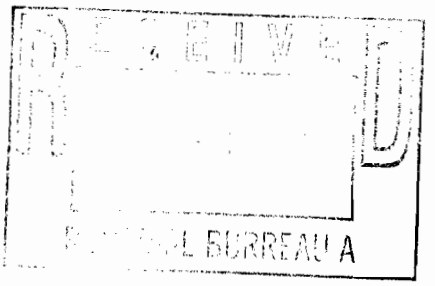
ATTACHMENT 4

Data Validation and Analytical Results



SUMMARY OF THE ANALYTICAL DATA USABILITY
Gem Cleaners – Rockville Center, NY

Soil Volatile Organic Analyses
Samples Collected January 17th through 30th, 2006
Samples Received January 18th through February 1st ,2006
Sample Delivery Group: 0601093 Soil
Laboratory Reference Numbers:

GEM-SB-1 (S-7)	0601093-001
STORAGE BLANK	0601093-002
GEM-SB-2 (S-10)	0601101-001
GEM-SB-3 (S-10)	0601101-002
GEM-SB-3 (S-8)	0601101-003
STORAGE BLANK	0601101-004
GEM-SB-4 (S-7)	0601120-001
GEM-SB-4 (S-7) MS	0601120-001 MS
GEM-SB-4 (S-7) MSD	0601120-001 MSD
X-1	0601120-002
GEM-SB-5 (S-8)	0601120-003
STORAGE BLANK	0601120-004
DW-1	0601120-005
DW-1 RE	0601120-005 RE
X-4	0601120-006
X-4 RE	0601120-006 RE
GEM-SB-6 (S-5)	0602005-001

Soil samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
- Calibrations
- Laboratory Blanks
- Field Blank
- Trip Blanks
- Storage Blank
- Equipment Blank
- System Monitoring Compound Recoveries
- Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
- Blank Spike
- Laboratory Control Sample
- Instrument Detection Limits

* - Compound Identification
- Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA USABILITY SUMMARY

The laboratory did not use the NYS DEC ASP FORM I for reporting the data.

The laboratory did not flag any of the sample data with the "B" qualifier due to the presence of compounds in the method blank. This is required under NYS DEC ASP protocols.

Non-target spectra were included in the report along with a hand written summary, but the NYS DEC Non-Target FORM I was not included.

The problems with the system monitoring and internal standard recoveries in samples DW-1 and X-4 should be noted. The samples were reanalyzed and the data from the reanalyses were not significantly different. The data from the original analyses should be used for the final reporting.

The instrument detection limits were analyzed approximately 7 months beyond the 6 month requirement.

Section J of Exhibit B of the NYSDEC ASP protocols states: The Laboratory shall perform and report semiannually verification of instrument detection limits and linear range by methods specified in Exhibit E for each instrument used under this Protocol.

The minor acetone and methylene chloride contamination in the method and storage blanks should be noted.

No other significant problems were found with this sample delivery group, which would affect the usability of the data.

Holding Times

All of the samples of this delivery group met the Region II technical holding time requirements:

- Unpreserved aqueous samples were analyzed within 7 days of collection.
- Preserved aqueous samples were analyzed within 14 days of collection.
- Soil samples were analyzed within 10 days from date of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

System Monitoring Compound Recoveries

All system monitoring compound recoveries were within the required quality assurance limits with the exceptions of the recoveries of BFB in samples DW-1 (56%) and X-4 (56%). The recoveries were just under the 59% quality control limit.

The samples were reanalyzed and the recoveries were similar (57%) and (56%).

The data from the original analyses of these samples should be used for the final reporting since the recoveries and data from the reanalyses were not significantly different. The data for these samples were flagged with the "J" qualifier. IT is possible that low concentrations of some compounds were overlooked and reported concentrations underestimated.

Calibrations

The percent RSD of bromoform (38%) in the fist of the two initial calibrations was greater than the 30% quality assurance limit. This initial calibration was associated with all of the samples with the one exception of sample GEM-SB-6 (S-6). Bromoform was not detected in any of the samples and the data were not qualified since the %RSD was less than 60%.

No problems were detected with the 2/8 initial calibration associated with the analysis of sample GEM-SB-6 (S-6).

The percent difference of bromomethane (26%), chloroethane (31%), carbon tetrachloride (39%) and bromoform (34%) were above the 25% quality assurance limit in continuing calibration J8286.D analyzed on 1/23. This continuing calibration was associated with samples 0601093-002, 0601101-004, 0601093-001, 0601101-001, 0601101-002 and 0601101-003. None of these compounds were detected in any of the samples and the data were not qualified since the percent differences were less than 25%.

The percent difference of chloroethane (31%), and bromoform (32%) were above the 25% quality assurance limit in continuing calibration J8308.D analyzed on 1/24. This continuing calibration was associated with samples 0601120-004, 0601120-001, 0601120-002, 0601120-003, 0601120-005 and 0601120-006. Neither of these compounds were detected in any of the samples and the data were not qualified since the percent differences were less than 25%.

The percent difference of chloroethane (32%), methyl tert-butyl ether (33%) and the surrogate bromofluorobenzene (28%) were above the 25% quality assurance limit in continuing calibration J8398.D analyzed on 1/27. This continuing calibration was associated with the reanalyses pf samples DW-1 and X-4. Neither of these compounds were detected in the samples and the data were not qualified since the percent differences were less than 25%. The data from the reanalyses were not used for the final reporting.

No other problems were detected with any of the initial or continuing calibrations.

Matrix Spike / Matrix Spike Duplicate

Sample GEM-SB-4 (S-7) (Lab. #: 0601120-001) was used as the matrix spike and matrix spike duplicate. All target compounds were included in the spiking solution. All recoveries and RPDs were within the quality control limits with the following exceptions:

Compound	MS %Rec	MSD %Rec	QC Limits	RPD Limits	
Chloroethane	178%		49 – 161	20	
Methyl acetate	58%	65%	70 – 130	20	
Methylene chloride	68%		68 – 132	20	(ok)
trans-1,2-Dichloroethene		68%	70 – 130	20	
Methyl tert-butyl ether	57%	62%	70 – 135	20	
1,1-Dichloroethane	68%	67%	70 – 133	20	
Chloroform	70%	69%	70 – 130		
Cyclohexane		66%	70 – 130	20	
1,2-Dichloroethane	59%	63%	68 – 135	20	
Trichloroethene		69%	70 – 130	20	
Methylcyclohexane		70%	70 – 130	20	(ok)
1,2-Dichloropropane	68%	68%	70 – 130	20	
Toluene		68%	70 – 130	20	
1,1,2-Trichloroethene	70%		70 – 132	20	(ok)
1,2-Dibromoethane	70%		70 – 130	20	(ok)
1,2-Dibromo-3-chloropropane	60%	66%	70 – 138	20	

The data for methylene chloride, methylcyclohexane, 1,1,2-trichloroethene and 1,2-dibromoethane were not qualified since their recoveries rounded to the quality assurance limits.

The data for chloroethane were not qualified since the recovery was above the required quality assurance limit and the compound was not detected in any of the samples.

