: MS03_10	ColumnID: Rtx-VMS				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
1,1,1,2-Tetrachloroethane	ND	2.5			
1,1,1-Trichloroethane	ND	2.5			
1,1,2,2-Tetrachloroethane	ND	2.5			
1,1,2-Trichloroethane	ND	2.5			
1,1-Dichloroethane	ND	2.5			
1,1-Dichloroethene	ND	2.5			
1,1-Dichloropropene	ND	2.5			
1,2,3-Trichlorobenzene	ND	5.0			
1,2,3-Trichloropropane	ND	2.5			
1,2,4-Trichlorobenzene	ND	5.0			
1,2,4-Trimethylbenzene	ND	2.5			
1,2-Dibromo-3-chloropropane	ND	5.0			
1,2-Dibromoethane	ND	2.5			
1,2-Dichlorobenzene	ND	2.5			
1,2-Dichloroethane	ND	2.5			
1,2-Dichloropropane	ND	2.5			
1,3,5-Trimethylbenzene	ND	2.5			
1,3-Dichlorobenzene	ND	2.5			
1,3-Dichloropropane	ND	2.5			
1,4-Dichlorobenzene	ND	2.5			
2,2-Dichloropropane	ND	2.5			
2-Chlorotoluene	ND	2.5			
4-Chlorotoluene	ND	2.5			
Benzene	ND	2.5			
Bromobenzene	ND	2.5			
Bromochloromethane	ND	2.5			
Bromodichloromethane	ND	2.5			

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11395	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11395
Client ID: ZZZZZ	Batch ID: R11395	Method: SW8260B		Analysis Date: 10/9/2007	SeqNo: 310180
Instrument: MS03_10	ColumnID: Rtx-VMS		Rtx-VMS, 1.0 df		
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Bromoform	ND	2.5			
Bromomethane	ND	5.0			
Carbon tetrachloride	ND	2.5			
Chlorobenzene	ND	2.5			
Chloroethane	ND	5.0			
Chloroform	ND	2.5			
Chloromethane	ND	5.0			
cis-1,2-Dichloroethene	ND	2.5			
cis-1,3-Dichloropropene	ND	2.5			
Dibromochloromethane	ND	2.5			
Dibromomethane	ND	2.5			
Dichlorodifluoromethane	ND	5.0			
Ethylbenzene	ND	2.5			
Hexachlorobutadiene	ND	5.0			
Isopropylbenzene	ND	2.5			
Methyl tert-butyl ether	ND	2.5			
Methylene chloride	ND	5.0			
n-Butylbenzene	ND	2.5			
n-Propylbenzene	ND	2.5			
Naphthalene	ND	5.0			
p-Isopropyltoluene	ND	2.5			
sec-Butylbenzene	ND	2.5			
Styrene	ND	2.5			
tert-Butylbenzene	ND	2.5			
Tetrachloroethene	ND	2.5			
Toluene	ND	2.5			
trans-1,2-Dichloroethene	ND	2.5			

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11395	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11395
Client ID: ZZZZZ	Batch ID: R11395	Method: SW8260B		Analysis Date: 10/9/2007	SeqNo: 310180
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
trans-1,3-Dichloropropene	ND	2.5			
Trichloroethene	ND	2.5			
Trichlorofluoromethane	ND	5.0			
Vinyl chloride	ND	5.0			
Xylenes (total)	ND	5.0			
Surr: 1,2-Dichloroethane-d4	48.7	0.10	50	0	71 128
Surr: 4-Bromofluorobenzene	54.2	0.10	50	0	59 125
Surr: Dibromofluoromethane	49.8	0.10	50	0	40 156
Surr: Toluene-d8	59.1	0.10	50	0	75 125
			%REC	LowLimit	HighLimit
				RPD Ref Val	%RPD
					RPDLimit
					Qual

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

Date: 18-Oct-07

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

**Method:** SW8260B

**Work Order:** 0710024

Project: BMS-Krutulis

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11405	SampType: LCS	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11405						
Client ID: ZZZZZ	Batch ID: R11405	Method: SW8260B		Analysis Date: 10/10/2007	SeqNo: 310503						
Instrument: MS03_10	ColumnID: Rtx-VMS		Rtx-VMS, 1.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	57.1	2.5	50	0	114	79	127				
1,1,1-Trichloroethane	55.1	2.5	50	0	110	78	132				
1,1,2,2-Tetrachloroethane	60.6	2.5	50	0	121	69	138				
1,1,2-Trichloroethane	54.1	2.5	50	0	108	80	122				
1,1-Dichloroethane	52.8	2.5	50	0	106	76	124				
1,1-Dichloroethene	46.6	2.5	50	0	93	76	135				
1,1-Dichloropropene	50.0	2.5	50	0	100	80	124				
1,2,3-Trichlorobenzene	58.1	5.0	50	0	116	73	127				
1,2,3-Trichloropropane	58.5	2.5	50	0	117	70	135				
1,2,4-Trichlorobenzene	53.8	5.0	50	0	108	71	127				
1,2,4-Trimethylbenzene	60.3	2.5	50	0	121	72	128				
1,2-Dibromo-3-chloropropane	56.7	5.0	50	0	113	69	132				
1,2-Dibromoethane	53.6	2.5	50	0	107	80	124				
1,2-Dichlorobenzene	57.4	2.5	50	0	115	80	120				
1,2-Dichloroethane	57.4	2.5	50	0	115	73	127				
1,2-Dichloropropane	52.4	2.5	50	0	105	80	125				
1,3,5-Trimethylbenzene	61.5	2.5	50	0	123	76	127				
1,3-Dichlorobenzene	55.2	2.5	50	0	110	80	120				
1,3-Dichloropropane	55.7	2.5	50	0	111	80	120				
1,4-Dichlorobenzene	52.7	2.5	50	0	105	80	120				
2,2-Dichloropropane	50.9	2.5	50	0	102	68	134				
2-Chlorotoluene	59.7	2.5	50	0	119	76	125				
4-Chlorotoluene	58.0	2.5	50	0	116	77	122				
Benzene	55.4	2.5	50	0	111	80	121				
Bromobenzene	58.5	2.5	50	0	117	75	126				
Bromochloromethane	55.2	2.5	50	0	110	79	120				
Bromodichloromethane	56.0	2.5	50	0	112	80	129				

**Qualifiers:** B Analyte detected in the associated Method Blank

E Value exceeds the instrument calibration range

**NID** Not Detected at the Practical Quantitation Limit (PQL)

R RPD exceeds accepted precision limit

II Not Detected at the MDC or RL.

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11405	SampType: LCS	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11405
Client ID: ZZZZZ	Batch ID: R11405	Method: SW8260B		Analysis Date: 10/10/2007	SeqNo: 310503
Instrument: MS03_10	ColumnID: Rtx-VMS				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Bromoform	47.4	2.5	50	0	138
Bromomethane	51.4	5.0	50	0	147
Carbon tetrachloride	49.5	2.5	50	0	138
Chlorobenzene	54.9	2.5	50	0	120
Chloroethane	61.1	5.0	50	0	142
Chloroform	55.8	2.5	50	0	121
Chloromethane	34.8	5.0	50	0	141
cis-1,2-Dichloroethene	52.9	2.5	50	0	120
cis-1,3-Dichloropropene	53.7	2.5	50	0	125
Dibromochloromethane	51.6	2.5	50	0	135
Dibromomethane	54.8	2.5	50	0	120
Dichlorodifluoromethane	26.3	5.0	50	0	142
Ethylbenzene	52.6	2.5	50	0	121
Hexachlorobutadiene	51.2	5.0	50	0	128
Isopropylbenzene	57.7	2.5	50	0	131
Methyl tert-butyl ether	56.2	2.5	50	0	126
Methylene chloride	45.1	5.0	50	0	124
n-Butylbenzene	47.8	2.5	50	0	133
n-Propylbenzene	57.2	2.5	50	0	129
Naphthalene	57.0	5.0	50	0	143
p-Isopropyltoluene	59.0	2.5	50	0	127
sec-Butylbenzene	53.8	2.5	50	0	128
Styrene	55.2	2.5	50	0	122
tert-Butylbenzene	61.1	2.5	50	0	127
Tetrachloroethene	49.4	2.5	50	0	125
Toluene	48.9	2.5	50	0	121
trans-1,2-Dichloroethene	48.9	2.5	50	0	123

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL  
 E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit  
 J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11405	SampType: LCS	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11405						
Client ID: ZZZZZ	Batch ID: R11405	Method: SW8260B		Analysis Date: 10/10/2007	SeqNo: 310503						
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	54.3	2.5	50	0	109	78	124				
Trichloroethene	51.5	2.5	50	0	103	80	120				
Trichlorofluoromethane	61.0	5.0	50	0	122	67	136				
Vinyl chloride	42.3	5.0	50	0	85	68	135				
Xylenes (total)	160	5.0	150	0	106	76	124				
Surr: 1,2-Dichloroethane-d4	59.5	0.10	50	0	119	71	128				
Surr: 4-Bromofluorobenzene	50.4	0.10	50	0	101	59	125				
Surr: Dibromofluoromethane	57.7	0.10	50	0	115	40	156				
Surr: Toluene-d8	52.9	0.10	50	0	106	75	125				

### Qualifiers:

B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

### Date:

18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCSD-11405	SampType: LCSD	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11405
Client ID: ZZZZZ	Batch ID: R11405	Method: SW8260B		Analysis Date: 10/10/2007	SeqNo: 310504
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
1,1,1,2-Tetrachloroethane	51.7	2.5	50	0	
1,1,1-Trichloroethane	52.6	2.5	50	0	
1,1,2,2-Tetrachloroethane	55.1	2.5	50	0	
1,1,2-Trichloroethane	50.1	2.5	50	0	
1,1-Dichloroethane	49.6	2.5	50	0	
1,1-Dichloroethene	45.0	2.5	50	0	
1,1-Dichloropropene	50.0	2.5	50	0	
1,2,3-Trichlorobenzene	56.3	5.0	50	0	
1,2,3-Trichloropropane	52.5	2.5	50	0	
1,2,4-Trichlorobenzene	54.5	5.0	50	0	
1,2,4-Trimethylbenzene	55.8	2.5	50	0	
1,2-Dibromo-3-chloropropane	50.5	5.0	50	0	
1,2-Dibromoethane	49.5	2.5	50	0	
1,2-Dichlorobenzene	51.4	2.5	50	0	
1,2-Dichloroethane	52.6	2.5	50	0	
1,2-Dichloropropane	47.8	2.5	50	0	
1,3,5-Trimethylbenzene	56.9	2.5	50	0	
1,3-Dichlorobenzene	51.7	2.5	50	0	
1,3-Dichloropropane	50.1	2.5	50	0	
1,4-Dichlorobenzene	49.6	2.5	50	0	
2,2-Dichloropropane	50.4	2.5	50	0	
2-Chlorotoluene	54.6	2.5	50	0	
4-Chlorotoluene	54.4	2.5	50	0	
Benzene	52.1	2.5	50	0	
Bromobenzene	52.5	2.5	50	0	
Bromochloromethane	49.2	2.5	50	0	
Bromodichloromethane	51.4	2.5	50	0	
		%REC	LowLimit	HighLimit	RPD Ref Val
		103	79	127	57.1
		105	78	132	55.1
		110	69	138	60.6
		100	80	122	54.1
		99	76	124	52.8
		90	76	135	46.6
		100	80	124	50
		113	73	127	58.1
		105	70	135	58.5
		109	71	127	53.8
		112	72	128	60.3
		101	69	132	56.7
		99	80	124	53.6
		103	80	120	57.4
		105	73	127	57.4
		96	80	125	52.4
		114	76	127	61.5
		103	80	120	55.2
		100	80	120	55.7
		99	80	120	52.7
		101	68	134	50.9
		109	76	125	59.7
		109	77	122	58
		104	80	121	55.4
		105	75	126	58.5
		98	79	120	55.2
		103	80	129	56
				%RPD	RPDLimit
				10	20
				4.7	20
				9.5	24
				7.8	20
				6.3	20
				3.5	20
				0	20
				3.1	21
				11	27
				1.5	24
				7.7	20
				12	24
				7.8	20
				11	20
				8.8	20
				9.0	20
				7.7	20
				6.5	20
				10	20
				6.1	24
				1.0	20
				8.9	20
				6.4	20
				6.2	20
				11	20
				11	20
				8.7	20

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

## ANALYTICAL QC SUMMARY REPORT

5000 Brittonfield Parkway, Suite 200

**East Syracuse, NY 13057**      **(315) 437-0200**

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCSD-11405	Sample Type: LCSD
Client ID: ZZZZZ	Batch ID: R11405
Instrument: MS03 10	Column ID: Rtx-VMS

TestCode: 8260S  
Method: SW8260B  
Rtx-VMS, 1.0 df

Units:  $\mu\text{g/Kg}$ 

Pre	An
-----	----

Exp Date: \_\_\_\_\_  
Analysis Date: \_\_\_\_\_

10/10/2007

RunN	SeqN
------	------

lo:	11405
lo:	31050

[illegible]

Analyte	QC Sample Result		PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Bromoform	44.5		2.5	50	0	89	70	138	47.4	6.2	20	
Bromomethane	47.3		5.0	50	0	95	56	147	51.4	8.3	21	
Carbon tetrachloride	50.7		2.5	50	0	101	74	138	49.5	2.6	20	
Chlorobenzene	51.8		2.5	50	0	104	80	120	54.9	5.8	20	
Chloroethane	56.6		5.0	50	0	113	63	142	61.1	7.6	20	
Chloroform	52.0		2.5	50	0	104	77	121	55.8	7.1	20	
Chloromethane	31.0		5.0	50	0	62	62	141	34.8	12	20	
cis-1,2-Dichloroethene	49.4		2.5	50	0	99	79	120	52.9	6.9	20	
cis-1,3-Dichloropropene	50.0		2.5	50	0	100	80	125	53.7	7.2	20	
Dibromochloromethane	46.9		2.5	50	0	94	76	135	51.6	9.5	20	
Dibromomethane	50.8		2.5	50	0	102	79	120	54.8	7.6	20	
Dichlorodifluoromethane	26.0		5.0	50	0	52	55	142	26.3	1.3	20	S
Ethylbenzene	50.2		2.5	50	0	100	80	121	52.6	4.5	20	
Hexachlorobutadiene	50.4		5.0	50	0	101	70	128	51.2	1.6	42	
Isopropylbenzene	52.7		2.5	50	0	105	76	131	57.7	9.0	20	
Methyl tert-butyl ether	52.3		2.5	50	0	105	76	126	56.2	7.3	20	
Methylene chloride	40.2		5.0	50	0	80	75	124	45.1	11	20	
n-Butylbenzene	48.9		2.5	50	0	98	65	133	47.8	2.3	30	
n-Propylbenzene	54.3		2.5	50	0	109	74	129	57.2	5.3	20	
Naphthalene	51.3		5.0	50	0	103	65	143	57	11	28	
p-Isopropyltoluene	57.2		2.5	50	0	114	74	127	59	3.2	25	
sec-Butylbenzene	50.7		2.5	50	0	101	75	128	53.8	5.9	23	
Styrene	52.0		2.5	50	0	104	78	122	55.2	6.0	20	
tert-Butylbenzene	56.1		2.5	50	0	112	77	127	61.1	8.6	20	
Tetrachloroethene	49.8		2.5	50	0	100	74	125	49.4	0.9	21	
Toluene	47.0		2.5	50	0	94	80	121	48.9	4.1	20	
trans-1,2-Dichloroethene	46.7		2.5	50	0	93	77	123	48.9	4.6	20	