The data for the remaining compounds were flagged with the "J" qualifier and are estimated values. It is possible the reported concentrations of these compounds were underestimated and low concentrations were overlooked.

Blank Spike

All blank spike recoveries were within the quality control limits with the one exception of bromoform (140%) which was above the 137% quality assurance limit. Bromoform was not detected in any of the samples and the high recovery does not affect the end use of the data.

All target compounds were included in the spiking solution.

Laboratory Control Sample

All LCS recoveries and RPDs were within the required quality control limits with the following exceptions:

The recovery of bromoform (139% & 140%) was just above the 138% quality assurance limit in LCS-4302 and LCSD-4316. Bromoform was not detected in any of the samples and the high recovery does not affect the end use of the data.

Method Blanks

Acetone and/or methylene chloride were detected in all of the method blanks at concentrations less than the CRDL.

The laboratory did not flag the blank contaminants on the sample FORM I's with the "B" qualifier. This is required under the NYD SEC ASP requirements. The "B" qualifiers were added during the data validation.

When a blank contaminant was detected in an associated sample at a concentration less than the CRDL it was reported at the CDRL and flagged with the "U" qualifier.

When a blank contaminant was detected in an associated sample at a concentration above the CRDL, but less than 10X the concentration in the method blank, it was flagged with the "U" qualifier.

Data were not qualified if the concentration of the blank contaminant in the samples was greater than 10X the concentration of the compound in the method blank.

Trip Blanks

A trip blank was not analyzed with this sample delivery group.

Storage Blank

Low concentrations of acetone and methylene chloride were detected in all of the storage blanks.

The concentrations of these compounds in all of the samples, with the one exception of sample X-4 (0601120-006), were less than 10X the concentration in the associated storage blank and the data were reported at the quantitation limit with the "U" qualifier.

The acetone data for sample X-4 (0601120-006) were not qualified since the concentration in the sample (34 ug/kg) was more than 10X the concentration in the method blank.

Equipment Blanks

An equipment blank was not analyzed with this sample delivery group.

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required quality control limits with the exceptions of the recoveries of 1,4-dichlorobenzene-d4 in samples DW-1 (31%) and X-4 (28%). The recoveries were under the 50% quality control limit.

The samples were reanalyzed and the recoveries were similar (27%) and (26%).

The data from the original analyses should be used for the final reporting for both of these samples.

Instrument Detection Limits

The instrument detection limits were analyzed approximately 7 months beyond the 6 month requirement.

Section J of Exhibit B of the NYSDEC ASP protocols states: The Laboratory shall perform and report semiannually verification of instrument detection limits and linear range by methods specified in Exhibit E for each instrument used under this Protocol.

Sample Results

No other problems were found with the reported results of any of the samples of this delivery group.

SUMMARY OF THE ANALYTICAL DATA USABILITY
Gem Cleaners – Rockville Center, NY

Soil Volatile Organic Analyses
Samples Collected March 3, 2006
Samples Received March 4, 2006
Sample Delivery Group: 0603024 Soil
Laboratory Reference Numbers:

GEM-SB-7 (S-10)	0603024-001
GEM-SB-7 (S-6)	0603024-002
GEM-SB-7 (S-6) MS	0603024-002 MS
GEM-SB-7 (S-6) MSD	0603024-002 MSD
STORAGE BLANK	0603024-003

Soil samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

* * - Data Completeness
* * - GC/MS Tuning
* * - Holding Times
* * - Calibrations
* * - Laboratory Blanks
  - Field Blank
  - Trip Blanks
* * - Storage Blank
  - Equipment Blank
  - System Monitoring Compound Recoveries
* * - Internal Standard Recoveries
* * - Matrix Spike / Matrix Spike Duplicate
* * - Blank Spike
* * - Laboratory Control Sample
* * - Instrument Detection Limits
* * - Compound Identification
* * - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA USABILITY SUMMARY

The laboratory did not use the NYS DEC ASP FORM I for reporting the data.

Non-target spectra were included in the report along with a hand written summary, but the NYS DEC Non-Target FORM I was not included.

No other significant problems were found with this sample delivery group, which would affect the usability of the data.

Holding Times

All of the samples of this delivery group met the Region II technical holding time requirements:

- Preserved aqueous samples were analyzed within 14 days of collection.
- Soil samples were analyzed within 10 days from date of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

System Monitoring Compound Recoveries

All system monitoring compound recoveries were within the required quality assurance limits.

Calibrations

No problems were detected with the initial calibration. Only an initial calibration was analyzed.

Matrix Spike / Matrix Spike Duplicate

Sample GEM-SB-7 (S-6) (Lab. #: 0603024-002) was used as the matrix spike and matrix spike duplicate. All target compounds were included in the spiking solution. All recoveries and RPDs were within the quality control limits.

Blank Spike

All blank spike recoveries were within the quality control limits.

All target compounds were included in the spiking solution.

Laboratory Control Sample

All LCS recoveries and RPDs were within the required quality control limits.

Method Blanks

No compounds were detected in the method blank.

Trip Blanks

A trip blank was not analyzed with this sample delivery group.

Storage Blank

No compounds were detected in the storage blank.

Equipment Blanks

An equipment blank was not analyzed with this sample delivery group.

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required 50% - 150% quality control limits.

Instrument Detection Limits

No problems were found with the instrument detection limits.

Sample Results

No other problems were found with the reported results of any of the samples of this delivery group.

Sample Delivery Group: 0601093

GEM-SB-1 (S7) 0601093-001	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC	MS/MSD %Rec	MB	SB ug/l
Dibromodifluoromethane	ND													
Chloromethane	ND													
Vinyl Chloride	ND													
Bromomethane	ND										26%			
Chloroethane	ND										31%	178% / ok		
Trichlorofluoromethane	ND													
1,1-Dichloroethene	ND													
1,1,2-Trichloro-1,2,2-trifluoroethane	ND													
Acetone	3.9	J	B		ND (10 U)	3.09	21.0						1.92	2.7
Carbon Disulfide	ND													
Methyl Acetate	ND		J									58% / 65%		
Methyene Chloride	ND													2.6
trans-1,2-Dichloroethene	ND		J									ok / 68%		
Methyl tert-butyl Ether	ND		J									57% / 62%		
1,1-Dichloroethane	ND		J									68% / 67%		
cis-1,2-Dichloroethene	ND													
2-Butanone	ND													
Chloroform	ND		J									70% / 69%		
1,1,1-Trichloroethene	ND													
Cyclohexane	ND		J									ok / 66%		
Carbon Tetrachloride	ND										39%			
Benzene	ND													
1,2-Dichloroethane	ND		J									59% / 63%		
Trichloroethene	ND		J									ok / 69%		
Methylcyclohexane	ND													
1,2-Dichloropropane	ND		J									68% / 68%		
Bromodichloromethane	ND													
cis-1,3-Dichloropropene	ND													
4-Methyl-2-penatanone	ND													
Toluene	ND		J									ok / 68%		
trans-1,3-Dichloropropene	ND													
1,1,2-Trichloroethene	ND													
Tetrachloroethene	11				11	8.5	21.0							
2-Hexanone	ND													
Dibromochloromeethane	ND													
1,2-Dibromoethane	ND													
Chlorobenzene	ND													
Ethylbenzene	ND													
Xylenes (total)	ND													