Qualifiers:	B	E	J
	Analyte detected in the associated Method Blank	Value exceeds the instrument calibration range	Analyte detected below the PQL
	Not Detected at the Practical Quantitation Limit (PQL)	RPD exceeds accepted precision limit	Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCSD-11405		SampType: LCSD		TestCode: 8260S		Units: µg/Kg		Prep Date:		RunNo: 11405		
Client ID: ZZZZZ		Batch ID: R11405		Method: SW8260B				Analysis Date: 10/10/2007		SeqNo: 310504		
Instrument: MS03_10		ColumnID: Rtx-VMS		Rtx-VMS, 1.0 df								
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene		51.7	2.5	50	0	103	78	124	54.3	5.0	20	
Trichloroethene		49.6	2.5	50	0	99	80	120	51.5	3.7	20	
Trichlorofluoromethane		58.5	5.0	50	0	117	67	136	61	4.2	20	
Vinyl chloride		41.3	5.0	50	0	83	68	135	42.3	2.2	24	
Xylenes (total)		154	5.0	150	0	103	76	124	160	3.7	20	
Surr: 1,2-Dichloroethane-d4		57.4	0.10	50	0	115	71	128	0		0	
Surr: 4-Bromofluorobenzene		51.2	0.10	50	0	102	59	125	0		0	
Surr: Dibromofluoromethane		56.2	0.10	50	0	112	40	156	0		0	
Surr: Toluene-d8		53.8	0.10	50	0	108	75	125	0		0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11405	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11405
Client ID: ZZZZZ	Batch ID: R11405	Method: SW8260B		Analysis Date: 10/10/2007	SeqNo: 310505
Instrument: MS03_10	ColumnID: Rtx-VMS		Rtx-VMS, 1.0 df		
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
1,1,1,2-Tetrachloroethane	ND	2.5			
1,1,1-Trichloroethane	ND	2.5			
1,1,2,2-Tetrachloroethane	ND	2.5			
1,1,2-Trichloroethane	ND	2.5			
1,1-Dichloroethane	ND	2.5			
1,1-Dichloroethene	ND	2.5			
1,1-Dichloropropene	ND	2.5			
1,2,3-Trichlorobenzene	ND	5.0			
1,2,3-Trichloropropane	ND	2.5			
1,2,4-Trichlorobenzene	ND	5.0			
1,2,4-Trimethylbenzene	ND	2.5			
1,2-Dibromo-3-chloropropane	ND	5.0			
1,2-Dibromoethane	ND	2.5			
1,2-Dichlorobenzene	ND	2.5			
1,2-Dichloroethane	ND	2.5			
1,2-Dichloropropane	ND	2.5			
1,3,5-Trimethylbenzene	ND	2.5			
1,3-Dichlorobenzene	ND	2.5			
1,3-Dichloropropane	ND	2.5			
1,4-Dichlorobenzene	ND	2.5			
2,2-Dichloropropane	ND	2.5			
2-Chlorotoluene	ND	2.5			
4-Chlorotoluene	ND	2.5			
Benzene	ND	2.5			
Bromobenzene	ND	2.5			
Bromochloromethane	ND	2.5			
Bromodichloromethane	ND	2.5			

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11405		SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:		RunNo: 11405					
Client ID: ZZZZZ		Batch ID: R11405	Method: SW8260B		Analysis Date: 10/10/2007		SeqNo: 310505					
Instrument: MS03_10		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform		ND	2.5									
Bromomethane		ND	5.0									
Carbon tetrachloride		ND	2.5									
Chlorobenzene		ND	2.5									
Chloroethane		ND	5.0									
Chloroform		ND	2.5									
Chloromethane		ND	5.0									
cis-1,2-Dichloroethene		ND	2.5									
cis-1,3-Dichloropropene		ND	2.5									
Dibromochloromethane		ND	2.5									
Dibromomethane		ND	2.5									
Dichlorodifluoromethane		ND	5.0									
Ethylbenzene		ND	2.5									
Hexachlorobutadiene		ND	5.0									
Isopropylbenzene		ND	2.5									
Methyl tert-butyl ether		ND	2.5									
Methylene chloride		ND	5.0									
n-Butylbenzene		ND	2.5									
n-Propylbenzene		ND	2.5									
Naphthalene		ND	5.0									
p-Isopropyltoluene		ND	2.5									
sec-Butylbenzene		ND	2.5									
Styrene		ND	2.5									
tert-Butylbenzene		ND	2.5									
Tetrachloroethene		ND	2.5									
Toluene		ND	2.5									
trans-1,2-Dichloroethene		ND	2.5									

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11405	SampType: MBLK	TestCode: 8260S	Units: µg/Kg	Prep Date:	RunNo: 11405
Client ID: ZZZZZ	Batch ID: R11405	Method: SW8260B		Analysis Date: 10/10/2007	SeqNo: 310505
Instrument: MS03_10	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
trans-1,3-Dichloropropene	ND	2.5			
Trichloroethene	ND	2.5			
Trichlorofluoromethane	ND	5.0			
Vinyl chloride	ND	5.0			
Xylenes (total)	ND	5.0			
Surr: 1,2-Dichloroethane-d4	52.0	0.10	50	0	104
Surr: 4-Bromofluorobenzene	51.3	0.10	50	0	103
Surr: Dibromofluoromethane	51.1	0.10	50	0	102
Surr: Toluene-d8	51.8	0.10	50	0	104
				71	128
				59	125
				40	156
				75	125

**Qualifiers:** B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11519	SampType: LCS	TestCode: 8260SM	Units: µg/Kg	Prep Date:	RunNo: 11519
Client ID: ZZZZZ	Batch ID: 6357	Method: SW8260B	(SW5035_Me	Analysis Date: 10/17/2007	SeqNo: 312221
Instrument: MS01_11	ColumnID: Rtx-VMS	PQL	SPK Added	Parent Sample Result	
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
1,1,1,2-Tetrachloroethane	2500	250	2500	0	127
1,1,1-Trichloroethane	2620	250	2500	0	132
1,1,2,2-Tetrachloroethane	2140	250	2500	0	138
1,1,2-Trichloroethane	2400	250	2500	0	122
1,1-Dichloroethane	2610	250	2500	0	124
1,1-Dichloroethene	2280	250	2500	0	135
1,1-Dichloropropene	2580	250	2500	0	124
1,2,3-Trichlorobenzene	2290	500	2500	0	127
1,2,3-Trichloropropane	2380	250	2500	0	135
1,2,4-Trichlorobenzene	2190	500	2500	0	127
1,2,4-Trimethylbenzene	2850	250	2500	0	128
1,2-Dibromo-3-chloropropane	2160	500	2500	0	132
1,2-Dibromoethane	2230	250	2500	0	124
1,2-Dichlorobenzene	2600	250	2500	0	120
1,2-Dichloroethane	2660	250	2500	0	127
1,2-Dichloropropane	2630	250	2500	0	125
1,3,5-Trimethylbenzene	2890	250	2500	0	127
1,3-Dichlorobenzene	2590	250	2500	0	120
1,3-Dichloropropane	2480	250	2500	0	120
1,4-Dichlorobenzene	2470	250	2500	0	120
2,2-Dichloropropane	1590	250	2500	0	134
2-Chlorotoluene	2920	250	2500	0	125
4-Chlorotoluene	2940	250	2500	0	122
Benzene	2600	250	2500	0	121
Bromobenzene	2430	250	2500	0	126
Bromochloromethane	2130	250	2500	0	120
Bromodichloromethane	2640	250	2500	0	129

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

**E** Value exceeds the instrument calibration range  
**R** RPD exceeds accepted precision limit

**J** Analyte detected below the PQL  
**S** Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

**Work Order:** 0710024

Project: BMS-Krutulis

Qualifiers:	B	E	J
	Analyte detected in the associated Method Blank	Value exceeds the instrument calibration range	Analyte detected below the PQL
NID	Not Detected at the Practical Quantitation Limit (PQL)	RPD exceeds accepted precision limit	Spike Recovery outside accepted recovery limits

Page 35 of 45

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11519		SampleType: LCS	TestCode: 8260SM	Units: µg/Kg	Prep Date:	RunNo: 11519					
Client ID: ZZZZZ		Batch ID: 6357	Method: SW8260B	(SW5035_Me	Analysis Date: 10/17/2007	SeqNo: 312221					
Instrument: MS01_11		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	2210	250	2500	0	88	78	124				
Trichloroethene	2630	250	2500	0	105	80	120				
Trichlorofluoromethane	2680	500	2500	0	107	67	136				
Vinyl chloride	2440	500	2500	0	98	68	135				
Xylenes (total)	7700	500	7500	0	103	76	124				
Surr: 1,2-Dichloroethane-d4	2820	50	2500	0	113	71	128				
Surr: 4-Bromofluorobenzene	2570	50	2500	0	103	59	125				
Surr: Dibromofluoromethane	2510	50	2500	0	100	40	156				
Surr: Toluene-d8	2700	50	2500	0	108	75	125				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL.

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11519		SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date:		RunNo: 11519					
Client ID: ZZZZZ		Batch ID: 6357	Method: SW8260B	(SW5035_Me	Analysis Date: 10/17/2007		SeqNo: 312222					
Instrument: MS01_11		ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		ND	250									
1,1,1-Trichloroethane		ND	250									
1,1,2,2-Tetrachloroethane		ND	250									
1,1,2-Trichloroethane		ND	250									
1,1-Dichloroethane		ND	250									
1,1-Dichloroethene		ND	250									
1,1-Dichloropropene		ND	250									
1,2,3-Trichlorobenzene		ND	500									
1,2,3-Trichloropropane		ND	250									
1,2,4-Trichlorobenzene		ND	500									
1,2,4-Trimethylbenzene		ND	250									
1,2-Dibromo-3-chloropropane		ND	500									
1,2-Dibromoethane		ND	250									
1,2-Dichlorobenzene		ND	250									
1,2-Dichloroethane		ND	250									
1,2-Dichloropropane		ND	250									
1,3,5-Trimethylbenzene		ND	250									
1,3-Dichlorobenzene		ND	250									
1,3-Dichloropropane		ND	250									
1,4-Dichlorobenzene		ND	250									
2,2-Dichloropropane		ND	250									
2-Chlorotoluene		ND	250									
4-Chlorotoluene		ND	250									
Benzene		ND	250									
Bromobenzene		ND	250									
Bromochloromethane		ND	250									
Bromodichloromethane		ND	250									

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11519	SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date:	RunNo: 11519						
Client ID: ZZZZZ	Batch ID: 6357	Method: SW8260B	(SW5035_Me	Analysis Date: 10/17/2007	SeqNo: 312222						
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	250									
Bromomethane	ND	500									
Carbon tetrachloride	ND	250									
Chlorobenzene	ND	250									
Chloroethane	ND	500									
Chloroform	ND	250									
Chloromethane	ND	500									
cis-1,2-Dichloroethene	ND	250									
cis-1,3-Dichloropropene	ND	250									
Dibromochloromethane	ND	250									
Dibromomethane	ND	250									
Dichlorodifluoromethane	ND	500									
Ethylbenzene	ND	250									
Hexachlorobutadiene	ND	500									
isopropylbenzene	ND	250									
Methyl tert-butyl ether	ND	250									
Methylene chloride	ND	500									
n-Butylbenzene	ND	250									
n-Propylbenzene	ND	250									
Naphthalene	ND	500									
p-Isopropyltoluene	ND	250									
sec-Butylbenzene	ND	250									
Styrene	ND	250									
tert-Butylbenzene	ND	250									
Tetrachloroethene	ND	250									
Toluene	ND	250									
trans-1,2-Dichloroethene	ND	250									

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11519	SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date:	RunNo: 11519
Client ID: ZZZZZ	Batch ID: 6357	Method: SW8260B	(SW5035_Me	Analysis Date: 10/17/2007	SeqNo: 312222
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
trans-1,3-Dichloropropene	ND	250			
Trichloroethene	ND	250			
Trichlorofluoromethane	ND	500			
Vinyl chloride	ND	500			
Xylenes (total)	ND	500			
Surr: 1,2-Dichloroethane-d4	2740	50	2500	0	71 128
Surr: 4-Bromofluorobenzene	2660	50	2500	0	59 125
Surr: Dibromofluoromethane	2430	50	2500	0	40 156
Surr: Toluene-d8	2760	50	2500	0	75 125
			%REC	LowLimit	HighLimit
				RPD Ref Val	%RPD
					RPDLimit
					Qual

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-6357	SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date: 10/11/2007	RunNo: 11536
Client ID: ZZZZZ	Batch ID: 6357	Method: SW8260B	(SW5035_Me	Analysis Date: 10/13/2007	SeqNo: 312322
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
1,1,1,2-Tetrachloroethane	ND	250			
1,1,1-Trichloroethane	ND	250			
1,1,2,2-Tetrachloroethane	ND	250			
1,1,2-Trichloroethane	ND	250			
1,1-Dichloroethane	ND	250			
1,1-Dichloroethene	ND	250			
1,1-Dichloropropene	ND	250			
1,2,3-Trichlorobenzene	ND	500			
1,2,3-Trichloropropane	ND	250			
1,2,4-Trichlorobenzene	ND	500			
1,2,4-Trimethylbenzene	ND	250			
1,2-Dibromo-3-chloropropane	ND	500			
1,2-Dibromoethane	ND	250			
1,2-Dichlorobenzene	ND	250			
1,2-Dichloroethane	ND	250			
1,2-Dichloropropane	ND	250			
1,3,5-Trimethylbenzene	ND	250			
1,3-Dichlorobenzene	ND	250			
1,3-Dichloropropane	ND	250			
1,4-Dichlorobenzene	ND	250			
2,2-Dichloropropane	ND	250			
2-Chlorotoluene	ND	250			
4-Chlorotoluene	ND	250			
Benzene	ND	250			
Bromobenzene	ND	250			
Bromochloromethane	ND	250			
Bromodichloromethane	ND	250			

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
U Not Detected at the MDC or RL

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-6357	SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date:	RunNo: 11536						
Client ID: ZZZZZ	Batch ID: 6357	Method: SW8260B	(SW5035_Me	Analysis Date:	SeqNo: 312322						
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df									
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	250									
Bromomethane	ND	500									
Carbon tetrachloride	ND	250									
Chlorobenzene	ND	250									
Chloroethane	ND	500									
Chloroform	ND	250									
Chloromethane	ND	500									
cis-1,2-Dichloroethene	ND	250									
cis-1,3-Dichloropropene	ND	250									
Dibromochloromethane	ND	250									
Dibromomethane	ND	250									
Dichlorodifluoromethane	ND	500									
Ethylbenzene	ND	250									
Hexachlorobutadiene	ND	500									
Isopropylbenzene	ND	250									
Methyl tert-butyl ether	ND	250									
Methylene chloride	ND	500									
n-Butylbenzene	ND	250									
n-Propylbenzene	ND	250									
Naphthalene	ND	500									
p-Isopropyltoluene	ND	250									
sec-Butylbenzene	ND	250									
Styrene	ND	250									
tert-Butylbenzene	ND	250									
Tetrachloroethene	ND	250									
Toluene	ND	250									
trans-1,2-Dichloroethene	ND	250									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

**Date:** 18-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-6357	SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date:	RunNo:						
Client ID: ZZZZZ	Batch ID: 6357	Method: SW8260B	(SW5035_Me	Analysis Date:	SeqNo:						
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df									
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	250									
Trichloroethene	ND	250									
Trichlorofluoromethane	ND	500									
Vinyl chloride	ND	500									
Xylenes (total)	ND	500									
Surr: 1,2-Dichloroethane-d4	4460	50	5000	0	89	71	128				11536
Surr: 4-Bromofluorobenzene	4460	50	5000	0	89	59	125				312322
Surr: Dibromofluoromethane	4400	50	5000	0	88	40	156				
Surr: Toluene-d8	4640	50	5000	0	93	75	125				

**Qualifiers:** B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

**Date:** 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-6389	SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date: 10/15/2007	RunNo: 11519
Client ID: ZZZZZ	Batch ID: 6389	Method: SW8260B	(SW5035_Me	Analysis Date: 10/17/2007	SeqNo: 312320
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
1,1,1,2-Tetrachloroethane	ND	250			
1,1,1-Trichloroethane	ND	250			
1,1,2,2-Tetrachloroethane	ND	250			
1,1,2-Trichloroethane	ND	250			
1,1-Dichloroethane	ND	250			
1,1-Dichloroethene	ND	250			
1,1-Dichloropropene	ND	250			
1,2,3-Trichlorobenzene	ND	500			
1,2,3-Trichloropropane	ND	250			
1,2,4-Trichlorobenzene	ND	500			
1,2,4-Trimethylbenzene	ND	250			
1,2-Dibromo-3-chloropropane	ND	500			
1,2-Dibromoethane	ND	250			
1,2-Dichlorobenzene	ND	250			
1,2-Dichloroethane	ND	250			
1,2-Dichloropropane	ND	250			
1,3,5-Trimethylbenzene	ND	250			
1,3-Dichlorobenzene	ND	250			
1,3-Dichloropropane	ND	250			
1,4-Dichlorobenzene	ND	250			
2,2-Dichloropropane	ND	250			
2-Chlorotoluene	ND	250			
4-Chlorotoluene	ND	250			
Benzene	ND	250			
Bromobenzene	ND	250			
Bromochloromethane	ND	250			
Bromodichloromethane	ND	250			

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710024

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-6389	SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date:	RunNo:					
Client ID: ZZZZZ	Batch ID: 6389	Method: SW8260B	(SW5035_Me	Analysis Date:	SeqNo:					
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df								
Analyte	QC Sample Result	PQL	SPK Added	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	250								
Bromomethane	ND	500								
Carbon tetrachloride	ND	250								
Chlorobenzene	ND	250								
Chloroethane	ND	500								
Chloroform	ND	250								
Chloromethane	ND	500								
cis-1,2-Dichloroethene	ND	250								
cis-1,3-Dichloropropene	ND	250								
Dibromochloromethane	ND	250								
Dibromomethane	ND	250								
Dichlorodifluoromethane	ND	500								
Ethylbenzene	ND	250								
Hexachlorobutadiene	ND	500								
Isopropylbenzene	ND	250								
Methyl tert-butyl ether	ND	250								
Methylene chloride	ND	500								
n-Butylbenzene	ND	250								
n-Propylbenzene	ND	250								
Naphthalene	ND	500								
p-Isopropyltoluene	ND	250								
sec-Butylbenzene	ND	250								
Styrene	ND	250								
tert-Butylbenzene	ND	250								
Tetrachloroethene	ND	250								
Toluene	ND	250								
trans-1,2-Dichloroethene	ND	250								