Sample Deivery Group: 0601093

STORAGE BLANK 0601093-002	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC	MS/MSD %Rec	MB
Dibromodifluoromethane	ND												
Chloromethane	ND												
Vinyl Chloride	ND												
Bromomethane	ND										26%		
Chloroethane	ND										31%	178% / ok	
Trichlorofluoromethane	ND												
1,1-Dichloroethene	ND												
1,1,2-Trichloro-1,2,2-trifluoroethane	ND												
Acetone	2.7	J	B			2.7							1.92
Carbon Disulfide	ND												
Methyl Acetate	ND		J									58% / 65%	
Methyene Chloride	2.6	J				2.6							
trans-1,2-Dichloroethene	ND		J									ok / 68%	
Methyl tert-butyl Ether	ND		J									57% / 62%	
1,1-Dichloroethane	ND		J									68% / 67%	
cis-1,2-Dichloroethene	ND												
2-Butanone	ND												
Chloroform	ND		J									70% / 69%	
1,1,1-Trichloroethene	ND												
Cyclohexane	ND		J									ok / 66%	
Carbon Tetrachloride	ND										39%		
Benzene	ND												
1,2-Dichloroethane	ND		J									59% / 63%	
Trichloroethene	ND		J									ok / 69%	
Methylcyclohexane	ND												
1,2-Dichloropropane	ND		J									68% / 68%	
Bromodichloromethane	ND												
cis-1,3-Dichloropropene	ND												
4-Methyl-2-penatanone	ND												
Toluene	ND		J									ok / 68%	
trans-1,3-Dichloropropene	ND												
1,1,2-Trichloroethene	ND												
Tetrachloroethene	ND												
2-Hexanone	ND												
Dibromochloromeethane	ND												
1,2-Dibromoethane	ND												
Chlorobenzene	ND												
Ethylbenzene	ND												
Xylenes (total)	ND												

Stryrene	ND				
Bromoform	ND		38%	34%	
Isopropylbenzene	ND				
1,1,2,2-Tetrachloroethane	ND				
1,3-Dichlorobenzene	ND				
1,4-Dichlorobenzene	ND				
1,2-Dichlorobenzene	ND				
1,2-Dibromo-3-chloropropane	ND	J			60% / 66%
1,2,4-Trichlorobenzene	ND				

Non-Target Compounds

None Detected

Sample Deivery Group: 0601093

GEM-SB-2 (S-10) 0601101-001	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC	MS/MSD %Rec	MB	SB ug/l
Dibromodifluoromethane	ND													
Chloromethane	ND													
Vinyl Chloride	ND													
Bromomethane	ND										26%			
Chloroethane	ND										31%	178% / ok		
Trichlorofluoromethane	ND													
1,1-Dichloroethene	ND													
1,1,2-Trichloro-1,2,2-trifluoroethane	ND													
Acetone	1.8	J	B		ND (12U)	1.58	14.4						1.92	2.3
Carbon Disulfide	ND													
Methyl Acetate	ND		J									58% / 65%		
Methyene Chloride	ND													2.6
trans-1,2-Dichloroethene	ND		J									ok / 68%		
Methyl tert-butyl Ether	ND		J									57% / 62%		
1,1-Dichloroethane	ND		J									68% / 67%		
cis-1,2-Dichloroethene	ND													
2-Butanone	ND													
Chloroform	ND		J									70% / 69%		
1,1,1-Trichloroethene	ND													
Cyclohexane	ND		J									ok / 66%		
Carbon Tetrachloride	ND										39%			
Benzene	ND													
1,2-Dichloroethane	ND		J									59% / 63%		
Trichloroethene	ND		J									ok / 69%		
Methylcyclohexane	ND													
1,2-Dichloropropane	ND		J									68% / 68%		
Bromodichloromethane	ND													
cis-1,3-Dichloropropene	ND													
4-Methyl-2-penatanone	ND													
Toluene	ND		J									ok / 68%		
trans-1,3-Dichloropropene	ND													
1,1,2-Trichloroethene	ND													
Tetrachloroethene	ND													
2-Hexanone	ND													
Dibromochloromeethane	ND													
1,2-Dibromoethane	ND													
Chlorobenzene	ND													
Ethylbenzene	ND													
Xylenes (total)	ND													

Stryrene	ND				
Bromoform	ND			38% 34%	
Isopropylbenzene	ND				
1,1,2,2-Tetrachloroethane	ND				
1,3-Dichlorobenzene	ND				
1,4-Dichlorobenzene	ND				
1,2-Dichlorobenzene	ND				
1,2-Dibromo-3-chloropropane	ND	J			60% / 66%
1,2,4-Trichlorobenzene	ND				

Non-Target Compounds

None Detected

Sample Delivery Group: 0601093

GEM-SB-3 (S-8) 0601101-003	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC	MS/MSD %Rec	MB	SB ug/l
Dibromodifluoromethane	ND													
Chloromethane	ND													
Vinyl Chloride	ND													
Bromomethane	ND										26%			
Chloroethane	ND										31%	178% / ok		
Trichlorofluoromethane	ND													
1,1-Dichloroethene	ND													
1,1,2-Trichloro-1,2,2-trifluoroethane	ND													
Acetone	2.3	J	B		ND (12 U)	1.89	17.2						1.92	2.3
Carbon Disulfide	ND													
Methyl Acetate	ND		J									58% / 65%		
Methyene Chloride	ND													2.6
trans-1,2-Dichloroethene	ND		J									ok / 68%		
Methyl tert-butyl Ether	ND		J									57% / 62%		
1,1-Dichloroethane	ND		J									68% / 67%		
cis-1,2-Dichloroethene	ND													
2-Butanone	ND													
Chloroform	ND		J									70% / 69%		
1,1,1-Trichloroethene	ND													
Cyclohexane	ND		J									ok / 66%		
Carbon Tetrachloride	ND										39%			
Benzene	ND													
1,2-Dichloroethane	ND		J									59% / 63%		
Trichloroethene	ND		J									ok / 69%		
Methylcyclohexane	ND													
1,2-Dichloropropane	ND		J									68% / 68%		
Bromodichloromethane	ND													
cis-1,3-Dichloropropene	ND													
4-Methyl-2-penatanone	ND													
Toluene	ND		J									ok / 68%		
trans-1,3-Dichloropropene	ND													
1,1,2-Trichloroethene	ND													
Tetrachloroethene	ND													
2-Hexanone	ND													
Dibromochloromeethane	ND													
1,2-Dibromoethane	ND													
Chlorobenzene	ND													
Ethylbenzene	ND													
Xylenes (total)	ND													

Stryrene	ND					
Bromoform	ND			38%	34%	
Isopropylbenzene	ND					
1,1,2,2-Tetrachloroethane	ND					
1,3-Dichlorobenzene	ND					
1,4-Dichlorobenzene	ND					
1,2-Dichlorobenzene	ND					
1,2-Dibromo-3-chloropropane	ND	J				60% / 66%
1,2,4-Trichlorobenzene	ND					

Non-Target Compounds

None Detected

Sample Deivery Group: 0601093

STORAGE BLANK 0601101-004	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC	MS/MSD %Rec	MB
Dibromodifluoromethane	ND												
Chloromethane	ND												
Vinyl Chloride	ND												
Bromomethane	ND										26%		
Chloroethane	ND										31%	178% / ok	
Trichlorofluoromethane	ND												
1,1-Dichloroethene	ND												
1,1,2-Trichloro-1,2,2-trifluoroethane	ND												
Acetone	2.3	J	B			2.3							1.92
Carbon Disulfide	ND												
Methyl Acetate	ND		J									58% / 65%	
Methyene Chloride	2.6	J				2.6							
trans-1,2-Dichloroethene	ND		J									ok / 68%	
Methyl tert-butyl Ether	ND		J									57% / 62%	
1,1-Dichloroethane	ND		J									68% / 67%	
cis-1,2-Dichloroethene	ND												
2-Butanone	ND												
Chloroform	ND		J									70% / 69%	
1,1,1-Trichloroethene	ND												
Cyclohexane	ND		J									ok / 66%	
Carbon Tetrachloride	ND										39%		
Benzene	ND												
1,2-Dichloroethane	ND		J									59% / 63%	
Trichloroethene	ND		J									ok / 69%	
Methylcyclohexane	ND												
1,2-Dichloropropane	ND		J									68% / 68%	
Bromodichloromethane	ND												
cis-1,3-Dichloropropene	ND												
4-Methyl-2-penatanone	ND												
Toluene	ND		J									ok / 68%	
trans-1,3-Dichloropropene	ND												
1,1,2-Trichloroethene	ND												
Tetrachloroethene	ND												
2-Hexanone	ND												
Dibromochloromeethane	ND												
1,2-Dibromoethane	ND												
Chlorobenzene	ND												
Ethylbenzene	ND												
Xylenes (total)	ND												

Stryrene	ND				
Bromoform	ND		38%	34%	
Isopropylbenzene	ND				
1,1,2,2-Tetrachloroethane	ND				
1,3-Dichlorobenzene	ND				
1,4-Dichlorobenzene	ND				
1,2-Dichlorobenzene	ND				
1,2-Dibromo-3-chloropropane	ND	J			60% / 66%
1,2,4-Trichlorobenzene	ND				

Non-Target Compounds

None Detected

Sample Deivery Group: 0601093

GEM-SB-3 (S-10) 0601101-002	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC	MS/MSD %Rec	MB	SB ug/l
Dibromodifluoromethane	ND													
Chloromethane	ND													
Vinyl Chloride	ND													
Bromomethane	ND										26%			
Chloroethane	ND										31%	178% / ok		
Trichlorofluoromethane	ND													
1,1-Dichloroethene	ND													
1,1,2-Trichloro-1,2,2-trifluoroethane	ND													
Acetone	2.1	J	B		ND (12 U)	1.86	13.2						1.92	2.3
Carbon Disulfide	ND													
Methyl Acetate	ND		J									58% / 65%		
Methyene Chloride	ND													2.6
trans-1,2-Dichloroethene	ND		J									ok / 68%		
Methyl tert-butyl Ether	ND		J									57% / 62%		
1,1-Dichloroethane	ND		J									68% / 67%		
cis-1,2-Dichloroethene	ND													
2-Butanone	ND													
Chloroform	ND		J									70% / 69%		
1,1,1-Trichloroethene	ND													
Cyclohexane	ND		J									ok / 66%		
Carbon Tetrachloride	ND										39%			
Benzene	ND													
1,2-Dichloroethane	ND		J									59% / 63%		
Trichloroethene	ND		J									ok / 69%		
Methylcyclohexane	ND													
1,2-Dichloropropane	ND		J									68% / 68%		
Bromodichloromethane	ND													
cis-1,3-Dichloropropene	ND													
4-Methyl-2-penatanone	ND													
Toluene	ND		J									ok / 68%		
trans-1,3-Dichloropropene	ND													
1,1,2-Trichloroethene	ND													
Tetrachloroethene	ND													
2-Hexanone	ND													
Dibromochloromeethane	ND													
1,2-Dibromoethane	ND													
Chlorobenzene	ND													
Ethylbenzene	ND													
Xylenes (total)	ND													

Stryrene	ND				
Bromoform	ND		38%	34%	
Isopropylbenzene	ND				
1,1,2,2-Tetrachloroethane	ND				
1,3-Dichlorobenzene	ND				
1,4-Dichlorobenzene	ND				
1,2-Dichlorobenzene	ND				
1,2-Dibromo-3-chloropropane	ND	J			60% / 66%
1,2,4-Trichlorobenzene	ND				

Non-Target Compounds

None Detected

Sample Deivery Group: 0601093

GEM-SB-4 (S7) 0601120-001	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC 1/24	MS/MSD %Rec	MB 4316	SB ug/l
Dibromodifluoromethane	ND													
Chloromethane	ND													
Vinyl Chloride	ND													
Bromomethane	ND													
Chloroethane	ND										32%	178% / ok		
Trichlorofluoromethane	ND													
1,1-Dichloroethene	ND													
1,1,2-Trichloro-1,2,2-trifluoroethane	ND													
Acetone	2.4	J	B		ND (12 U)	1.92	19.6						1.87	2.0
Carbon Disulfide	ND													
Methyl Acetate	ND		J									58% / 65%		
Methyene Chloride	ND												1.04	
trans-1,2-Dichloroethene	ND		J									ok / 68%		
Methyl tert-butyl Ether	ND		J								33%	57% / 62%		
1,1-Dichloroethane	ND		J									68% / 67%		
cis-1,2-Dichloroethene	ND													
2-Butanone	ND													
Chloroform	ND		J									70% / 69%		
1,1,1-Trichloroethene	ND													
Cyclohexane	ND		J									ok / 66%		
Carbon Tetrachloride	ND													
Benzene	ND													
1,2-Dichloroethane	ND		J									59% / 63%		
Trichloroethene	ND		J									ok / 69%		
Methylcyclohexane	ND													
1,2-Dichloropropane	ND		J									68% / 68%		
Bromodichloromethane	ND													
cis-1,3-Dichloropropene	ND													
4-Methyl-2-penatanone	ND													
Toluene	ND		J									ok / 68%		
trans-1,3-Dichloropropene	ND													
1,1,2-Trichloroethene	ND													
Tetrachloroethene	1.1				1.1	0.89	19.6							
2-Hexanone	ND													
Dibromochloromeethane	ND													
1,2-Dibromoethane	ND													
Chlorobenzene	ND													
Ethylbenzene	ND													
Xylenes (total)	ND													

Stryrene	ND			
Bromoform	ND		38%	
Isopropylbenzene	ND			
1,1,2,2-Tetrachloroethane	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
1,2-Dichlorobenzene	ND			
1,2-Dibromo-3-chloropropane	ND	J		60% / 66%
1,2,4-Trichlorobenzene	ND			