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710024  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-6389	SampType: MBLK	TestCode: 8260SM	Units: µg/Kg	Prep Date:	RunNo: 11519						
Client ID: ZZZZZ	Batch ID: 6389	Method: SW8260B	(SW5035_Me	Analysis Date:	SeqNo: 312320						
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df									
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	ND	250									
Trichloroethene	ND	250									
Trichlorofluoromethane	ND	500									
Vinyl chloride	ND	500									
Xylenes (total)	ND	500									
Surr: 1,2-Dichloroethane-d4	6080	50	5000	0	122	71	128				
Surr: 4-Bromofluorobenzene	5400	50	5000	0	108	59	125				
Surr: Dibromofluoromethane	4460	50	5000	0	89	40	156				
Surr: Toluene-d8	5740	50	5000	0	115	75	125				

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL  
 E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit  
 J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 18-Oct-07

**Life Science Laboratories, Inc.**

**Date:** 13-Oct-07

**CLIENT:** O'Brien & Gere Engineers, Inc.  
**Lab Order:** 0710024  
**Project:** BMS-Krutulis

Sample ID	Lab ID	Units	Date Collected	Date Received	Date Analyzed	Batch ID	Percent Moisture
MW-06D (8-10)_100107	0710024-001A	wt%	10/1/2007	10/2/2007	10/11/2007	R11441	19.0
MW-06D (22-24)_100107	0710024-002A	wt%	10/1/2007	10/2/2007	10/11/2007	R11441	20.4
MW-06S (10-12)_100107	0710024-003A	wt%	10/1/2007	10/2/2007	10/11/2007	R11441	16.9
MW-06S (16-18)_100107	0710024-004A	wt%	10/1/2007	10/2/2007	10/11/2007	R11441	15.6
MW-03D (8-10)_100207	0710024-005A	wt%	10/2/2007	10/2/2007	10/11/2007	R11441	16.8
MW-03D (18-20)_100207	0710024-006A	wt%	10/2/2007	10/2/2007	10/11/2007	R11441	15.2
MW-03D (26-28)_100207	0710024-007A	wt%	10/2/2007	10/2/2007	10/11/2007	R11441	16.2



**Life Science Laboratories, Inc.**  
**Brittonfield Lab**

5000 Brittonfield Parkway, Suite 200  
East Syracuse, New York 13057  
(315) 437-0200

**Chain of Custody**

Client: OBG		Analysis/Method														
Project: BMS - Krutulis																
Sampled by: Paul Freyer																
Client Contact: Dave Carnevali		Phone # 315 437-6100														
Sample Description																
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers							Comments				
MW-06D(8-10) - 100107	10-1-07	0713	Soil	G	1	VOC (8260)						PID = 427				
MW-06D(22-24) - 100107	10-1-07	0944	Soil	G	1											PID = 6.1
MW-06D(10-12) - 100107	10-1-07	1412	Soil	G	1											PID = 2172
MW-06D(16-18) - 100107	10-1-07	1507	Soil	G	1											PID = 1141
MW-03D(8-10) - 100207	10-2-07	0943	Soil	G	1											
MW-03D(18-20) - 100207	10-2-07	1009	Soil	G	1											
MW-03D(26-28) - 100207	10-2-07	1222	Soil	G	1											
MS - 100207	10-2-07	1009	Soil	G	1											
MSD - 100207	10-2-07	1009	Soil	G	1											
EB - 100207	10-2-07	1530	water	G	3											
TB - 100207	10-2-07	-	water	-	2											
Relinquished by: Paul A. Freyer		Date: 10-2-07		Time: 1634		Received by:		Date:		Time:						
Relinquished by:		Date:		Time:		Received by:		Date:		Time:						
Relinquished by:		Date:		Time:		Received by Lab:		Date: 10/2/07		Time: 1654						
Shipment Method:		Airbill Number:														

Turnaround Time Required:

Routine

Rush (Specify)

Comments:

Per Paul Freyer - MS/MSD on Sample MW-03D(18-20)

Cooler Temperature: 3.6°C on ice

Original - Laboratory  
Copy - Client

# Life Science Laboratories, Inc.

## Sample Receipt Checklist

Client Name: OBG-MS

Date and Time Received:

10/2/2007 4:54:00 PM

Work Order Number 0710024

Received by: ads

Checklist completed by:

Initials



Date

10/3/07

Reviewed by:

Initials

MS

Date

10/3/07

Matrix:

Carrier name: Hand Delivered

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

Yes ☒

No ☐

No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☐

No ☐

Not Applicable ☒

Comments:

Corrective Action::



**SCOPE OF WORK** Level of QC Documentation: 1 2 3 4 5 6 7 8 (Circle one)

Number of Samples	Matrix	Analysis Required
43	Soil	8260
9	Water	8260
1	Water	RSK, Cl, TOC, TALK, SO4, S, NO2, NO3, TDS, OP, metals
2	TB	8260

**BOTTLES** Bottle Type: Standard \_\_\_\_\_ I Chem

Analysis	No. of Bottles	Size of Bottles	Type/Color of Bottle	Preservation
8260	27	3 x 40 ml	Vial	1:1 HCL
RSK	2	2 x 40 ml	vial	1:1 HCL
metals	1	250 ml	PE	HNO3
300.0, TDS	1	250 ml	PE	None
TALK	1	8 oz.	boston round	None
TOC	1	40 ml	Vial	1:1 HCL
S	2	2 x 500 ml	PE	ZnAc + NaOH
TB	4	2 x 40 ml	Vial	1:1 HCL
Field use ***	200	2 oz.	Sed	None
Field use	200	40 ml	Vial	None

\*\*\*\*It is anticipated that 43 jars will be submitted for analysis

*48 soils submitted*

Charge 50 cents for each unreturned VOA vial

Charge 80 cents for each unreturned sed jar

*200 - 48 = 152 jars - field use  
(2 oz jars)*

1 EB water (8 oz.)

**MISCELLANEOUS** The following checked entries are required.

- \_\_\_\_\_ Equipment blank water. How many?
- \_\_\_\_\_ One (1) clear glass liter from extraction room (Semivolatiles/Pesticides/PCBs)
- \_\_\_\_\_ One (1) Boston round (8 oz.) clear glass from volatile room (Volatiles)
- \_\_\_\_\_ One (1) liter plastic from metals prep room (Metals/Wet Chem)
- ☒ Please submit copy of this form with the bottle kit for the client.
- \_\_\_\_\_ Extra coolers are required. How many coolers altogether: \_\_\_\_\_.
- \_\_\_\_\_ Bottles need to be labeled with preprinted labels.
- \_\_\_\_\_ Pack bottles into coolers by site.
- \_\_\_\_\_ Secondary Containment is required.





**Life Science Laboratories, Inc.**

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

Monday, November 05, 2007

**Dave Carnevale**

O'Brien & Gere Engineers, Inc.

5000 Brittonfield Parkway

PO Box 4873

Syracuse, NY 13221-4873

TEL: 315-437-6100

Project: BMS-KRUTULIS

RE: Analytical Results

Order No.: 0710127

Dear Dave Carnevale:

Life Science Laboratories, Inc. received 6 sample(s) on 10/18/2007 for the analyses presented in the following report.

Very truly yours,  
Life Science Laboratories, Inc.

Monika Santucci  
Project Manager



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 15:43

TestCode 8260W

Lab ID: 0710127-001A

Client Sample ID: MW-06D\_10182007

Collection Date: 10/18/07 10:40

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11609

FileID: 1-SAMP-M3085.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND		25.0	µg/L	50	10/23/07 15:06
1,1,1-Trichloroethane	ND		25.0	µg/L	50	10/23/07 15:06
1,1,2,2-Tetrachloroethane	ND		25.0	µg/L	50	10/23/07 15:06
1,1,2-Trichloroethane	ND		25.0	µg/L	50	10/23/07 15:06
1,1-Dichloroethane	ND		25.0	µg/L	50	10/23/07 15:06
1,1-Dichloroethene	ND		25.0	µg/L	50	10/23/07 15:06
1,1-Dichloropropene	ND		25.0	µg/L	50	10/23/07 15:06
1,2,3-Trichlorobenzene	ND		50.0	µg/L	50	10/23/07 15:06
1,2,3-Trichloropropane	ND		25.0	µg/L	50	10/23/07 15:06
1,2,4-Trichlorobenzene	ND		50.0	µg/L	50	10/23/07 15:06
1,2,4-Trimethylbenzene	ND		25.0	µg/L	50	10/23/07 15:06
1,2-Dibromo-3-chloropropane	ND		50.0	µg/L	50	10/23/07 15:06
1,2-Dibromoethane	ND		25.0	µg/L	50	10/23/07 15:06
1,2-Dichlorobenzene	ND		25.0	µg/L	50	10/23/07 15:06
1,2-Dichloroethane	ND		25.0	µg/L	50	10/23/07 15:06
1,2-Dichloropropane	ND		25.0	µg/L	50	10/23/07 15:06
1,3,5-Trimethylbenzene	ND		25.0	µg/L	50	10/23/07 15:06
1,3-Dichlorobenzene	ND		25.0	µg/L	50	10/23/07 15:06
1,3-Dichloropropane	ND		25.0	µg/L	50	10/23/07 15:06
1,4-Dichlorobenzene	ND		25.0	µg/L	50	10/23/07 15:06
2,2-Dichloropropane	ND		25.0	µg/L	50	10/23/07 15:06
2-Chlorotoluene	ND		25.0	µg/L	50	10/23/07 15:06
4-Chlorotoluene	ND		25.0	µg/L	50	10/23/07 15:06
Benzene	ND		25.0	µg/L	50	10/23/07 15:06
Bromobenzene	ND		25.0	µg/L	50	10/23/07 15:06
Bromochloromethane	ND		25.0	µg/L	50	10/23/07 15:06
Bromodichloromethane	ND		25.0	µg/L	50	10/23/07 15:06
Bromoform	ND		25.0	µg/L	50	10/23/07 15:06
Bromomethane	ND		50.0	µg/L	50	10/23/07 15:06
Carbon tetrachloride	ND		25.0	µg/L	50	10/23/07 15:06
Chlorobenzene	ND		25.0	µg/L	50	10/23/07 15:06
Chloroethane	ND		50.0	µg/L	50	10/23/07 15:06
Chloroform	ND		25.0	µg/L	50	10/23/07 15:06
Chloromethane	ND		50.0	µg/L	50	10/23/07 15:06

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 15:43

TestCode 8260W

Lab ID: 0710127-001A

Client Sample ID: MW-06D\_10182007

Collection Date: 10/18/07 10:40

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11609

FileID: I-SAMP-M3085.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND	25.0		µg/L	50	10/23/07 15:06
cis-1,3-Dichloropropene	ND	25.0		µg/L	50	10/23/07 15:06
Dibromochloromethane	ND	25.0		µg/L	50	10/23/07 15:06
Dibromomethane	ND	25.0		µg/L	50	10/23/07 15:06
Dichlorodifluoromethane	ND	50.0		µg/L	50	10/23/07 15:06
Ethylbenzene	ND	25.0		µg/L	50	10/23/07 15:06
Hexachlorobutadiene	ND	50.0		µg/L	50	10/23/07 15:06
Isopropylbenzene	ND	25.0		µg/L	50	10/23/07 15:06
Methyl tert-butyl ether	ND	25.0		µg/L	50	10/23/07 15:06
Methylene chloride	ND	100		µg/L	50	10/23/07 15:06
n-Butylbenzene	ND	25.0		µg/L	50	10/23/07 15:06
n-Propylbenzene	ND	25.0		µg/L	50	10/23/07 15:06
Naphthalene	ND	50.0		µg/L	50	10/23/07 15:06
p-Isopropyltoluene	ND	25.0		µg/L	50	10/23/07 15:06
sec-Butylbenzene	ND	25.0		µg/L	50	10/23/07 15:06
Styrene	ND	25.0		µg/L	50	10/23/07 15:06
tert-Butylbenzene	ND	25.0		µg/L	50	10/23/07 15:06
Tetrachloroethene	ND	25.0		µg/L	50	10/23/07 15:06
Toluene	1470	25.0		µg/L	50	10/23/07 15:06
trans-1,2-Dichloroethene	ND	25.0		µg/L	50	10/23/07 15:06
trans-1,3-Dichloropropene	ND	25.0		µg/L	50	10/23/07 15:06
Trichloroethene	1940	25.0		µg/L	50	10/23/07 15:06
Trichlorofluoromethane	ND	50.0		µg/L	50	10/23/07 15:06
Vinyl chloride	ND	50.0		µg/L	50	10/23/07 15:06
Xylenes (total)	ND	50.0		µg/L	50	10/23/07 15:06
Surr: 1,2-Dichloroethane-d4	106	75-134		%REC	50	10/23/07 15:06
Surr: 4-Bromofluorobenzene	99.5	75-125		%REC	50	10/23/07 15:06
Surr: Dibromofluoromethane	99.9	75-127		%REC	50	10/23/07 15:06
Surr: Toluene-d8	107	75-125		%REC	50	10/23/07 15:06

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

ColumnID: Rtx-502.2

Revision: 10/24/07 14:20

Col Type:

Sample Size: 25 mL

%Moisture:

TestCode 8260W

Lab ID: 0710127-002A

Client Sample ID: MW-06S\_10182007

Collection Date: 10/18/07 11:38

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11607

FileID: 1-SAMP-M3074.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND		10.0	µg/L	20	10/22/07 18:04
1,1,1-Trichloroethane	ND		10.0	µg/L	20	10/22/07 18:04
1,1,2,2-Tetrachloroethane	ND		10.0	µg/L	20	10/22/07 18:04
1,1,2-Trichloroethane	ND		10.0	µg/L	20	10/22/07 18:04
1,1-Dichloroethane	ND		10.0	µg/L	20	10/22/07 18:04
1,1-Dichloroethene	ND		10.0	µg/L	20	10/22/07 18:04
1,1-Dichloropropene	ND		10.0	µg/L	20	10/22/07 18:04
1,2,3-Trichlorobenzene	ND		20.0	µg/L	20	10/22/07 18:04
1,2,3-Trichloropropane	ND		10.0	µg/L	20	10/22/07 18:04
1,2,4-Trichlorobenzene	ND		20.0	µg/L	20	10/22/07 18:04
1,2,4-Trimethylbenzene	ND		10.0	µg/L	20	10/22/07 18:04
1,2-Dibromo-3-chloropropane	ND		20.0	µg/L	20	10/22/07 18:04
1,2-Dibromoethane	ND		10.0	µg/L	20	10/22/07 18:04
1,2-Dichlorobenzene	ND		10.0	µg/L	20	10/22/07 18:04
1,2-Dichloroethane	ND		10.0	µg/L	20	10/22/07 18:04
1,2-Dichloropropane	ND		10.0	µg/L	20	10/22/07 18:04
1,3,5-Trimethylbenzene	ND		10.0	µg/L	20	10/22/07 18:04
1,3-Dichlorobenzene	ND		10.0	µg/L	20	10/22/07 18:04
1,3-Dichloropropane	ND		10.0	µg/L	20	10/22/07 18:04
1,4-Dichlorobenzene	ND		10.0	µg/L	20	10/22/07 18:04
2,2-Dichloropropane	ND		10.0	µg/L	20	10/22/07 18:04
2-Chlorotoluene	ND		10.0	µg/L	20	10/22/07 18:04
4-Chlorotoluene	ND		10.0	µg/L	20	10/22/07 18:04
Benzene	ND		10.0	µg/L	20	10/22/07 18:04
Bromobenzene	ND		10.0	µg/L	20	10/22/07 18:04
Bromochloromethane	ND		10.0	µg/L	20	10/22/07 18:04
Bromodichloromethane	ND		10.0	µg/L	20	10/22/07 18:04
Bromoform	ND		10.0	µg/L	20	10/22/07 18:04
Bromomethane	ND		20.0	µg/L	20	10/22/07 18:04
Carbon tetrachloride	ND		10.0	µg/L	20	10/22/07 18:04
Chlorobenzene	ND		10.0	µg/L	20	10/22/07 18:04
Chloroethane	ND		20.0	µg/L	20	10/22/07 18:04
Chloroform	ND		10.0	µg/L	20	10/22/07 18:04
Chloromethane	ND		20.0	µg/L	20	10/22/07 18:04