Non-Target Compounds

None Detected

Sample Delivery Group: 0601093

GEM-SB-5 (S-8) 0601120-003	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC 1/24	MS/MSD %Rec	MB 4316	SB ug/l
Dibromodifluoromethane	ND													
Chloromethane	ND													
Vinyl Chloride	ND													
Bromomethane	ND													
Chloroethane	ND										32%	178% / ok		
Trichlorofluoromethane	ND													
1,1-Dichloroethene	ND													
1,1,2-Trichloro-1,2,2-trifluoroethane	ND													
Acetone	2.2	J	B		ND (12 U)	1.86	13.6						1.87	2.0
Carbon Disulfide	ND													
Methyl Acetate	ND		J									58% / 65%		
Methyene Chloride	ND												1.04	
trans-1,2-Dichloroethene	ND		J									ok / 68%		
Methyl tert-butyl Ether	ND		J								33%	57% / 62%		
1,1-Dichloroethane	ND		J									68% / 67%		
cis-1,2-Dichloroethene	ND													
2-Butanone	ND													
Chloroform	ND		J									70% / 69%		
1,1,1-Trichloroethene	ND													
Cyclohexane	ND		J									ok / 66%		
Carbon Tetrachloride	ND													
Benzene	ND													
1,2-Dichloroethane	ND		J									59% / 63%		
Trichloroethene	ND		J									ok / 69%		
Methylcyclohexane	ND													
1,2-Dichloropropane	ND		J									68% / 68%		
Bromodichloromethane	ND													
cis-1,3-Dichloropropene	ND													
4-Methyl-2-penatanone	ND													
Toluene	ND		J									ok / 68%		
trans-1,3-Dichloropropene	ND													
1,1,2-Trichloroethene	ND													
Tetrachloroethene	ND													
2-Hexanone	ND													
Dibromochloromeethane	ND													
1,2-Dibromoethane	ND													
Chlorobenzene	ND													
Ethylbenzene	ND													
Xylenes (total)	ND													

Stryrene	ND			
Bromoform	ND		38%	
Isopropylbenzene	ND			
1,1,2,2-Tetrachloroethane	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
1,2-Dichlorobenzene	ND			
1,2-Dibromo-3-chloropropane	ND	J		60% / 66%
1,2,4-Trichlorobenzene	ND			

Non-Target Compounds

None Detected

Sample Delivery Group: 0601093

X-1 0601120-002	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC 1/24	MS/MSD %Rec	MB 4316	SB ug/l
Dibromodifluoromethane	ND													
Chloromethane	ND													
Vinyl Chloride	ND													
Bromomethane	ND													
Chloroethane	ND										32%	178% / ok		
Trichlorofluoromethane	ND													
1,1-Dichloroethene	ND													
1,1,2-Trichloro-1,2,2-trifluoroethane	ND													
Acetone	2.1	J	B		ND (12U)	1.85	13.8						1.87	2.0
Carbon Disulfide	ND													
Methyl Acetate	ND		J									58% / 65%		
Methyene Chloride	ND												1.04	
trans-1,2-Dichloroethene	ND		J									ok / 68%		
Methyl tert-butyl Ether	ND		J								33%	57% / 62%		
1,1-Dichloroethane	ND		J									68% / 67%		
cis-1,2-Dichloroethene	ND													
2-Butanone	ND													
Chloroform	ND		J									70% / 69%		
1,1,1-Trichloroethene	ND													
Cyclohexane	ND		J									ok / 66%		
Carbon Tetrachloride	ND													
Benzene	ND													
1,2-Dichloroethane	ND		J									59% / 63%		
Trichloroethene	ND		J									ok / 69%		
Methylcyclohexane	ND													
1,2-Dichloropropane	ND		J									68% / 68%		
Bromodichloromethane	ND													
cis-1,3-Dichloropropene	ND													
4-Methyl-2-penatanone	ND													
Toluene	ND		J									ok / 68%		
trans-1,3-Dichloropropene	ND													
1,1,2-Trichloroethene	ND													
Tetrachloroethene	ND													
2-Hexanone	ND													
Dibromochloromeethane	ND													
1,2-Dibromoethane	ND													
Chlorobenzene	ND													
Ethylbenzene	ND													
Xylenes (total)	ND													

Stryrene	ND			
Bromoform	ND		38%	
Isopropylbenzene	ND			
1,1,2,2-Tetrachloroethane	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
1,2-Dichlorobenzene	ND			
1,2-Dibromo-3-chloropropane	ND	J		60% / 66%
1,2,4-Trichlorobenzene	ND			

Non-Target Compounds

None Detected

Stryrene	ND			
Bromoform	ND		38%	
Isopropylbenzene	ND			
1,1,2,2-Tetrachloroethane	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
1,2-Dichlorobenzene	ND			
1,2-Dibromo-3-chloropropane	ND	J		60% / 66%
1,2,4-Trichlorobenzene	ND			

Non-Target Compounds

None Detected

Sample Deivery Group: 0601093

GEM-SB-6 (S-5) 0602005-001	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC	MS/MSD %Rec	MB 4470	SB ug/l
Dibromodifluoromethane	ND													
Chloromethane	ND													
Vinyl Chloride	ND													
Bromomethane	ND													
Chloroethane	ND											178% / ok		
Trichlorofluoromethane	ND													
1,1-Dichloroethene	ND													
1,1,2-Trichloro-1,2,2-trifluoroethane	ND													
Acetone	1.8	J	B		ND (12U)	1.45	19.5						1.3	
Carbon Disulfide	ND													
Methyl Acetate	ND		J									58% / 65%		
Methyene Chloride	ND													
trans-1,2-Dichloroethene	ND		J									ok / 68%		
Methyl tert-butyl Ether	ND		J									57% / 62%		
1,1-Dichloroethane	ND		J									68% / 67%		
cis-1,2-Dichloroethene	ND													
2-Butanone	ND													
Chloroform	ND		J									70% / 69%		
1,1,1-Trichloroethene	ND													
Cyclohexane	ND		J									ok / 66%		
Carbon Tetrachloride	ND													
Benzene	ND													
1,2-Dichloroethane	ND		J									59% / 63%		
Trichloroethene	ND		J									ok / 69%		
Methylcyclohexane	ND													
1,2-Dichloropropane	ND		J									68% / 68%		
Bromodichloromethane	ND													
cis-1,3-Dichloropropene	ND													
4-Methyl-2-penatanone	ND													
Toluene	ND		J									ok / 68%		
trans-1,3-Dichloropropene	ND													
1,1,2-Trichloroethene	ND													
Tetrachloroethene	0.88	J			0.88	0.71	19.5							
2-Hexanone	ND													
Dibromochloromeethane	ND													
1,2-Dibromoethane	ND													
Chlorobenzene	ND													
Ethylbenzene	ND													
Xylenes (total)	ND													

Stryrene	ND			
Bromoform	ND		38%	
Isopropylbenzene	ND			
1,1,2,2-Tetrachloroethane	ND			
1,3-Dichlorobenzene	ND			
1,4-Dichlorobenzene	ND			
1,2-Dichlorobenzene	ND			
1,2-Dibromo-3-chloropropane	ND	J		60% / 66%
1,2,4-Trichlorobenzene	ND			

Non-Target Compounds

None Detected

Sample Delivery Group: 0601093

REPORT DATA FROM THIS ANALYSIS

	DW-1 0601120-005	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture3	IS %Rec	LCS %Rec	IC	CC 1/24	MS/MSD %Rec	MB 4316	SB ug/l
Y	Dibromodifluoromethane	ND		J											
Y	Chloromethane	ND		J											
Y	Vinyl Chloride	ND		J											
Y	Bromomethane	ND		J											
Y	Chloroethane	ND		J								32%	178% / ok		
Y	Trichlorofluoromethane	ND		J											
Y	1,1-Dichloroethene	ND		J											
Y	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		J											
Y	Acetone	21		JB		ND (21 U)	14.69	30.9						1.87	2.0
Y	Carbon Disulfide	ND		J											
Y	Methyl Acetate	ND		J									58% / 65%		
Y	Methyene Chloride	ND		J										1.04	
Y	trans-1,2-Dichloroethene	ND		J									ok / 68%		
Y	Methyl tert-butyl Ether	ND		J								33%	57% / 62%		
Y	1,1-Dichloroethane	ND		J									68% / 67%		
Y	cis-1,2-Dichloroethene	ND		J											
Y	2-Butanone	4.1	J	J		4.1	2.82	30.9							
Y	Chloroform	ND		J									70% / 69%		
Y	1,1,1-Trichloroethene	ND		J											
Y	Cyclohexane	ND		J									ok / 66%		
Y	Carbon Tetrachloride	ND		J											
Y	Benzene	ND		J											
Y	1,2-Dichloroethane	ND		J									59% / 63%		
Y	Trichloroethene	ND		J									ok / 69%		
Y	Methylcyclohexane	ND		J											
Y	1,2-Dichloropropane	ND		J									68% / 68%		
Y	Bromodichloromethane	ND		J											
Y	cis-1,3-Dichloropropene	ND		J											
Y	4-Methyl-2-penatanone	ND		J											
Y	Toluene	1.4	J	J		1.4	0.96	30.9					ok / 68%		
Y	trans-1,3-Dichloropropene	ND		J											
Y	1,1,2-Trichloroethene	ND		J											
Y	Tetrachloroethene	1.3	J	J		1.3	0.89	30.9							
Y	2-Hexanone	ND		J											
Y	Dibromochloromeethane	ND		J											
Y	1,2-Dibromoethane	ND		J											
Y	Chlorobenzene	ND		J											
Y	Ethylbenzene	ND		J											

Y	Xylenes (total)	ND	J					
Y	Stryrene	ND	J					
Y	Bromoform	ND	J				38%	
Y	Isopropylbenzene	ND	J					
Y	1,1,2,2-Tetrachloroethane	ND	J			31%		
Y	1,3-Dichlorobenzene	ND	J			31%		
Y	1,4-Dichlorobenzene	ND	J			31%		
Y	1,2-Dichlorobenzene	ND	J			31%		
Y	1,2-Dibromo-3-chloropropane	ND	J			31%		60% / 66%
Y	1,2,4-Trichlorobenzene	ND	J			31%		
	Non-Target Compounds							
	Unknown (6.08)	12.9		12.9				

Sample Deivery Group: 0601093

REPORT DATA FROM THIS ANALYSIS

	X-4 0601120-006	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture3	r	IS %Rec	LCS %Rec	IC	CC 1/24	MS/MSD %Rec	MB 4316	SB ug/l
Y	Dibromodifluoromethane	ND		J												
Y	Chloromethane	ND		J												
Y	Vinyl Chloride	ND		J												
Y	Bromomethane	ND		J												
Y	Chloroethane	ND		J									32%	178% / ok		
Y	Trichlorofluoromethane	ND		J												
Y	1,1-Dichloroethene	ND		J												
Y	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		J												
Y	Acetone	34		BJ		34.1	25.33	25.8							1.87	2.0
Y	Carbon Disulfide	ND		J												
Y	Methyl Acetate	ND		J										58% / 65%		
Y	Methyene Chloride	0.73	J	BJ		0.73	0.54	25.8							1.04	
Y	trans-1,2-Dichloroethene	ND		J										ok / 68%		
Y	Methyl tert-butyl Ether	ND		J									33%	57% / 62%		
Y	1,1-Dichloroethane	ND		J										68% / 67%		
Y	cis-1,2-Dichloroethene	ND		J												
Y	2-Butanone	7.0	J	J		7.0	5.2	25.8								
Y	Chloroform	ND		J										70% / 69%		
Y	1,1,1-Trichloroethene	ND		J												
Y	Cyclohexane	ND		J										ok / 66%		
Y	Carbon Tetrachloride	ND		J												
Y	Benzene	ND		J												
Y	1,2-Dichloroethane	ND		J										59% / 63%		
Y	Trichloroethene	ND		J										ok / 69%		
Y	Methylcyclohexane	ND		J												
Y	1,2-Dichloropropane	ND		J										68% / 68%		
Y	Bromodichloromethane	ND		J												
Y	cis-1,3-Dichloropropene	ND		J												
Y	4-Methyl-2-penatanone	ND		J												
Y	Toluene	0.89	J	J		0.89	0.66	25.8						ok / 68%		
Y	trans-1,3-Dichloropropene	ND		J												
Y	1,1,2-Trichloroethene	ND		J												
Y	Tetrachloroethene	1.6	J	J		1.6	1.2	25.8								
Y	2-Hexanone	ND		J												
Y	Dibromochloromeethane	ND		J												
Y	1,2-Dibromoethane	ND		J												
Y	Chlorobenzene	ND		J												
Y	Ethylbenzene	ND		J												

Y	Xylenes (total)	ND	J					
Y	Stryrene	ND	J					
Y	Bromoform	ND	J				38%	
Y	Isopropylbenzene	ND	J					
Y	1,1,2,2-Tetrachloroethane	ND	J			31%		
Y	1,3-Dichlorobenzene	ND	J			31%		
Y	1,4-Dichlorobenzene	ND	J			31%		
Y	1,2-Dichlorobenzene	ND	J			31%		
Y	1,2-Dibromo-3-chloropropane	ND	J			31%		60% / 66%
Y	1,2,4-Trichlorobenzene	ND	J			31%		
	Non-Target Compounds							
	Unknown (6.07)	17.1		17.1				