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 14:20

TestCode 8260W

Lab ID: 0710127-002A

Client Sample ID: MW-06S\_10182007

Collection Date: 10/18/07 11:38

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11607

FileID: I-SAMP-M3074.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND		10.0	µg/L	20	10/22/07 18:04
cis-1,3-Dichloropropene	ND		10.0	µg/L	20	10/22/07 18:04
Dibromochloromethane	ND		10.0	µg/L	20	10/22/07 18:04
Dibromomethane	ND		10.0	µg/L	20	10/22/07 18:04
Dichlorodifluoromethane	ND		20.0	µg/L	20	10/22/07 18:04
Ethylbenzene	ND		10.0	µg/L	20	10/22/07 18:04
Hexachlorobutadiene	ND		20.0	µg/L	20	10/22/07 18:04
Isopropylbenzene	ND		10.0	µg/L	20	10/22/07 18:04
Methyl tert-butyl ether	ND		10.0	µg/L	20	10/22/07 18:04
Methylene chloride	ND		40.0	µg/L	20	10/22/07 18:04
n-Butylbenzene	ND		10.0	µg/L	20	10/22/07 18:04
n-Propylbenzene	ND		10.0	µg/L	20	10/22/07 18:04
Naphthalene	ND		20.0	µg/L	20	10/22/07 18:04
p-Isopropyltoluene	ND		10.0	µg/L	20	10/22/07 18:04
sec-Butylbenzene	ND		10.0	µg/L	20	10/22/07 18:04
Styrene	ND		10.0	µg/L	20	10/22/07 18:04
tert-Butylbenzene	ND		10.0	µg/L	20	10/22/07 18:04
Tetrachloroethene	ND		10.0	µg/L	20	10/22/07 18:04
Toluene	530		10.0	µg/L	20	10/22/07 18:04
trans-1,2-Dichloroethene	ND		10.0	µg/L	20	10/22/07 18:04
trans-1,3-Dichloropropene	ND		10.0	µg/L	20	10/22/07 18:04
Trichloroethene	677		10.0	µg/L	20	10/22/07 18:04
Trichlorofluoromethane	ND		20.0	µg/L	20	10/22/07 18:04
Vinyl chloride	ND		20.0	µg/L	20	10/22/07 18:04
Xylenes (total)	ND		20.0	µg/L	20	10/22/07 18:04
Surr: 1,2-Dichloroethane-d4	102		75-134	%REC	20	10/22/07 18:04
Surr: 4-Bromofluorobenzene	101		75-125	%REC	20	10/22/07 18:04
Surr: Dibromofluoromethane	101		75-127	%REC	20	10/22/07 18:04
Surr: Toluene-d8	108		75-125	%REC	20	10/22/07 18:04

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
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- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 14:20

TestCode 8260W

Lab ID: 0710127-003A

Client Sample ID: FD\_10182007

Collection Date: 10/18/07 0:00

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11607

FileID: 1-SAMP-M3075.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND		10.0	µg/L	20	10/22/07 18:42
1,1,1-Trichloroethane	ND		10.0	µg/L	20	10/22/07 18:42
1,1,2,2-Tetrachloroethane	ND		10.0	µg/L	20	10/22/07 18:42
1,1,2-Trichloroethane	ND		10.0	µg/L	20	10/22/07 18:42
1,1-Dichloroethane	ND		10.0	µg/L	20	10/22/07 18:42
1,1-Dichloroethene	ND		10.0	µg/L	20	10/22/07 18:42
1,1-Dichloropropene	ND		10.0	µg/L	20	10/22/07 18:42
1,2,3-Trichlorobenzene	ND		20.0	µg/L	20	10/22/07 18:42
1,2,3-Trichloropropane	ND		10.0	µg/L	20	10/22/07 18:42
1,2,4-Trichlorobenzene	ND		20.0	µg/L	20	10/22/07 18:42
1,2,4-Trimethylbenzene	ND		10.0	µg/L	20	10/22/07 18:42
1,2-Dibromo-3-chloropropane	ND		20.0	µg/L	20	10/22/07 18:42
1,2-Dibromoethane	ND		10.0	µg/L	20	10/22/07 18:42
1,2-Dichlorobenzene	ND		10.0	µg/L	20	10/22/07 18:42
1,2-Dichloroethane	ND		10.0	µg/L	20	10/22/07 18:42
1,2-Dichloropropane	ND		10.0	µg/L	20	10/22/07 18:42
1,3,5-Trimethylbenzene	ND		10.0	µg/L	20	10/22/07 18:42
1,3-Dichlorobenzene	ND		10.0	µg/L	20	10/22/07 18:42
1,3-Dichloropropane	ND		10.0	µg/L	20	10/22/07 18:42
1,4-Dichlorobenzene	ND		10.0	µg/L	20	10/22/07 18:42
2,2-Dichloropropane	ND		10.0	µg/L	20	10/22/07 18:42
2-Chlorotoluene	ND		10.0	µg/L	20	10/22/07 18:42
4-Chlorotoluene	ND		10.0	µg/L	20	10/22/07 18:42
Benzene	ND		10.0	µg/L	20	10/22/07 18:42
Bromobenzene	ND		10.0	µg/L	20	10/22/07 18:42
Bromochloromethane	ND		10.0	µg/L	20	10/22/07 18:42
Bromodichloromethane	ND		10.0	µg/L	20	10/22/07 18:42
Bromoform	ND		10.0	µg/L	20	10/22/07 18:42
Bromomethane	ND		20.0	µg/L	20	10/22/07 18:42
Carbon tetrachloride	ND		10.0	µg/L	20	10/22/07 18:42
Chlorobenzene	ND		10.0	µg/L	20	10/22/07 18:42
Chloroethane	ND		20.0	µg/L	20	10/22/07 18:42
Chloroform	ND		10.0	µg/L	20	10/22/07 18:42
Chloromethane	ND		20.0	µg/L	20	10/22/07 18:42

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 14:20

TestCode 8260W

Lab ID: 0710127-003A

Client Sample ID: FD\_10182007

Collection Date: 10/18/07 0:00

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11607

FileID: 1-SAMP-M3075.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND	10.0		µg/L	20	10/22/07 18:42
cis-1,3-Dichloropropene	ND	10.0		µg/L	20	10/22/07 18:42
Dibromochloromethane	ND	10.0		µg/L	20	10/22/07 18:42
Dibromomethane	ND	10.0		µg/L	20	10/22/07 18:42
Dichlorodifluoromethane	ND	20.0		µg/L	20	10/22/07 18:42
Ethylbenzene	ND	10.0		µg/L	20	10/22/07 18:42
Hexachlorobutadiene	ND	20.0		µg/L	20	10/22/07 18:42
Isopropylbenzene	ND	10.0		µg/L	20	10/22/07 18:42
Methyl tert-butyl ether	ND	10.0		µg/L	20	10/22/07 18:42
Methylene chloride	ND	40.0		µg/L	20	10/22/07 18:42
n-Butylbenzene	ND	10.0		µg/L	20	10/22/07 18:42
n-Propylbenzene	ND	10.0		µg/L	20	10/22/07 18:42
Naphthalene	ND	20.0		µg/L	20	10/22/07 18:42
p-Isopropyltoluene	ND	10.0		µg/L	20	10/22/07 18:42
sec-Butylbenzene	ND	10.0		µg/L	20	10/22/07 18:42
Styrene	ND	10.0		µg/L	20	10/22/07 18:42
tert-Butylbenzene	ND	10.0		µg/L	20	10/22/07 18:42
Tetrachloroethene	ND	10.0		µg/L	20	10/22/07 18:42
Toluene	529	10.0		µg/L	20	10/22/07 18:42
trans-1,2-Dichloroethene	ND	10.0		µg/L	20	10/22/07 18:42
trans-1,3-Dichloropropene	ND	10.0		µg/L	20	10/22/07 18:42
Trichloroethene	686	10.0		µg/L	20	10/22/07 18:42
Trichlorofluoromethane	ND	20.0		µg/L	20	10/22/07 18:42
Vinyl chloride	ND	20.0		µg/L	20	10/22/07 18:42
Xylenes (total)	ND	20.0		µg/L	20	10/22/07 18:42
Surr: 1,2-Dichloroethane-d4	103	75-134		%REC	20	10/22/07 18:42
Surr: 4-Bromofluorobenzene	101	75-125		%REC	20	10/22/07 18:42
Surr: Dibromofluoromethane	101	75-127		%REC	20	10/22/07 18:42
Surr: Toluene-d8	107	75-125		%REC	20	10/22/07 18:42

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
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# Life Science Laboratories, Inc.

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## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 15:43

TestCode 8260W

Col Type:

Lab ID: 0710127-004A

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11609

FileID: 1-SAMP-M3086.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND		100	µg/L	200	10/23/07 15:44
1,1,1-Trichloroethane	ND		100	µg/L	200	10/23/07 15:44
1,1,2,2-Tetrachloroethane	ND		100	µg/L	200	10/23/07 15:44
1,1,2-Trichloroethane	ND		100	µg/L	200	10/23/07 15:44
1,1-Dichloroethane	ND		100	µg/L	200	10/23/07 15:44
1,1-Dichloroethene	ND		100	µg/L	200	10/23/07 15:44
1,1-Dichloropropene	ND		100	µg/L	200	10/23/07 15:44
1,2,3-Trichlorobenzene	ND		200	µg/L	200	10/23/07 15:44
1,2,3-Trichloropropane	ND		100	µg/L	200	10/23/07 15:44
1,2,4-Trichlorobenzene	ND		200	µg/L	200	10/23/07 15:44
1,2,4-Trimethylbenzene	ND		100	µg/L	200	10/23/07 15:44
1,2-Dibromo-3-chloropropane	ND		200	µg/L	200	10/23/07 15:44
1,2-Dibromoethane	ND		100	µg/L	200	10/23/07 15:44
1,2-Dichlorobenzene	ND		100	µg/L	200	10/23/07 15:44
1,2-Dichloroethane	ND		100	µg/L	200	10/23/07 15:44
1,2-Dichloropropane	ND		100	µg/L	200	10/23/07 15:44
1,3,5-Trimethylbenzene	ND		100	µg/L	200	10/23/07 15:44
1,3-Dichlorobenzene	ND		100	µg/L	200	10/23/07 15:44
1,3-Dichloropropane	ND		100	µg/L	200	10/23/07 15:44
1,4-Dichlorobenzene	ND		100	µg/L	200	10/23/07 15:44
2,2-Dichloropropane	ND		100	µg/L	200	10/23/07 15:44
2-Chlorotoluene	ND		100	µg/L	200	10/23/07 15:44
4-Chlorotoluene	ND		100	µg/L	200	10/23/07 15:44
Benzene	ND		100	µg/L	200	10/23/07 15:44
Bromobenzene	ND		100	µg/L	200	10/23/07 15:44
Bromochloromethane	ND		100	µg/L	200	10/23/07 15:44
Bromodichloromethane	ND		100	µg/L	200	10/23/07 15:44
Bromoform	ND		100	µg/L	200	10/23/07 15:44
Bromomethane	ND		200	µg/L	200	10/23/07 15:44
Carbon tetrachloride	ND		100	µg/L	200	10/23/07 15:44
Chlorobenzene	ND		100	µg/L	200	10/23/07 15:44
Chloroethane	ND		200	µg/L	200	10/23/07 15:44
Chloroform	ND		100	µg/L	200	10/23/07 15:44
Chloromethane	ND		200	µg/L	200	10/23/07 15:44

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 15:43

TestCode 8260W

Lab ID: 0710127-004A

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11609

FileID: 1-SAMP-M3086.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	3230	100		µg/L	200	10/23/07 15:44
cis-1,3-Dichloropropene	ND	100		µg/L	200	10/23/07 15:44
Dibromochloromethane	ND	100		µg/L	200	10/23/07 15:44
Dibromomethane	ND	100		µg/L	200	10/23/07 15:44
Dichlorodifluoromethane	ND	200		µg/L	200	10/23/07 15:44
Ethylbenzene	ND	100		µg/L	200	10/23/07 15:44
Hexachlorobutadiene	ND	200		µg/L	200	10/23/07 15:44
Isopropylbenzene	ND	100		µg/L	200	10/23/07 15:44
Methyl tert-butyl ether	ND	100		µg/L	200	10/23/07 15:44
Methylene chloride	ND	400		µg/L	200	10/23/07 15:44
n-Butylbenzene	ND	100		µg/L	200	10/23/07 15:44
n-Propylbenzene	ND	100		µg/L	200	10/23/07 15:44
Naphthalene	ND	200		µg/L	200	10/23/07 15:44
p-Isopropyltoluene	ND	100		µg/L	200	10/23/07 15:44
sec-Butylbenzene	ND	100		µg/L	200	10/23/07 15:44
Styrene	ND	100		µg/L	200	10/23/07 15:44
tert-Butylbenzene	ND	100		µg/L	200	10/23/07 15:44
Tetrachloroethene	ND	100		µg/L	200	10/23/07 15:44
Toluene	ND	100		µg/L	200	10/23/07 15:44
trans-1,2-Dichloroethene	ND	100		µg/L	200	10/23/07 15:44
trans-1,3-Dichloropropene	ND	100		µg/L	200	10/23/07 15:44
Trichloroethene	1140	100		µg/L	200	10/23/07 15:44
Trichlorofluoromethane	ND	200		µg/L	200	10/23/07 15:44
Vinyl chloride	624	200		µg/L	200	10/23/07 15:44
Xylenes (total)	ND	200		µg/L	200	10/23/07 15:44
Surr: 1,2-Dichloroethane-d4	103	75-134		%REC	200	10/23/07 15:44
Surr: 4-Bromofluorobenzene	99.5	75-125		%REC	200	10/23/07 15:44
Surr: Dibromofluoromethane	98.8	75-127		%REC	200	10/23/07 15:44
Surr: Toluene-d8	108	75-125		%REC	200	10/23/07 15:44

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 15:43

TestCode 8260W

Lab ID: 0710127-005A

Client Sample ID: MW-03D\_10182007

Collection Date: 10/18/07 15:25

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11609

FileID: 1-SAMP-M3087.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND		100	µg/L	200	10/23/07 16:22
1,1,1-Trichloroethane	ND		100	µg/L	200	10/23/07 16:22
1,1,2,2-Tetrachloroethane	ND		100	µg/L	200	10/23/07 16:22
1,1,2-Trichloroethane	ND		100	µg/L	200	10/23/07 16:22
1,1-Dichloroethane	ND		100	µg/L	200	10/23/07 16:22
1,1-Dichloroethene	ND		100	µg/L	200	10/23/07 16:22
1,1-Dichloropropene	ND		100	µg/L	200	10/23/07 16:22
1,2,3-Trichlorobenzene	ND		200	µg/L	200	10/23/07 16:22
1,2,3-Trichloropropane	ND		100	µg/L	200	10/23/07 16:22
1,2,4-Trichlorobenzene	ND		200	µg/L	200	10/23/07 16:22
1,2,4-Trimethylbenzene	ND		100	µg/L	200	10/23/07 16:22
1,2-Dibromo-3-chloropropane	ND		200	µg/L	200	10/23/07 16:22
1,2-Dibromoethane	ND		100	µg/L	200	10/23/07 16:22
1,2-Dichlorobenzene	ND		100	µg/L	200	10/23/07 16:22
1,2-Dichloroethane	ND		100	µg/L	200	10/23/07 16:22
1,2-Dichloropropane	ND		100	µg/L	200	10/23/07 16:22
1,3,5-Trimethylbenzene	ND		100	µg/L	200	10/23/07 16:22
1,3-Dichlorobenzene	ND		100	µg/L	200	10/23/07 16:22
1,3-Dichloropropane	ND		100	µg/L	200	10/23/07 16:22
1,4-Dichlorobenzene	ND		100	µg/L	200	10/23/07 16:22
2,2-Dichloropropane	ND		100	µg/L	200	10/23/07 16:22
2-Chlorotoluene	ND		100	µg/L	200	10/23/07 16:22
4-Chlorotoluene	ND		100	µg/L	200	10/23/07 16:22
Benzene	ND		100	µg/L	200	10/23/07 16:22
Bromobenzene	ND		100	µg/L	200	10/23/07 16:22
Bromochloromethane	ND		100	µg/L	200	10/23/07 16:22
Bromodichloromethane	ND		100	µg/L	200	10/23/07 16:22
Bromoform	ND		100	µg/L	200	10/23/07 16:22
Bromomethane	ND		200	µg/L	200	10/23/07 16:22
Carbon tetrachloride	ND		100	µg/L	200	10/23/07 16:22
Chlorobenzene	ND		100	µg/L	200	10/23/07 16:22
Chloroethane	ND		200	µg/L	200	10/23/07 16:22
Chloroform	ND		100	µg/L	200	10/23/07 16:22
Chloromethane	ND		200	µg/L	200	10/23/07 16:22

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- II Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 15:43

TestCode 8260W

Lab ID: 0710127-005A

Client Sample ID: MW-03D\_10182007

Collection Date: 10/18/07 15:25

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11609

FileID: 1-SAMP-M3087.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND	100		µg/L	200	10/23/07 16:22
cis-1,3-Dichloropropene	ND	100		µg/L	200	10/23/07 16:22
Dibromochloromethane	ND	100		µg/L	200	10/23/07 16:22
Dibromomethane	ND	100		µg/L	200	10/23/07 16:22
Dichlorodifluoromethane	ND	200		µg/L	200	10/23/07 16:22
Ethylbenzene	ND	100		µg/L	200	10/23/07 16:22
Hexachlorobutadiene	ND	200		µg/L	200	10/23/07 16:22
Isopropylbenzene	ND	100		µg/L	200	10/23/07 16:22
Methyl tert-butyl ether	ND	100		µg/L	200	10/23/07 16:22
Methylene chloride	ND	400		µg/L	200	10/23/07 16:22
n-Butylbenzene	ND	100		µg/L	200	10/23/07 16:22
n-Propylbenzene	ND	100		µg/L	200	10/23/07 16:22
Naphthalene	ND	200		µg/L	200	10/23/07 16:22
p-Isopropyltoluene	ND	100		µg/L	200	10/23/07 16:22
sec-Butylbenzene	ND	100		µg/L	200	10/23/07 16:22
Styrene	ND	100		µg/L	200	10/23/07 16:22
tert-Butylbenzene	ND	100		µg/L	200	10/23/07 16:22
Tetrachloroethene	ND	100		µg/L	200	10/23/07 16:22
Toluene	ND	100		µg/L	200	10/23/07 16:22
trans-1,2-Dichloroethene	ND	100		µg/L	200	10/23/07 16:22
trans-1,3-Dichloropropene	ND	100		µg/L	200	10/23/07 16:22
Trichloroethene	1030	100		µg/L	200	10/23/07 16:22
Trichlorofluoromethane	ND	200		µg/L	200	10/23/07 16:22
Vinyl chloride	ND	200		µg/L	200	10/23/07 16:22
Xylenes (total)	ND	200		µg/L	200	10/23/07 16:22
Surr: 1,2-Dichloroethane-d4	102	75-134		%REC	200	10/23/07 16:22
Surr: 4-Bromofluorobenzene	99.5	75-125		%REC	200	10/23/07 16:22
Surr: Dibromofluoromethane	99.2	75-127		%REC	200	10/23/07 16:22
Surr: Toluene-d8	107	75-125		%REC	200	10/23/07 16:22

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER Q

Inst. ID: MS02 12

ColumnID: Rtx-502.2

Revision: 10/24/07 14:20

Col Type:

Sample Size: 25 mL

%Moisture:

TestCode 8260W

Lab ID: 0710127-006A

Client Sample ID: TB\_10182007

Collection Date: 10/18/07 10:40

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11607

FileID: 1-SAMP-M3071.D

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
1,1,1,2-Tetrachloroethane	ND		0.50	µg/L	1	10/22/07 16:08
1,1,1-Trichloroethane	ND		0.50	µg/L	1	10/22/07 16:08
1,1,2,2-Tetrachloroethane	ND		0.50	µg/L	1	10/22/07 16:08
1,1,2-Trichloroethane	ND		0.50	µg/L	1	10/22/07 16:08
1,1-Dichloroethane	ND		0.50	µg/L	1	10/22/07 16:08
1,1-Dichloroethene	ND		0.50	µg/L	1	10/22/07 16:08
1,1-Dichloropropene	ND		0.50	µg/L	1	10/22/07 16:08
1,2,3-Trichlorobenzene	ND		1.00	µg/L	1	10/22/07 16:08
1,2,3-Trichloropropane	ND		0.50	µg/L	1	10/22/07 16:08
1,2,4-Trichlorobenzene	ND		1.00	µg/L	1	10/22/07 16:08
1,2,4-Trimethylbenzene	ND		0.50	µg/L	1	10/22/07 16:08
1,2-Dibromo-3-chloropropane	ND		1.00	µg/L	1	10/22/07 16:08
1,2-Dibromoethane	ND		0.50	µg/L	1	10/22/07 16:08
1,2-Dichlorobenzene	ND		0.50	µg/L	1	10/22/07 16:08
1,2-Dichloroethane	ND		0.50	µg/L	1	10/22/07 16:08
1,2-Dichloropropane	ND		0.50	µg/L	1	10/22/07 16:08
1,3,5-Trimethylbenzene	ND		0.50	µg/L	1	10/22/07 16:08
1,3-Dichlorobenzene	ND		0.50	µg/L	1	10/22/07 16:08
1,3-Dichloropropane	ND		0.50	µg/L	1	10/22/07 16:08
1,4-Dichlorobenzene	ND		0.50	µg/L	1	10/22/07 16:08
2,2-Dichloropropane	ND		0.50	µg/L	1	10/22/07 16:08
2-Chlorotoluene	ND		0.50	µg/L	1	10/22/07 16:08
4-Chlorotoluene	ND		0.50	µg/L	1	10/22/07 16:08
Benzene	ND		0.50	µg/L	1	10/22/07 16:08
Bromobenzene	ND		0.50	µg/L	1	10/22/07 16:08
Bromochloromethane	ND		0.50	µg/L	1	10/22/07 16:08
Bromodichloromethane	ND		0.50	µg/L	1	10/22/07 16:08
Bromoform	ND		0.50	µg/L	1	10/22/07 16:08
Bromomethane	ND		1.00	µg/L	1	10/22/07 16:08
Carbon tetrachloride	ND		0.50	µg/L	1	10/22/07 16:08
Chlorobenzene	ND		0.50	µg/L	1	10/22/07 16:08
Chloroethane	ND		1.00	µg/L	1	10/22/07 16:08
Chloroform	ND		0.50	µg/L	1	10/22/07 16:08
Chloromethane	ND		1.00	µg/L	1	10/22/07 16:08

Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER Q

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 10/24/07 14:20

TestCode 8260W

Lab ID: 0710127-006A

Client Sample ID: TB\_10182007

Collection Date: 10/18/07 10:40

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11607

FileID: 1-SAMP-M3071.D

Col Type:

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B		
cis-1,2-Dichloroethene	ND		0.50	µg/L	1	10/22/07 16:08
cis-1,3-Dichloropropene	ND		0.50	µg/L	1	10/22/07 16:08
Dibromochloromethane	ND		0.50	µg/L	1	10/22/07 16:08
Dibromomethane	ND		0.50	µg/L	1	10/22/07 16:08
Dichlorodifluoromethane	ND		1.00	µg/L	1	10/22/07 16:08
Ethylbenzene	ND		0.50	µg/L	1	10/22/07 16:08
Hexachlorobutadiene	ND		1.00	µg/L	1	10/22/07 16:08
Isopropylbenzene	ND		0.50	µg/L	1	10/22/07 16:08
Methyl tert-butyl ether	ND		0.50	µg/L	1	10/22/07 16:08
Methylene chloride	ND		2.00	µg/L	1	10/22/07 16:08
n-Butylbenzene	ND		0.50	µg/L	1	10/22/07 16:08
n-Propylbenzene	ND		0.50	µg/L	1	10/22/07 16:08
Naphthalene	ND		1.00	µg/L	1	10/22/07 16:08
p-Isopropyltoluene	ND		0.50	µg/L	1	10/22/07 16:08
sec-Butylbenzene	ND		0.50	µg/L	1	10/22/07 16:08
Styrene	ND		0.50	µg/L	1	10/22/07 16:08
tert-Butylbenzene	ND		0.50	µg/L	1	10/22/07 16:08
Tetrachloroethene	ND		0.50	µg/L	1	10/22/07 16:08
Toluene	ND		0.50	µg/L	1	10/22/07 16:08
trans-1,2-Dichloroethene	ND		0.50	µg/L	1	10/22/07 16:08
trans-1,3-Dichloropropene	ND		0.50	µg/L	1	10/22/07 16:08
Trichloroethene	0.50		0.50	µg/L	1	10/22/07 16:08
Trichlorofluoromethane	ND		1.00	µg/L	1	10/22/07 16:08
Vinyl chloride	ND		1.00	µg/L	1	10/22/07 16:08
Xylenes (total)	ND		1.00	µg/L	1	10/22/07 16:08
Surr: 1,2-Dichloroethane-d4	102		75-134	%REC	1	10/22/07 16:08
Surr: 4-Bromofluorobenzene	101		75-125	%REC	1	10/22/07 16:08
Surr: Dibromofluoromethane	101		75-127	%REC	1	10/22/07 16:08
Surr: Toluene-d8	108		75-125	%REC	1	10/22/07 16:08

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-001AMS		SampType: MS	TestCode: 8260W		Units: µg/L	Prep Date:		RunNo: 11609			
Client ID: MW-06D_10182007		Batch ID: R11609	Method: SW8260B			Analysis Date: 10/23/2007		SeqNo: 313760			
Instrument: MS02_12		ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	474	25.0	500	0	95	70	130				
1,1,1-Trichloroethane	414	25.0	500	0	83	70	130				
1,1,2,2-Tetrachloroethane	455	25.0	500	0	91	68	136				
1,1,2-Trichloroethane	484	25.0	500	0	97	68	133				
1,1-Dichloroethane	466	25.0	500	0	93	70	130				
1,1-Dichloroethene	399	25.0	500	0	80	70	135				
1,1-Dichloropropene	454	25.0	500	0	91	70	130				
1,2,3-Trichlorobenzene	462	50.0	500	0	92	70	130				
1,2,3-Trichloropropane	482	25.0	500	0	96	63	143				
1,2,4-Trichlorobenzene	421	50.0	500	0	84	68	130				
1,2,4-Trimethylbenzene	447	25.0	500	0	89	64	135				
1,2-Dibromo-3-chloropropane	408	50.0	500	0	82	55	149				
1,2-Dibromoethane	456	25.0	500	0	91	70	130				
1,2-Dichlorobenzene	450	25.0	500	0	90	70	130				
1,2-Dichloroethane	448	25.0	500	0	90	70	130				
1,2-Dichloropropene	492	25.0	500	0	98	70	130				
1,3,5-Trimethylbenzene	453	25.0	500	0	91	70	130				
1,3-Dichlorobenzene	432	25.0	500	0	86	70	130				
1,3-Dichloropropane	460	25.0	500	0	92	70	130				
1,4-Dichlorobenzene	444	25.0	500	0	89	70	130				
2,2-Dichloropropane	250	25.0	500	0	50	70	130				S
2-Chlorotoluene	372	25.0	500	0	74	70	130				
4-Chlorotoluene	477	25.0	500	0	95	70	130				
Benzene	461	25.0	500	0	92	70	132				
Bromobenzene	442	25.0	500	0	88	70	130				
Bromochloromethane	464	25.0	500	0	93	70	130				
Bromodichloromethane	441	25.0	500	0	88	70	130				

Qualifiers: B Analyte detected in the associated Method Blank

ND Not Detected at the Practical Quantitation Limit (PQL)

U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range

R RPD exceeds accepted precision limit

J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-001AMS		SampType: MS	TestCode: 8260W		Units: µg/L	Prep Date:		RunNo: 11609			
Client ID: MW-06D_10182007		Batch ID: R11609	Method: SW8260B			Analysis Date: 10/23/2007		SeqNo: 313760			
Instrument: MS02_12		ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	444	25.0	500	0	89	70	130				
Bromomethane	353	50.0	500	0	71	29	156				
Carbon tetrachloride	407	25.0	500	0	81	70	140				
Chlorobenzene	451	25.0	500	0	90	69	130				
Chloroethane	418	50.0	500	0	84	70	130				
Chloroform	466	25.0	500	0	93	70	130				
Chloromethane	359	50.0	500	0	72	58	135				
cis-1,2-Dichloroethene	445	25.0	500	0	89	48	151				
cis-1,3-Dichloropropene	432	25.0	500	0	86	70	130				
Dibromochloromethane	423	25.0	500	0	85	70	130				
Dibromomethane	454	25.0	500	0	91	70	130				
Dichlorodifluoromethane	182	50.0	500	0	36	68	134				
Ethylbenzene	456	25.0	500	0	91	70	130				
Hexachlorobutadiene	440	50.0	500	0	88	69	130				
Isopropylbenzene	465	25.0	500	0	93	70	130				
Methyl tert-butyl ether	466	25.0	500	0	93	70	130				
Methylene chloride	430	100	500	0	86	70	130				
n-Butylbenzene	430	25.0	500	0	86	69	130				
n-Propylbenzene	460	25.0	500	0	92	70	130				
Naphthalene	413	50.0	500	0	83	46	158				
p-Isopropyltoluene	398	25.0	500	0	80	70	130				
sec-Butylbenzene	461	25.0	500	0	92	70	130				
Styrene	483	25.0	500	0	97	57	133				
tert-Butylbenzene	446	25.0	500	0	89	70	130				
Tetrachloroethene	442	25.0	500	0	88	70	130				
Toluene	2000	25.0	500	0	399	70	130				
trans-1,2-Dichloroethene	428	25.0	500	0	86	70	130				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

**E** Value exceeds the instrument calibration range  
**R** RPD exceeds accepted precision limit  
**J** Analyte detected below the PQL  
**S** Spike Recovery outside accepted recovery limits

**Date:** 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-001AMS		SampType: MS	TestCode: 8260W		Units: µg/L	Prep Date:		RunNo: 11609				
Client ID: MW-06D_10182007		Batch ID: R11609	Method: SW8260B			Analysis Date: 10/23/2007		SeqNo: 313760				
Instrument: MS02_12		ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df									
Analyte	QC Sample Result		PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	trans-1,3-Dichloropropene		422	25.0	500	0	84	58	132			ES
	Trichloroethene		2390	25.0	500	0	478	42	167			
	Trichlorofluoromethane		424	50.0	500	0	85	70	131			
	Vinyl chloride		369	50.0	500	0	74	70	130			
	Xylenes (total)		1300	50.0	1500	0	87	65	132			
	Surr: 1,2-Dichloroethane-d4		505	5.00	500	0	101	75	134			
	Surr: 4-Bromofluorobenzene		494	5.00	500	0	99	75	125			
	Surr: Dibromofluoromethane		530	5.00	500	0	106	75	127			
	Surr: Toluene-d8		550	5.00	500	0	110	75	125			

## Qualifiers:

B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

## Date:

24-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-001AMSD		SampType: MSD	TestCode: 8260W		Units: µg/L	Prep Date:		RunNo: 11609			
Client ID: MW-06D_10182007	Batch ID: R11609	Method: SW8260B	Rtx-502.2, 3.0 df			Analysis Date: 10/23/2007		SeqNo: 313761			
Instrument: MS02_12	ColumnID: Rtx-502.2										
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	464	25.0	500	0	93	70	130	474	2.3	20	
1,1,1,1-Trichloroethane	432	25.0	500	0	86	70	130	414	4.4	20	
1,1,2,2-Tetrachloroethane	462	25.0	500	0	92	68	136	455	1.4	20	
1,1,2-Trichloroethane	490	25.0	500	0	98	68	133	484	1.3	20	
1,1-Dichloroethane	479	25.0	500	0	96	70	130	466	2.8	20	
1,1-Dichloroethene	376	25.0	500	0	75	70	135	399	5.8	20	
1,1-Dichloropropene	472	25.0	500	0	94	70	130	454	3.9	20	
1,2,3-Trichlorobenzene	488	50.0	500	0	98	70	130	462	5.6	20	
1,2,3-Trichloropropane	390	25.0	500	0	78	63	143	482	21	20	R
1,2,4-Trichlorobenzene	432	50.0	500	0	86	68	130	421	2.7	20	
1,2,4-Trimethylbenzene	468	25.0	500	0	94	64	135	447	4.5	20	
1,2-Dibromo-3-chloropropane	419	50.0	500	0	84	55	149	408	2.5	20	
1,2-Dibromoethane	446	25.0	500	0	89	70	130	456	2.3	20	
1,2-Dichlorobenzene	464	25.0	500	0	93	70	130	450	3.0	20	
1,2-Dichloroethane	455	25.0	500	0	91	70	130	448	1.7	20	
1,2-Dichloropropane	493	25.0	500	0	99	70	130	492	0.2	20	
1,3,5-Trimethylbenzene	482	25.0	500	0	96	70	130	453	6.3	20	
1,3-Dichlorobenzene	450	25.0	500	0	90	70	130	432	4.2	20	
1,3-Dichloropropane	460	25.0	500	0	92	70	130	460	0.1	20	
1,4-Dichlorobenzene	462	25.0	500	0	92	70	130	444	4.0	20	
2,2-Dichloropropane	252	25.0	500	0	50	70	130	250	1	20	S
2-Chlorotoluene	472	25.0	500	0	94	70	130	372	24	20	R
4-Chlorotoluene	414	25.0	500	0	83	70	130	477	14	20	
Benzene	462	25.0	500	0	92	70	132	461	0.2	20	
Bromobenzene	460	25.0	500	0	92	70	130	442	4.0	20	
Bromochloromethane	461	25.0	500	0	92	70	130	464	0.6	20	
Bromodichloromethane	444	25.0	500	0	89	70	130	441	0.6	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 NID Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