Report Data from Original Analyses

Sample Deivery Group: 0601093

	DW-1 RE 0601120-005 RE	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture3	IS %Rec	LCS %Rec	IC	CC 1/24	MS/MSD %Rec	MB 4356	SB ug/l
X	Dibromodifluoromethane	ND		J											
X	Chloromethane	ND		J											
X	Vinyl Chloride	ND		J											
X	Bromomethane	ND		J											
X	Chloroethane	ND		J									178% / ok		
X	Trichlorofluoromethane	ND		J											
X	1,1-Dichloroethene	ND		J											
X	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		J											
X	Acetone	10		BJ		ND (14 U)	7.14	30.9						1.67	2.0
X	Carbon Disulfide	ND		J											
X	Methyl Acetate	ND		J									58% / 65%		
X	Methyene Chloride	0.81		BJ		0.81	0.56	30.9						1.67	
X	trans-1,2-Dichloroethene	ND		J									ok / 68%		
X	Methyl tert-butyl Ether	ND		J									57% / 62%		
X	1,1-Dichloroethane	ND		J									68% / 67%		
X	cis-1,2-Dichloroethene	ND		J											
X	2-Butanone	1.7	J	J		1.7	1.19	30.9							
X	Chloroform	ND		J									70% / 69%		
X	1,1,1-Trichloroethene	ND		J											
X	Cyclohexane	ND		J									ok / 66%		
X	Carbon Tetrachloride	ND		J											
X	Benzene	ND		J											
X	1,2-Dichloroethane	ND		J									59% / 63%		
X	Trichloroethene	ND		J									ok / 69%		
X	Methylcyclohexane	ND		J											
X	1,2-Dichloropropane	ND		J									68% / 68%		
X	Bromodichloromethane	ND		J											
X	cis-1,3-Dichloropropene	ND		J											
X	4-Methyl-2-penatanone	ND		J											
X	Toluene	1.1	J	J		1.1	0.76	30.9					ok / 68%		
X	trans-1,3-Dichloropropene	ND		J											
X	1,1,2-Trichloroethene	ND		J											
X	Tetrachloroethene	1.7	J	J		1.7	1.16	30.9							
X	2-Hexanone	ND		J											
X	Dibromochloromeethane	ND		J											
X	1,2-Dibromoethane	ND		J											
X	Chlorobenzene	ND		J											

X	Ethylbenzene	ND	J				
X	Xylenes (total)	ND	J				
X	Stryrene	ND	J				
X	Bromoform	ND	J		38%		
X	Isopropylbenzene	ND	J				
X	1,1,2,2-Tetrachloroethane	ND	J	27%			
X	1,3-Dichlorobenzene	ND	J	27%			
X	1,4-Dichlorobenzene	ND	J	27%			
X	1,2-Dichlorobenzene	ND	J	27%			
X	1,2-Dibromo-3-chloropropane	ND	J	27%		60% / 66%	
X	1,2,4-Trichlorobenzene	ND	J	27%			

Non-Target Compounds

None Reported

Report Data from Original Analyses

Sample Delivery Group: 0601093

	X-4 RE 0601120-006 RE	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV ug/kg	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC	MS/MSD %Rec	MB 4356	SB ug/l
X	Dibromodifluoromethane	ND		J											
X	Chloromethane	ND		J											
X	Vinyl Chloride	ND		J											
X	Bromomethane	ND		J											
X	Chloroethane	ND		J									178% / ok		
X	Trichlorofluoromethane	ND		J											
X	1,1-Dichloroethene	ND		J											
X	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		J											
X	Acetone	6.9		BJ		ND (13 U)	5.13	25.8						1.67	2.0
X	Carbon Disulfide	ND		J											
X	Methyl Acetate	ND		J									58% / 65%		
X	Methyene Chloride	0.81	J	BJ		0.73	0.54	25.8						1.67	
X	trans-1,2-Dichloroethene	ND		J									ok / 68%		
X	Methyl tert-butyl Ether	ND		J									57% / 62%		
X	1,1-Dichloroethane	ND		J									68% / 67%		
X	cis-1,2-Dichloroethene	ND		J											
X	2-Butanone	ND		J											
X	Chloroform	ND		J									70% / 69%		
X	1,1,1-Trichloroethene	ND		J											
X	Cyclohexane	ND		J									ok / 66%		
X	Carbon Tetrachloride	ND		J											
X	Benzene	ND		J											
X	1,2-Dichloroethane	ND		J									59% / 63%		
X	Trichloroethene	ND		J									ok / 69%		
X	Methylcyclohexane	ND		J											
X	1,2-Dichloropropane	ND		J									68% / 68%		
X	Bromodichloromethane	ND		J											
X	cis-1,3-Dichloropropene	ND		J											
X	4-Methyl-2-penatanone	ND		J											
X	Toluene	0.70	J	J		0.89	0.66	25.8					ok / 68%		
X	trans-1,3-Dichloropropene	ND		J											
X	1,1,2-Trichloroethene	ND		J											
X	Tetrachloroethene	1.6	J	J		1.6	1.2	25.8							
X	2-Hexanone	ND		J											
X	Dibromochloromeethane	ND		J											
X	1,2-Dibromoethane	ND		J											
X	Chlorobenzene	ND		J											

X	Ethylbenzene	ND	J				
X	Xylenes (total)	ND	J				
X	Stryrene	ND	J				
X	Bromoform	ND	J			38%	
X	Isopropylbenzene	ND	J				
X	1,1,2,2-Tetrachloroethane	ND	J		26%		
X	1,3-Dichlorobenzene	ND	J		26%		
X	1,4-Dichlorobenzene	ND	J		26%		
X	1,2-Dichlorobenzene	ND	J		26%		
X	1,2-Dibromo-3-chloropropane	ND	J		26%		60% / 66%
X	1,2,4-Trichlorobenzene	ND	J		26%		

Non-Target Compounds

None Reported

INTERNAL STANDARD RECOVERY SUMMARY

Sample	IS1 Sample Area	IS1 Standard Area	IS1 % Rec.	IS2 Sample Area	IS2 Standard Area	IS2 % Rec.	IS3 Sample Area	IS3 Standard Area	IS3 % Rec.
DW-1							239,081	776,083	31
DW-1 RE							272,394	1,010,086	27
X-4							214,825	776,083	28
X-4 RE							264,684	1,010,086	26

SUMMARY OF THE ANALYTICAL DATA USABILITY
Gem Cleaners – Rockville Center, NY

Soil Volatile Organic Analyses
Samples Collected January 17th through 30th, 2006
Samples Received January 18th through February 1st ,2006
Sample Delivery Group: 0601093 Soil
Laboratory Reference Numbers:

GEM-SB-1 (S-7)	0601093-001
STORAGE BLANKS	0601093-002
GEM-SB-2 (S-10)	0601101-001
GEM-SB-3 (S-10)	0601101-002
GEM-SB-3 (S-8)	0601101-003
STORAGE BLANK	0601101-004
GEM-SB-4 (S-7)	0601120-001
GEM-SB-4 (S-7) MS	0601120-001 MS
GEM-SB-4 (S-7) MSD	0601120-001 MSD
X-1	0601120-002
GEM-SB-5 (S-8)	0601120-003
STORAGE BLANK	0601120-004
DW-1	0601120-005
DW-1 RE	0601120-005 RE
X-4	0601120-006
X-4 RE	0601120-006 RE
GEM-SB-6 (S-5)	0602005-001

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: MS03 10
Level: Low
Tune File ID: J7714 **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: J7715 **Date:** 12/7/2005 **Page:** 275
Associated Samples: QC-4302, 0601093-002, 0601101-004, 0601093-001, 0601101-001, 0601101-002, 0601101-003, QC-4316, 0601120-001MS, 0601120-001MSD, 0601120-004, 0601120-001, 0601120-002, 0601120-003, 0601120-005, 0601120-006, QC-4356, DW-1, X-4