**Date:** 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-001AMSD		SampType: MSD	TestCode: 8260W		Units: µg/L	Prep Date:		RunNo: 11609			
Client ID: MW-06D_10182007		Batch ID: R11609	Method: SW8260B			Analysis Date: 10/23/2007		SeqNo: 313761			
Instrument: MS02_12		ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	434	25.0	500	0	87	70	130	444	2.3	20	
Bromomethane	394	50.0	500	0	79	29	156	353	11	24	
Carbon tetrachloride	415	25.0	500	0	83	70	140	407	1.9	20	
Chlorobenzene	452	25.0	500	0	90	69	130	451	0.2	20	
Chloroethane	442	50.0	500	0	88	70	130	418	5.7	20	
Chloroform	470	25.0	500	0	94	70	130	466	0.9	20	
Chloromethane	347	50.0	500	0	69	58	135	359	3.4	20	
cis-1,2-Dichloroethene	465	25.0	500	0	93	48	151	445	4.3	20	
cis-1,3-Dichloropropene	442	25.0	500	0	88	70	130	432	2.2	20	
Dibromochloromethane	423	25.0	500	0	85	70	130	423	0	20	
Dibromomethane	462	25.0	500	0	92	70	130	454	1.5	20	
Dichlorodifluoromethane	184	50.0	500	0	37	68	134	182	1.1	20	S
Ethylbenzene	462	25.0	500	0	92	70	130	456	1.4	20	
Hexachlorobutadiene	467	50.0	500	0	93	69	130	440	6.0	20	
Isopropylbenzene	496	25.0	500	0	99	70	130	465	6.4	20	
Methyl tert-butyl ether	478	25.0	500	0	96	70	130	466	2.6	20	
Methylene chloride	442	100	500	0	88	70	130	430	2.5	20	
n-Butylbenzene	461	25.0	500	0	92	69	130	430	7.1	20	
n-Propylbenzene	493	25.0	500	0	99	70	130	460	7.0	20	
Naphthalene	448	50.0	500	0	90	46	158	413	8.0	20	
p-Isopropyltoluene	424	25.0	500	0	85	70	130	398	6.2	20	
sec-Butylbenzene	484	25.0	500	0	97	70	130	461	5.0	20	
Styrene	494	25.0	500	0	99	57	133	483	2.4	20	
tert-Butylbenzene	469	25.0	500	0	94	70	130	446	4.9	20	
Tetrachloroethene	454	25.0	500	0	91	70	130	442	2.6	20	
Toluene	2020	25.0	500	0	403	70	130	2000	1.0	20	S
trans-1,2-Dichloroethene	436	25.0	500	0	87	70	130	428	2.0	20	

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-001AMSD		SampType: MSD	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo: 11609					
Client ID: MW-06D_10182007		Batch ID: R11609	Method: SW8260B		Analysis Date: 10/23/2007		SeqNo: 313761					
Instrument: MS02_12		ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df									
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene		416	25.0	500	0	83	58	132	422	1.3	25	
Trichloroethene		2410	25.0	500	0	482	42	167	2390	0.8	20	ES
Trichlorofluoromethane		423	50.0	500	0	85	70	131	424	0.2	20	
Vinyl chloride		364	50.0	500	0	73	70	130	369	1.2	20	
Xylenes (total)		1320	50.0	1500	0	88	65	132	1300	1.3	20	
Surr: 1,2-Dichloroethane-d4		503	5.00	500	0	101	75	134	0		0	
Surr: 4-Bromofluorobenzene		468	5.00	500	0	94	75	125	0		0	
Surr: Dibromofluoromethane		523	5.00	500	0	105	75	127	0		0	
Surr: Toluene-d8		547	5.00	500	0	109	75	125	0		0	

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11607		SampType: LCS		TestCode: 8260W		Units: µg/L		Prep Date:		RunNo: 11607	
Client ID: ZZZZZ		Batch ID: R11607		Method: SW8260B				Analysis Date: 10/22/2007		SeqNo: 313724	
Instrument: MS02_12		ColumnID: Rtx-502.2		Rtx-502.2, 3.0 df							
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	10.4	0.500	10	0	104	80	120				
1,1,1-Trichloroethane	9.37	0.500	10	0	94	80	127				
1,1,2,2-Tetrachloroethane	9.43	0.500	10	0	94	73	122				
1,1,2-Trichloroethane	10.2	0.500	10	0	102	80	120				
1,1-Dichloroethane	10.4	0.500	10	0	104	80	120				
1,1-Dichloroethene	11.2	0.500	10	0	112	77	126				
1,1-Dichloropropene	10.6	0.500	10	0	106	80	120				
1,2,3-Trichlorobenzene	9.95	1.00	10	0	100	75	123				
1,2,3-Trichloropropane	9.11	0.500	10	0	91	72	126				
1,2,4-Trichlorobenzene	10.1	1.00	10	0	101	73	123				
1,2,4-Trimethylbenzene	10.1	0.500	10	0	101	80	122				
1,2-Dibromo-3-chloropropane	9.40	1.00	10	0	94	71	124				
1,2-Dibromoethane	10.3	0.500	10	0	103	80	120				
1,2-Dichlorobenzene	10.1	0.500	10	0	101	80	120				
1,2-Dichloroethane	9.63	0.500	10	0	96	73	126				
1,2-Dichloropropane	10.3	0.500	10	0	103	80	120				
1,3,5-Trimethylbenzene	10.1	0.500	10	0	101	80	121				
1,3-Dichlorobenzene	10.1	0.500	10	0	101	80	120				
1,3-Dichloropropane	9.93	0.500	10	0	99	80	120				
1,4-Dichlorobenzene	10.0	0.500	10	0	100	80	120				
2,2-Dichloropropane	9.60	0.500	10	0	96	74	128				
2-Chlorotoluene	9.75	0.500	10	0	98	80	121				
4-Chlorotoluene	9.83	0.500	10	0	98	80	120				
Benzene	10.0	0.500	10	0	100	80	120				
Bromobenzene	9.90	0.500	10	0	99	80	120				
Bromochloromethane	9.86	0.500	10	0	99	80	120				
Bromodichloromethane	9.62	0.500	10	0	96	78	125				

Qualifiers: B Analyte detected in the associated Method Blank

NID Not Detected at the Practical Quantitation Limit (PQL)

U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range

R RPD exceeds accepted precision limit

J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

Date: 24-Oct-07

Page 1 of 18

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11607		SampType: LCS		TestCode: 8260W		Units: µg/L		Prep Date:		RunNo: 11607		
Client ID: ZZZZ		Batch ID: R11607		Method: SW8260B				Analysis Date: 10/22/2007		SeqNo: 313724		
Instrument: MS02_12		ColumnID: Rtx-502.2		Rtx-502.2, 3.0 df								
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HightLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform		9.64	0.500	10	0	96	72	126				
Bromomethane		9.41	1.00	10	0	94	42	156				
Carbon tetrachloride		8.99	0.500	10	0	90	74	137				
Chlorobenzene		9.92	0.500	10	0	99	80	120				
Chloroethane		8.35	1.00	10	0	84	75	124				
Chloroform		9.94	0.500	10	0	99	80	120				
Chloromethane		9.66	1.00	10	0	97	59	133				
cis-1,2-Dichloroethene		10.4	0.500	10	0	104	80	120				
cis-1,3-Dichloropropene		10.4	0.500	10	0	104	80	120				
Dibromochloromethane		9.45	0.500	10	0	94	75	123				
Dibromomethane		10.2	0.500	10	0	102	79	120				
Dichlorodifluoromethane		8.94	1.00	10	0	89	63	139				
Ethylbenzene		10.4	0.500	10	0	104	80	120				
Hexachlorobutadiene		10.6	1.00	10	0	106	77	120				
Isopropylbenzene		10.1	0.500	10	0	101	80	121				
Methyl tert-butyl ether		10.1	0.500	10	0	101	76	122				
Methylene chloride		9.76	2.00	10	0	98	78	120				
n-Butylbenzene		10.2	0.500	10	0	102	77	121				
n-Propylbenzene		10.3	0.500	10	0	103	80	122				
Naphthalene		9.39	1.00	10	0	94	67	134				
p-Isopropyltoluene		9.26	0.500	10	0	93	80	120				
sec-Butylbenzene		10.4	0.500	10	0	104	80	120				
Styrene		10.2	0.500	10	0	102	79	120				
tert-Butylbenzene		10.2	0.500	10	0	102	80	120				
Tetrachloroethene		10.0	0.500	10	0	100	80	120				
Toluene		10.4	0.500	10	0	104	80	120				
trans-1,2-Dichloroethene		10.2	0.500	10	0	102	80	120				

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
U Not Detected at the MDC or RL

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11607		SampType: LCS	TestCode: 8260W		Units: µg/L	Prep Date:		RunNo: 11607				
Client ID: ZZZZZ		Batch ID: R11607	Method: SW8260B			Analysis Date: 10/22/2007		SeqNo: 313724				
Instrument: MS02_12		ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df									
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene		9.99	0.500	10	0	100	73	121				B
Trichloroethene		10.1	0.500	10	0	101	80	120				
Trichlorofluoromethane		10.2	1.00	10	0	102	73	132				
Vinyl chloride		9.75	1.00	10	0	98	75	125				
Xylenes (total)		30.2	1.00	30	0	101	80	120				
Surr: 1,2-Dichloroethane-d4		9.40	0.100	10	0	94	75	134				
Surr: 4-Bromofluorobenzene		10.0	0.100	10	0	100	75	125				
Surr: Dibromofluoromethane		10.3	0.100	10	0	103	75	127				
Surr: Toluene-d8		10.8	0.100	10	0	108	75	125				

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11609		SampType: LCS		TestCode: 8260W		Units: µg/L		Prep Date:		RunNo: 11609	
Client ID: ZZZZZ		Batch ID: R11609		Method: SW8260B				Analysis Date: 10/23/2007		SeqNo: 313759	
Instrument: MS02_12		ColumnID: Rtx-502.2		Rtx-502.2, 3.0 df							
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	9.38	0.500	10	0	94	80	120				
1,1,1-Trichloroethane	8.29	0.500	10	0	83	80	127				
1,1,2,2-Tetrachloroethane	8.63	0.500	10	0	86	73	122				
1,1,2-Trichloroethane	9.05	0.500	10	0	90	80	120				
1,1-Dichloroethane	9.10	0.500	10	0	91	80	120				
1,1-Dichloroethene	9.67	0.500	10	0	97	77	126				
1,1-Dichloropropene	9.26	0.500	10	0	93	80	120				
1,2,3-Trichlorobenzene	8.91	1.00	10	0	89	75	123				
1,2,3-Trichloropropane	9.93	0.500	10	0	99	72	126				
1,2,4-Trichlorobenzene	8.98	1.00	10	0	90	73	123				
1,2,4-Trimethylbenzene	9.00	0.500	10	0	90	80	122				
1,2-Dibromo-3-chloropropane	7.83	1.00	10	0	78	71	124				
1,2-Dibromoethane	9.15	0.500	10	0	92	80	120				
1,2-Dichlorobenzene	9.18	0.500	10	0	92	80	120				
1,2-Dichloroethane	8.70	0.500	10	0	87	73	126				
1,2-Dichloropropene	9.62	0.500	10	0	96	80	120				
1,3,5-Trimethylbenzene	8.97	0.500	10	0	90	80	121				
1,3-Dichlorobenzene	9.17	0.500	10	0	92	80	120				
1,3-Dichloropropane	9.33	0.500	10	0	93	80	120				
1,4-Dichlorobenzene	9.13	0.500	10	0	91	80	120				
2,2-Dichloropropane	8.64	0.500	10	0	86	74	128				
2-Chlorotoluene	9.37	0.500	10	0	94	80	121				
4-Chlorotoluene	8.27	0.500	10	0	83	80	120				
Benzene	8.97	0.500	10	0	90	80	120				
Bromobenzene	8.95	0.500	10	0	90	80	120				
Bromochloromethane	8.78	0.500	10	0	88	80	120				
Bromodichloromethane	8.61	0.500	10	0	86	78	125				

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

**Method:** SW8260B  
**Work Order:** 0710127  
**Project:** BMS-Krutulis

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11609		Sample Type: LCS	Test Code: 8260W	Units: µg/L	Prep Date:		RunNo: 11609				
Client ID: ZZZZZ	Batch ID: R11609	Method: SW8260B			Analysis Date: 10/23/2007		SeqNo: 313759				
Instrument: MS02_12	ColumnID: Rtx-502.2		Rtx-502.2, 3.0 df								
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	8.47	0.500	10	0	85	72	126				
Bromomethane	9.23	1.00	10	0	92	42	156				
Carbon tetrachloride	8.16	0.500	10	0	82	74	137				
Chlorobenzene	9.01	0.500	10	0	90	80	120				
Chloroethane	10.2	1.00	10	0	102	75	124				
Chloroform	8.80	0.500	10	0	88	80	120				
Chloromethane	9.56	1.00	10	0	96	59	133				
cis-1,2-Dichloroethene	9.09	0.500	10	0	91	80	120				
cis-1,3-Dichloropropene	9.17	0.500	10	0	92	80	120				
Dibromochloromethane	8.46	0.500	10	0	85	75	123				
Dibromomethane	9.10	0.500	10	0	91	79	120				
Dichlorodifluoromethane	8.35	1.00	10	0	84	63	139				
Ethylbenzene	9.48	0.500	10	0	95	80	120				
Hexachlorobutadiene	9.20	1.00	10	0	92	77	120				
Isopropylbenzene	9.13	0.500	10	0	91	80	121				
Methyl tert-butyl ether	9.01	0.500	10	0	90	76	122				
Methylene chloride	9.00	2.00	10	0	90	78	120				
n-Butylbenzene	9.21	0.500	10	0	92	77	121				
n-Propylbenzene	9.49	0.500	10	0	95	80	122				
Naphthalene	8.55	1.00	10	0	86	67	134				
p-Isopropyltoluene	8.27	0.500	10	0	83	80	120				
sec-Butylbenzene	9.28	0.500	10	0	93	80	120				
Styrene	9.36	0.500	10	0	94	79	120				
tert-Butylbenzene	9.01	0.500	10	0	90	80	120				
Tetrachloroethene	9.20	0.500	10	0	92	80	120				
Toluene	9.30	0.500	10	0	93	80	120				
trans-1,2-Dichloroethene	9.15	0.500	10	0	92	80	120				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

**E** Value exceeds the instrument calibration range  
**R** RPD exceeds accepted precision limit

**J** Analyte detected below the PQL  
**S** Spike Recovery outside accepted recovery limits

**Date:** 24-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-11609		SampType: LCS	TestCode: 8260W		Units: µg/L	Prep Date:		RunNo: 11609				
Client ID: ZZZZZ		Batch ID: R11609	Method: SW8260B			Analysis Date: 10/23/2007		SeqNo: 313759				
Instrument: MS02_12		ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df									
Analyte		QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene		9.08	0.500	10	0	91	73	121				
Trichloroethene		9.37	0.500	10	0	94	80	120				
Trichlorofluoromethane		9.67	1.00	10	0	97	73	132				
Vinyl chloride		9.40	1.00	10	0	94	75	125				
Xylenes (total)		27.3	1.00	30	0	91	80	120				
Surr: 1,2-Dichloroethane-d4		9.81	0.100	10	0	98	75	134				
Surr: 4-Bromofluorobenzene		9.80	0.100	10	0	98	75	125				
Surr: Dibromofluoromethane		10.1	0.100	10	0	101	75	127				
Surr: Toluene-d8		10.8	0.100	10	0	108	75	125				

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11607	Sample Type: MBLK	Test Code: 8260W	Units: µg/L	Prep Date:	Run No: 11607
Client ID: ZZZZ	Batch ID: R11607	Method: SW8260B		Analysis Date: 10/22/2007	Seq No: 313725
Instrument: MS02_12	Column ID: Rtx-502.2	Rtx-502.2, 3.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
1,1,1,2-Tetrachloroethane	ND	0.500			
1,1,1-Trichloroethane	ND	0.500			
1,1,2,2-Tetrachloroethane	ND	0.500			
1,1,2-Trichloroethane	ND	0.500			
1,1-Dichloroethane	ND	0.500			
1,1-Dichloroethene	ND	0.500			
1,1-Dichloropropene	ND	0.500			
1,2,3-Trichlorobenzene	ND	1.00			
1,2,3-Trichloropropane	ND	0.500			
1,2,4-Trichlorobenzene	ND	1.00			
1,2,4-Trimethylbenzene	ND	0.500			
1,2-Dibromo-3-chloropropane	ND	1.00			
1,2-Dibromoethane	ND	0.500			
1,2-Dichlorobenzene	ND	0.500			
1,2-Dichloroethane	ND	0.500			
1,2-Dichloropropane	ND	0.500			
1,3,5-Trimethylbenzene	ND	0.500			
1,3-Dichlorobenzene	ND	0.500			
1,3-Dichloropropane	ND	0.500			
1,4-Dichlorobenzene	ND	0.500			
2,2-Dichloropropane	ND	0.500			
2-Chlorotoluene	ND	0.500			
4-Chlorotoluene	ND	0.500			
Benzene	ND	0.500			
Bromobenzene	ND	0.500			
Bromochloromethane	ND	0.500			
Bromodichloromethane	ND	0.500			

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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# ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11607    SampType: MBLK    TestCode: 8260W    Units: µg/L    Prep Date:    RunNo: 11607  
 Client ID: ZZZZ    Batch ID: R11607    Method: SW8260B    Analysis Date: 10/22/2007    SeqNo: 313725  
 Instrument: MS02\_12    ColumnID: Rtx-502.2    Rtx-502.2, 3.0 df

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoforn	ND	0.500									
Bromomethane	ND	1.00									
Carbon tetrachloride	ND	0.500									
Chlorobenzene	ND	0.500									
Chloroethane	ND	1.00									
Chloroform	ND	0.500									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Dibromochloromethane	ND	0.500									
Dibromomethane	ND	0.500									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	0.500									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	0.500									
Methyl tert-butyl ether	ND	0.500									
Methylene chloride	ND	2.00									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
Naphthalene	ND	1.00									
p-Isopropyltoluene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank    E Value exceeds the instrument calibration range    J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL)    R RPD exceeds accepted precision limit    S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11607	SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:	RunNo: 11607
Client ID: ZZZZZ	Batch ID: R11607	Method: SW8260B		Analysis Date: 10/22/2007	SeqNo: 313725
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
trans-1,3-Dichloropropene	ND	0.500			
Trichloroethene	0.650	0.500			
Trichlorofluoromethane	ND	1.00			
Vinyl chloride	ND	1.00			
Xylenes (total)	ND	1.00			
Surr: 1,2-Dichloroethane-d4	9.90	0.100	10	0	75 134
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	75 125
Surr: Dibromofluoromethane	10.1	0.100	10	0	75 127
Surr: Toluene-d8	10.8	0.100	10	0	75 125
			%REC	LowLimit	HighLimit
				RPD Ref Val	%RPD
					RPDLimit
					Qual

Qualifiers: B Analyte detected in the associated Method Blank  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
 R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
 S Spike Recovery outside accepted recovery limits

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11609		SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo: 11609				
Client ID: ZZZZZ	Batch ID: R11609	Method: SW8260B			Analysis Date: 10/23/2007		SeqNo: 313762				
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df									
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	0.500									
1,1,1-Trichloroethane	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.500									
1,1,2-Trichloroethane	ND	0.500									
1,1-Dichloroethane	ND	0.500									
1,1-Dichloroethene	ND	0.500									
1,1-Dichloropropene	ND	0.500									
1,2,3-Trichlorobenzene	ND	1.00									
1,2,3-Trichloropropane	ND	0.500									
1,2,4-Trichlorobenzene	ND	1.00									
1,2,4-Trimethylbenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2-Dibromoethane	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dichloroethane	ND	0.500									
1,2-Dichloropropane	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,3-Dichloropropane	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
2,2-Dichloropropane	ND	0.500									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
Benzene	ND	0.500									
Bromobenzene	ND	0.500									
Bromochloromethane	ND	0.500									
Bromodichloromethane	ND	0.500									

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

Date: 24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11609	SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:	RunNo: 11609						
Client ID: ZZZZZ	Batch ID: R11609	Method: SW8260B		Analysis Date: 10/23/2007	SeqNo: 313762						
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df									
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	0.500									
Bromomethane	ND	1.00									
Carbon tetrachloride	ND	0.500									
Chlorobenzene	ND	0.500									
Chloroethane	ND	1.00									
Chloroform	ND	0.500									
Chloromethane	ND	1.00									
cis-1,2-Dichloroethene	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Dibromochloromethane	ND	0.500									
Dibromomethane	ND	0.500									
Dichlorodifluoromethane	ND	1.00									
Ethylbenzene	ND	0.500									
Hexachlorobutadiene	ND	1.00									
Isopropylbenzene	ND	0.500									
Methyl tert-butyl ether	ND	0.500									
Methylene chloride	ND	2.00									
n-Butylbenzene	ND	0.500									
n-Propylbenzene	ND	0.500									
Naphthalene	ND	1.00									
p-Isopropyltoluene	ND	0.500									
sec-Butylbenzene	ND	0.500									
Styrene	ND	0.500									
tert-Butylbenzene	ND	0.500									
Tetrachloroethene	ND	0.500									
Toluene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				

Date:

24-Oct-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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## ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-11609	SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:	RunNo: 11609
Client ID: ZZZZZ	Batch ID: R11609	Method: SW8260B		Analysis Date: 10/23/2007	SeqNo: 313762
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
trans-1,3-Dichloropropene	ND	0.500			
Trichloroethene	ND	0.500			
Trichlorofluoromethane	ND	1.00			
Vinyl chloride	ND	1.00			
Xylenes (total)	ND	1.00			
Surr: 1,2-Dichloroethane-d4	10.2	0.100	10	0	75 134
Surr: 4-Bromofluorobenzene	10.3	0.100	10	0	75 125
Surr: Dibromofluoromethane	10.2	0.100	10	0	75 127
Surr: Toluene-d8	11.0	0.100	10	0	75 125

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
U Not Detected at the MDC or RL

Date: 24-Oct-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: GCOS 17E

ColumnID: Alumina

Revision: 10/23/07 16:03

Col Type:

Sample Size: 32 mL

%Moisture:

TestCode 8015W RSK175

Lab ID: 0710127-001B

Client Sample ID: MW-06D\_10182007

Collection Date: 10/18/07 10:40

Date Received: 10/18/07 19:09

PrepDate: 10/22/07 14:39

BatchNo: 6427/R11597

FileID: 1-SAMP-F:\Osioc07\102311.r

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
DISSOLVED GASES BY GC/FID				8015M/RSK175M		(RSK 175)
Ethane	ND		0.0042	mg/L	1	10/23/07 11:41
Ethene	ND		0.0042	mg/L	1	10/23/07 11:41
Methane	0.013		0.0021	mg/L	1	10/23/07 11:41

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: GCOS 17E

ColumnID: Alumina

Revision: 10/23/07 16:03

Col Type:

Lab ID: 0710127-002B

Client Sample ID: MW-06S\_10182007

Collection Date: 10/18/07 11:38

Date Received: 10/18/07 19:09

PrepDate: 10/22/07 14:39

BatchNo: 6427/R11597

FileID: I-SAMP-F:\Osioc07\102312.r

Sample Size: 32 mL

%Moisture:

TestCode 8015W RSK175

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
---------	--------	------	-----	-------	----	---------------

### DISSOLVED GASES BY GC/FID

8015M/RSK175M

(RSK 175)

Ethane	ND	0.0042	mg/L	1	10/23/07 11:53
Ethene	ND	0.0042	mg/L	1	10/23/07 11:53
Methane	0.0028	0.0021	mg/L	1	10/23/07 11:53

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPID exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: GCOS 17E

ColumnID: Alumina

Revision: 10/23/07 16:03

Col Type:

Sample Size: 33 mL

%Moisture:

TestCode 8015W RSK175

Lab ID: 0710127-004B

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate: 10/22/07 14:39

BatchNo: 6427/R11597

FileID: 1-SAMP-F:\Osioc07\102314.r

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
DISSOLVED GASES BY GC/FID				8015M/RSK175M	(RSK 175)	
Ethane	ND	0.0041		mg/L	1	10/23/07 12:29
Ethene	0.0054	0.0041		mg/L	1	10/23/07 12:29
Methane	0.012	0.0021		mg/L	1	10/23/07 12:29

Qualifiers:	* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S Spike Recovery outside accepted recovery limits



# Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: GCOS 17E

ColumnID: Alumina

Revision: 10/23/07 16:03

Col Type:

Sample Size: 32 mL

%Moisture:

TestCode 8015W RSK175

Lab ID: 0710127-005B

Client Sample ID: MW-03D\_10182007

Collection Date: 10/18/07 15:25

Date Received: 10/18/07 19:09

PrepDate: 10/22/07 14:39

BatchNo: 6427/R11597

FileID: I-SAMP-F:\Osioc07\102316.r

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
DISSOLVED GASES BY GC/FID				8015M/RSK175M		(RSK 175)
Ethane	ND	0.021		mg/L	5	10/23/07 12:52
Ethene	ND	0.021		mg/L	5	10/23/07 12:52
Methane	0.27	0.011		mg/L	5	10/23/07 12:52

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

# Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: 8015M/RSK175M  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-6427	Sample Type: LCS	TestCode: 8015W_RSK1	Units: mg/L	Prep Date: 10/22/07	RunNo: 11596
Client ID: ZZZZZ	Batch ID: 6427	Method: 8015M/RSK1	(RSK 175)	Analysis Date: 10/22/07	SeqNo: 313537
Instrument: GCOS_17E	ColumnID: Alumina	J&W Alumina			
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Ethane	0.0388	0.0044	0.0395	0	
Ethene	0.0304	0.0044	0.0373	0	
Methane	0.0194	0.0022	0.0213	0	
		%REC	LowLimit	HighLimit	RPD Ref Val
			18	138	
			50	130	
			30	130	
		%RPD	RPDLimit	Qual	

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
U Not Detected at the MDC or RL

Date: 25-Oct-07 Page 2 of 5

# Life Science Laboratories, Inc.

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## ANALYTICAL QC SUMMARY REPORT

**Method:** 8015M/RSK175M  
**Work Order:** 0710127  
**Project:** BMS-Krutulis

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCSD-6427	Sample Type: LCSD	TestCode: 8015W_RSK1	Units: mg/L	Prep Date: 10/22/07	RunNo: 11596						
Client ID: ZZZZZ	Batch ID: 6427	Method: 8015M/RSK1 (RSK 175)		Analysis Date: 10/22/07	SeqNo: 313538						
Instrument: GCOS_17E	ColumnID: Alumina	J&W Alumina									
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethane	0.0376	0.0044	0.0395	0	95	18	138	0.0388	2.9	50	
Ethene	0.0293	0.0044	0.0373	0	79	50	130	0.0304	3.6	50	
Methane	0.0191	0.0022	0.0213	0	90	30	130	0.0194	1.9	50	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
U Not Detected at the MDC or RL

**Date:** 25-Oct-07

# Life Science Laboratories, Inc.

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## ANALYTICAL QC SUMMARY REPORT

Method: 8015M/RSK175M  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-6427	Samp Type: MBLK	TestCode: 8015W_RSK1	Units: mg/L	Prep Date: 10/22/07	RunNo: 11596					
Client ID: ZZZZZ	Batch ID: 6427	Method: 8015M/RSK1 (RSK 175)		Analysis Date: 10/22/07	SeqNo: 313536					
Instrument: GCOS_17E	ColumnID: Alumina	J&W Alumina								
Analyte	QC Sample Result	PQL	SPK Added	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethane	ND	0.0042								
Ethene	ND	0.0042								
Methane	ND	0.0021								

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 25-Oct-07



# Life Science Laboratories, Inc.

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## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: IC

ColumnID:

Revision: 10/23/07 14:19

Col Type:

Sample Size: NA

%Moisture:

TestCode 300.0W

Lab ID: 0710127-004D

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11595

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
INORGANIC ANIONS BY IC			EPA 300.0			
Chloride	6.1		1.0	mg/L	1	10/19/07 10:52
Nitrate (as N)	ND		0.020	mg/L	1	10/19/07 10:52
Nitrite (as N)	ND		0.020	mg/L	1	10/19/07 10:52
Orthophosphate (as P)	ND		0.050	mg/L	1	10/19/07 10:52
Sulfate (as SO4)	38		1.0	mg/L	1	10/19/07 10:52

Qualifiers: \* Value exceeds Maximum Contaminant Level  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits



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## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: DENVER APX-200

Sample Size: NA

ColumnID:

%Moisture:

Revision: 10/23/07 13:37

TestCode TDS160.1

Col Type:

Lab ID: 0710127-004D

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11593

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS				EPA 160.1		
Total Dissolved Solids (Residue, Filterable)	29000	10		mg/L	1	10/22/07 15:30

### Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits





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## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: pH meter

ColumnID:

Revision: 10/20/07 13:11

Col Type:

Sample Size: NA

%Moisture:

TestCode ALK310.1

Lab ID: 0710127-004E

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11566

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CaCO <sub>3</sub>				EPA 310.1		
Alkalinity, as CaCO <sub>3</sub>	160	10		mg/L	1	10/20/07

### Qualifiers:

\* Value exceeds Maximum Contaminant Level  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits



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## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: TOC-5000A

ColumnID:

Revision: 11/02/07 9:50

Col Type:

Sample Size: NA

%Moisture:

TestCode TOC415.1

Lab ID: 0710127-004F

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11735

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
TOTAL ORGANIC CARBON				EPA 415.1		
Total Organic Carbon	1.3	1.0		mg/L	1	11/01/07 16:01

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits



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## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: Buret Type A

ColumnID:

Revision: 10/25/07 16:22

Col Type:

Sample Size: NA

%Moisture:

TestCode S376.1

Lab ID: 0710127-004G

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate:

BatchNo: R11631

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
SULFIDE				EPA 376.1		
Sulfide	ND		1.0	mg/L	1	10/25/07 13:00

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

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# ANALYTICAL QC SUMMARY REPORT

Method: EPA 300.0

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-004DMS	SampType: MS	TestCode: 300.0W	Units: mg/L	Prep Date:	RunNo: 11595
Client ID: MW-03S_10182007	Batch ID: R11595	Method: EPA 300.0		Analysis Date: 10/19/2007	SeqNo: 313470
Instrument: ColumnID:					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	16.5	2.0	10	6.07	104	50	125				
Nitrate (as N)	0.989	0.040	1	0	99	69	113				
Nitrite (as N)	1.02	0.040	1	0	102	66	120				
Orthophosphate (as P)	1.58	0.10	1	0.0256	156	65	108				S
Sulfate (as SO4)	47.6	2.0	10	37.6	100	75	125				

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				

Date: 02-Nov-07

# Life Science Laboratories, Inc.

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## ANALYTICAL QC SUMMARY REPORT

Method: EPA 300.0

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-004DMSD	SampType: MSD	TestCode: 300.0W	Units: mg/L	Prep Date:	RunNo: 11595
Client ID: MW-03S_10182007	Batch ID: R11595	Method: EPA 300.0		Analysis Date: 10/19/2007	SeqNo: 313471
Instrument: ColumnID:					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	16.6	2.0	10	6.07	105	50	125	16.5	1	17	
Nitrate (as N)	0.982	0.040	1	0	98	69	113	0.989	1	15	
Nitrite (as N)	1.02	0.040	1	0	102	66	120	1.02	0	17	
Orthophosphate (as P)	1.58	0.10	1	0.0256	156	65	108	1.58	0	15	S
Sulfate (as SO4)	47.9	2.0	10	37.6	103	75	125	47.6	1	15	

**Qualifiers:** B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

**Date:** 02-Nov-07

# Life Science Laboratories, Inc.

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CLIENT: O'Brien & Gere Engineers, Inc.

## ANALYTICAL QC SUMMARY REPORT

Method: EPA 415.1

Work Order: 0710127

Project: BMS-Krutulis

Sample ID: 0710127-004FMS	Samp Type: MS	TestCode: TOC415.1	Units: mg/L	Prep Date:	RunNo: 11735						
Client ID: MW-03S_10182007	Batch ID: R11735	Method: EPA 415.1		Analysis Date: 11/1/2007	SeqNo: 317064						
Instrument:	ColumnID:										
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Carbon	11.4	1.0	10	1.29	101	75	125				

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				

Date: 02-Nov-07

# Life Science Laboratories, Inc.

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## ANALYTICAL QC SUMMARY REPORT

Method: EPA 415.1

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: 0710127-004FMSD	SampType: MSD	TestCode: TOC415.1	Units: mg/L	Prep Date:	RunNo: 11735
Client ID: MW-03S_10182007	Batch ID: R11735	Method: EPA 415.1		Analysis Date: 11/1/2007	SeqNo: 317065
Instrument:	ColumnID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC
Total Organic Carbon	11.3	1.0	10	1.29	100
					LowLimit
					HighLimit
					RPD Ref Val
					%RPD
					RPDLimit
					Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				
Date:		02-Nov-07				

## ANALYTICAL QC SUMMARY REPORT

**5000 Brittonfield Parkway, Suite 200**

**Method:** EPA 310.1

Project: BMS-Krutulis

Sample ID:	0710127-004EDUP	SampType:	DUP	TestCode:	ALK310.1	Units:	mg/L	Prep Date:		RunNo:	11566			
Client ID:	MW-03S_10182007	Batch ID:	R11566	Method:	EPA 310.1			Analysis Date:	10/20/2007	SeqNo:	313067			
Instrument:		ColumnID:												
Analyte		QC Sample Result	158	PQL	SPK Added	Parent Sample Result		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, as CaCO3				10							156	1.3	10	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analytic detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)		R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL					

Page 8 of 19



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# ANALYTICAL QC SUMMARY REPORT

**Method:** EPA 300.0  
**Work Order:** 0710127  
**Project:** BMS-Krutulis

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCS-R11595	SampType: LCS	TestCode: 300.0W	Units: mg/L	Prep Date:	RunNo: 11595
Client ID: ZZZZZ	Batch ID: R11595	Method: EPA 300.0		Analysis Date: 10/19/2007	SeqNo: 313478
Instrument:	ColumnID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Chloride	4.79	1.0	5	0	96	85	115		
Nitrate (as N)	0.470	0.020	0.5	0	94	85	115		
Nitrite (as N)	0.491	0.020	0.5	0	98	85	115		
Orthophosphate (as P)	0.462	0.050	0.5	0	92	85	115		
Sulfate (as SO4)	4.63	1.0	5	0	93	85	115		

**Qualifiers:** B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

**Date:** 02-Nov-07

**Life Science Laboratories, Inc.**  
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# ANALYTICAL QC SUMMARY REPORT

**Method:** EPA 160.1  
**Work Order:** 0710127  
**Project:** BMS-Krutulis

**CLIENT:** O'Brien & Gere Engineers, Inc.

Sample ID: LCS-R11593	SampType: LCS	TestCode: TDS160.1	Units: mg/L	Prep Date:	RunNo: 11593
Client ID: ZZZZZ	Batch ID: R11593	Method: EPA 160.1		Analysis Date: 10/22/2007	SeqNo: 313451
Instrument:	ColumnID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC
Total Dissolved Solids (Residue, Filterable)	500	10	500	0	100
				LowLimit	HighLimit
				90	110
				RPD Ref Val	%RPD
					RPDLimit
					Qual

**Qualifiers:** B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

**Date:** 02-Nov-07

# Life Science Laboratories, Inc.

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CLIENT: O'Brien & Gere Engineers, Inc.

## ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1

Work Order: 0710127

Project: BMS-Krutulis

Sample ID: LCS-R11566	SampType: LCS	TestCode: ALK310.1	Units: mg/L	Prep Date:	RunNo: 11566
Client ID: ZZZZZ	Batch ID: R11566	Method: EPA 310.1		Analysis Date: 10/20/2007	SeqNo: 313052
Instrument:	ColumnID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC
Alkalinity, as CaCO3	48.0	10	50	0	96
					LowLimit HighLimit RPD Ref Val
					90 110
					%RPD RPDLimit Qual

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 02-Nov-07

# Life Science Laboratories, Inc.

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## ANALYTICAL QC SUMMARY REPORT

Method: EPA 376.1

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-R11631	SampType: LCS	TestCode: S376.1	Units: mg/L	Prep Date:	RunNo: 11631
Client ID: ZZZZZ	Batch ID: R11631	Method: EPA 376.1		Analysis Date: 10/25/2007	SeqNo: 314280
Instrument:	ColumnID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Sulfide	2.50	1.0	2.5	0	
		%REC	LowLimit	HighLimit	RPD Ref Val
		100	85	115	%RPD RPDLimit Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				
Date:		02-Nov-07				Page 10 of 19

## ANALYTICAL QC SUMMARY REPORT

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

**CLIENT:** O'Brien & Gere Engineers, Inc.

**Method:** EPA 376.1

**Work Order:** 0710127

Project: BMS-Krutulis

Sample ID: LCSD-R11631	Sample Type: LCSD	Test Code: S376.1	Units: mg/L	Prep Date:	Run No: 11631
Client ID: ZZZZZ	Batch ID: R11631	Method: EPA 376.1		Analysis Date: 10/25/2007	Seq No: 314281
Instrument:	Column ID:				
Analyte	QC Sample Result	PQL	SPK Added	%REC	%RPD
	2.40	1.0	2.5	96	4.1
Sulfide			0	85	20
			Parent Sample Result	High Limit	RPD Limit
				115	2.5

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)		R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL					

**Date:** 02-Nov-07 Page 11 of 19

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: EPA 415.1

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-R11735	Sample Type: LCS	Test Code: TOC415.1	Units: mg/L	Prep Date:	Run No: 11735
Client ID: ZZZZZ	Batch ID: R11735	Method: EPA 415.1		Analysis Date: 11/1/2007	Seq No: 317045
Instrument:	Column ID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC
Total Organic Carbon	10.2	1.0	10	0	102
					LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
					90 110

Qualifiers: B Analyte detected in the associated Method Blank

ND Not Detected at the Practical Quantitation Limit (PQL)

U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range

R RPD exceeds accepted precision limit

J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

Date: 02-Nov-07

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# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

CLIENT: O'Brien & Gere Engineers, Inc.

## ANALYTICAL QC SUMMARY REPORT

Method: EPA 300.0

Work Order: 0710127

Project: BMS-Krutulis

Sample ID: MB-R11595	Sample Type: MBLK	Test Code: 300.0W	Units: mg/L	Prep Date:	Run No: 11595
Client ID: ZZZZZ	Batch ID: R11595	Method: EPA 300.0		Analysis Date: 10/19/2007	Seq No: 313477
Instrument:	Column ID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

Chloride	ND	1.0							
Nitrate (as N)	ND	0.020							
Nitrite (as N)	ND	0.020							
Orthophosphate (as P)	ND	0.050							
Sulfate (as SO4)	ND	1.0							

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				

Date: 02-Nov-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: EPA 160.1

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-R11593	Sample Type: MBLK	Test Code: TDS160.1	Units: mg/L	Prep Date:	Run No: 11593
Client ID: ZZZZZ	Batch ID: R11593	Method: EPA 160.1		Analysis Date: 10/22/2007	Seq No: 313450
Instrument:	Column ID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	

Total Dissolved Solids (Residue, Filterable) ND 10

%REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 02-Nov-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-R11566	SampType: MBLK	TestCode: ALK310.1	Units: mg/L	Prep Date:	RunNo: 11566
Client ID: ZZZZZ	Batch ID: R11566	Method: EPA 310.1		Analysis Date: 10/20/2007	SeqNo: 313051
Instrument:	ColumnID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	
Alkalinity, as CaCO3	ND				

10

Qualifiers: B Analyte detected in the associated Method Blank  
ND Not Detected at the Practical Quantitation Limit (PQL)  
U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range  
R RPD exceeds accepted precision limit

J Analyte detected below the PQL  
S Spike Recovery outside accepted recovery limits

Date: 02-Nov-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: EPA 376.1

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-R11631	SampType: MBLK	TestCode: S376.1	Units: mg/L	Prep Date:	RunNo: 11631
Client ID: ZZZZZ	Batch ID: R11631	Method: EPA 376.1		Analysis Date: 10/25/2007	SeqNo: 314279
Instrument:	ColumnID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC
Sulfide	ND				
				LowLimit	HighLimit
				RPD Ref Val	%RPD
					RPDLimit
					Qual

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				

Date: 02-Nov-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: EPA 415.1

Work Order: 0710127

Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-R11735	SampType: MBLK	TestCode: TOC415.1	Units: mg/L	Prep Date:	RunNo: 11735
Client ID: ZZZZZ	Batch ID: R11735	Method: EPA 415.1		Analysis Date: 11/1/2007	SeqNo: 317044
Instrument:	ColumnID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Organic Carbon	ND	1.0			

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				

Date: 02-Nov-07



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Engineers, Inc.

Project: BMS-Krutulis

W Order: 0710127

Matrix: WATER

Inst. ID: ICAP 61E

ColumnID:

Revision: 10/31/07 9:14

Col Type:

Sample Size: 50 mL

%Moisture:

TestCode 6010W05

Lab ID: 0710127-004C

Client Sample ID: MW-03S\_10182007

Collection Date: 10/18/07 14:55

Date Received: 10/18/07 19:09

PrepDate: 10/24/07 0:00

BatchNo: 6441/R11693

FileID: 1-SAMP-31826

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B		(SW3005A)
Calcium	52	1.0		mg/L	1	10/26/07 13:30
Iron	3.3	0.050		mg/L	1	10/26/07 13:30
Magnesium	19	1.0		mg/L	1	10/26/07 13:30
Manganese	0.071	0.050		mg/L	1	10/26/07 13:30
Potassium	ND	5.0		mg/L	1	10/26/07 13:30
Sodium	3.0	1.0		mg/L	1	10/26/07 13:30

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW6010B  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: LCS-6441	Sample Type: LCS	TestCode: 6010W05	Units: mg/L	Prep Date: 10/24/07	RunNo: 11693						
Client ID: ZZZZZ	Batch ID: 6441	Method: SW6010B	(SW3005A)	Analysis Date: 10/26/07	SeqNo: 316007						
Instrument:	ColumnID:										
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	8.97	1.0	10	0	90	85	115				
Iron	0.934	0.050	1	0	93	85	115				
Magnesium	9.18	1.0	10	0	92	85	115				
Manganese	0.185	0.050	0.2	0	92	85	115				
Potassium	9.41	5.0	10	0	94	85	115				
Sodium	9.50	1.0	10	0	95	85	115				

Qualifiers: B Analyte detected in the associated Method Blank E Value exceeds the instrument calibration range J Analyte detected below the PQL  
 ND Not Detected at the Practical Quantitation Limit (PQL) R RPD exceeds accepted precision limit S Spike Recovery outside accepted recovery limits  
 U Not Detected at the MDC or RL

Date: 01-Nov-07

# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

## ANALYTICAL QC SUMMARY REPORT

Method: SW6010B  
Work Order: 0710127  
Project: BMS-Krutulis

CLIENT: O'Brien & Gere Engineers, Inc.

Sample ID: MB-6441	Sample Type: MBLK	Test Code: 6010W05	Units: mg/L	Prep Date: 10/24/07	Run No: 11693
Client ID: ZZZZZ	Batch ID: 6441	Method: SW6010B	(SW3005A)	Analysis Date: 10/26/07	Seq No: 316006
Instrument:	Column ID:				
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC LowLimit HighLimit RPD Ref Val %RPD RPD Limit Qual
Calcium	ND	1.0			
Iron	ND	0.050			
Magnesium	ND	1.0			
Manganese	ND	0.050			
Potassium	ND	5.0			
Sodium	ND	1.0			

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
	ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
	U	Not Detected at the MDC or RL				

Date: 01-Nov-07



# Chain of Custody

Turnaround Time Required: \_\_\_\_\_  
Routine \_\_\_\_\_  
Rush (Specify) \_\_\_\_\_

Cooler Temperature: 3.6°C on ice

Comments: \_\_\_\_\_

Original - Laboratory  
Copy - Client

# Life Science Laboratories, Inc.

## Sample Receipt Checklist

Client Name: OBG-MS

Date and Time Received: 10/18/2007 7:09:00 PM

Work Order Number 0710127

Received by: ads

Checklist completed by:

Initials

Date

10/22/07

Reviewed by:

Initials

Date

ms

10/22/07

Matrix:

Carrier name: Hand Delivered

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

pH	Preservative	pH Acceptable
>12	NaOH	Yes <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/>
<2	HNO3	Yes <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/>
<2	HSO4	Yes <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/>
<2	1:1 HCL	Yes <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/>
5-9	Pest/PCBs (608/8081)	Yes <input type="checkbox"/> N <input type="checkbox"/> NA <input checked="" type="checkbox"/>

Sample ID

Volume of Preservative added in Lab.

Comments:

10/22 @ 9 AM: per Paul Freyer-request 48 hour TAT on 8260.

Corrective Action::



# CASE FILE FORM

## PROGRAM INFORMATION

CLIENT: \_\_\_\_\_ DIV. \_\_\_\_\_ REF. No. \_\_\_\_\_

PROGRAM: \_\_\_\_\_

CUSTODY SEAL: \_\_\_\_\_ INTACT \_\_\_\_\_ NOT INTACT \_\_\_\_\_ NA

## AFTER HOURS CUSTODY

### RELINQUISHED BY

CLIENT: <i>ORG</i>	DATE <i>10/18</i>	TIME <i>1909</i>
GUARD TO COOLER: <i>SHAH</i>	DATE <i>10/18</i>	TIME <i>1915</i>

### RECEIVED BY

SECURITY GUARD: <i>SHAH</i>	DATE <i>10/18</i>	TIME <i>1909</i>
SAMPLE CUSTODIAN <i>Paul Fung</i>	DATE <i>10-18</i>	TIME <i>1909</i>

## COMMENTS/DISCREPANCIES:

*L. Shah 10/19/07, 0800*

## RESOLUTION/CLIENT COMMENT:

SIGNED: \_\_\_\_\_

DATE: \_\_\_\_\_

QA/QC APPROVAL: \_\_\_\_\_

SIGNED: \_\_\_\_\_

DATE: \_\_\_\_\_

**Ground Water Sampling Logs**

## Low Flow Ground Water Sampling Log

Weather Sunny 75° F

Well # MW-35

Project # 40312.008.004

**Well information:**

Depth of Well \* 18.47 ft.

Depth to Water \* 1.30 ft.

Length of Water Column 17.17 ft.

Depth to Intake \* 13.5 ft.

\* Measurements taken from

X Top of Well Casing

Top of Protective Casing

(Other, Specify)

Start Purge Time: 1420

[illegible]

End Purge Time: 1450

Titration 0.8 ppm

**Water sample:**

Time collected: 1453

Total volume of purged water removed: 5 gal

Physical appearance at start

### Physical appearance at sampling

Color Cloudy

Color Clear

Odor Strong Chemical

Odor Slight Chemical

Sheen/Free Product None

Sheen/Free Product Slight Sheen

### Field Test Results:

Dissolved ferrous iron: \_\_\_\_\_

Dissolved total iron: \_\_\_\_\_

Dissolved total manganese: \_\_\_\_\_

**Analytical Parameters:**

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
200 ml	Boston Road	1	No	-	
<del>250</del> 250ml	plastic	1	↓	HNO <sub>3</sub>	
250 ml	plastic	1			
40 ml	VGA	6		1:1 HCl	
500 ml	plastic	2		Azine Acetate / Al(OH)	
			↓		

## Low Flow Ground Water Sampling Log

Well information:

\* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time:

End Purge Time:	<u>1522</u>	1.8 ppm DO
Water sample:		
Time collected:	<u>1525</u>	Total volume of purged water removed: <u>16 gals.</u>
Physical appearance at start		Physical appearance at sampling
Color	<u>Cloudy</u>	Color <u>Clear</u>
Odor	<u>None</u>	Odor <u>None</u>
Sheen/Free Product	<u>None</u>	Sheen/Free Product <u>None</u>
Field Test Results:	Dissolved ferrous iron:	<u>                    </u>
	Dissolved total iron:	<u>                    </u>
	Dissolved total manganese:	<u>                    </u>

[illegible]



## Low Flow Ground Water Sampling Log

**Well information:**

\* Measurements taken from

X	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

Start Purge Time: 1020

[illegible]

End Purge Time: 1132

DO Titration  
3.2 ppm

**Water sample:**

Time collected: 1138

**Total volume of purged water removed:**

8 ya

Physical appearance at start

### Physical appearance at sampling

Color Pale Brown

Color Very Pale Brown

Odor Slight chemical

Odor Slight Chemical

Sheen/Free Product faint Sheen

Sheen/Free Product Faint Sheen

**Field Test Results:**

**Dissolved ferrous iron:**

Dissolved total iron:

Dissolved total manganese:

### Analytical Parameters:

[illegible]

## Low Flow Ground Water Sampling Log

**Well information:**

\* Measurements taken from

Start Purge Time:

End Purge Time:	<u>1039</u>	2.4 ppm OD	
Water sample:			
Time collected:	<u>1040</u>	Total volume of purged water removed: <u>5 gal.</u>	
Physical appearance at start		Physical appearance at sampling	
Color	<u>Clear</u>	Color	<u>Clear</u>
Odor	<u>None</u>	Odor	<u>None</u>
Sheen/Free Product	<u>None</u>	Sheen/Free Product	<u>None</u>

### Analytical Parameters:

10/17/2007