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon Tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.300		Chlorobenzene	<30		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<30		>0.050		Chloroethane	<30		>0.050	
					Chloroform	<30		>0.050	
1,1,2-Trichloroethane	<30		>0.050		Chloromethane	<30		>0.100	
1,1-Dichloroethane	<30		>0.100		cis-1,2-Dichloroethene	<30		>0.050	
1,1-Dichloroethene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<30		>0.050	
1,2-Dibromo-3-chloropropane	<30		>0.050		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<30		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<30		>0.050		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanaone	<30		>0.050		Methylene Chloride	<30		>0.050	
2-Hexanone	<30		>0.050		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.050		Tetrachloroethene	<30		>0.050	
Acetone	<30		>0.050		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromodichloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromoform	<30	38%	>0.100		Trichloroethene	<30		>0.050	
Bromomethane	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Carbon Disulfide	<30		>0.050		Vinyl Chloride	<30		>0.050	
					Xylenes	<30		>0.050	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: No
TCL Compounds %D between 30% and 60% (J - qualify) Only if detected in a sample
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Benzene				Tetrachloroethene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
2	148,066	3,604,297	1.027	1.027	28,057	1,088,354	0.644	0.644
5	380,037	3,742,547	1.015	1.015	73,062	1,118,390	0.653	0.653
20	1,435,229	3,446,504	1.041	1.041	270,775	1,074,964	0.630	0.630
50	3,789,691	3,363,605	1.127	1.127	719,952	1,047,111	0.688	0.688
100	6,991,737	3,364,867	1.039	1.039	1,403,824	1,065,027	0.659	0.659
150	10,580,607	3,442,774	1.024	1.024	2,230,583	1,111,024	0.669	0.669
200	13,289,457	3,358,559	0.989	0.989	3,011,244	1,105,084	0.681	0.681
Average			1.038	1.038			0.661	0.661
			Calc	Reported			Calc	Reported
%RSD			4.14	4.14%			3.09	3.09%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: MS03 10
Level: Low
Tune File ID: J8285.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: J8286.D **Date:** 1/23/2006 **Page:** 357
Initial Calibration File ID: J7715 **Date:** 12/7/2005 **Page:** 275
Associated Samples: QC-4302, 0601093-002, 0601101-004, 0601093-001, 0601101-001, 0601101-002, 0601101-003

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<25		>0.050		Carbon Tetrachloride	<25	39%	>0.050	
1,1,2,2-Tetrachloroethane	<25		>0.300		Chlorobenzene	<25		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<25		>0.050		Chloroethane	<25	31%	>0.050	
					Chloroform	<25		>0.050	
1,1,2-Trichloroethane	<25		>0.050		Chloromethane	<25		>0.100	
1,1-Dichloroethane	<25		>0.100		cis-1,2-Dichloroethene	<25		>0.050	
1,1-Dichloroeethene	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,2,4-Trichlorobenzene	<25		>0.050		Cyclohexane	<25		>0.050	
1,2-Dibromo-3-chloropropane	<25		>0.050		Dibromochloromethane	<25		>0.050	
1,2-Dibromoethane	<25		>0.050		Dichlorodifluoromethane	<25		>0.050	
1,2-Dichlorobenzene	<25		>0.050		Ethylbenzene	<25		>0.050	
1,2-Dichloroethane	<25		>0.050		Isopropylbenzene	<25		>0.050	
1,2-Dichloropropane	<25		>0.050		Methyl acetate	<25		>0.050	
1,3-Dichlorobenzene	<25		>0.050		Methyl tert-butyl ether	<25		>0.050	
1,4-dichlorobenzene	<25		>0.050		Methylcyclohexane	<25		>0.050	
2-Butanaone	<25		>0.050		Methylene Chloride	<25		>0.050	
2-Hexanone	<25		>0.050		Styrene	<25		>0.050	
4-Methyl-2-pentanone	<25		>0.050		Tetrachloroethene	<25		>0.050	
Acetone	<25		>0.050		Toluene	<25		>0.050	
Benzene	<25		>0.050		trans-1,2-Dichloroethene	<25		>0.050	
Bromodichloromethane	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Bromoform	<25	34%	>0.100		Trichloroethene	<25		>0.050	
Bromomethane	<25	26%	>0.050		Trichlorofluoromethane	<25		>0.050	
Carbon Disulfide	<25		>0.050		Vinyl Chloride	<25		>0.050	
					Xylenes	<25		>0.050	

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	29%		>0.050	
toluene-d8	26%		>0.050	
4-bromofluorobenzene	28%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: No
TCL Compounds %D between 25% and 50% (J - qualify) Only if detected in a sample
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Carbon Disulfide				Chlorobenzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
50	3,671,879	3,098,996	1.185	1.185	1,759,343	1,013,403	1.736	1.736
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.949	Calc	Reported		1.784	Calc	0
			24.85	24.90			-2.69	2.7

Method Blank: MB-4302 Page: 396
Acetone 1.92 ug/kg

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: MS03 10
Level: Low
Tune File ID: J8307.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: J8308.D **Date:** 1/24/2006 **Page:** 366
Initial Calibration File ID: J7715 **Date:** 12/7/2005 **Page:** 275
Associated Samples: QC-4316, 0601120-001MS, 0601120-001MSD, 0601120-004, 0601120-001, 0601120-002, 0601120-003, 0601120-005, 0601120-006

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<25		>0.050		Carbon Tetrachloride	<25	25.3% OK	>0.050	
1,1,2,2-Tetrachloroethane	<25		>0.300		Chlorobenzene	<25		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<25		>0.050		Chloroethane	<25	31%	>0.050	
					Chloroform	<25		>0.050	
1,1,2-Trichloroethane	<25		>0.050		Chloromethane	<25		>0.100	
1,1-Dichloroethane	<25		>0.100		cis-1,2-Dichloroethene	<25		>0.050	
1,1-Dichloroethene	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,2,4-Trichlorobenzene	<25		>0.050		Cyclohexane	<25		>0.050	
1,2-Dibromo-3-chloropropane	<25		>0.050		Dibromochloromethane	<25		>0.050	
1,2-Dibromoethane	<25		>0.050		Dichlorodifluoromethane	<25		>0.050	
1,2-Dichlorobenzene	<25		>0.050		Ethylbenzene	<25		>0.050	
1,2-Dichloroethane	<25		>0.050		Isopropylbenzene	<25		>0.050	
1,2-Dichloropropane	<25		>0.050		Methyl acetate	<25		>0.050	
1,3-Dichlorobenzene	<25		>0.050		Methyl tert-butyl ether	<25		>0.050	
1,4-dichlorobenzene	<25		>0.050		Methylcyclohexane	<25		>0.050	
2-Butanaone	<25		>0.050		Methylene Chloride	<25		>0.050	
2-Hexanone	<25		>0.050		Styrene	<25		>0.050	
4-Methyl-2-pentanone	<25		>0.050		Tetrachloroethene	<25		>0.050	
Acetone	<25		>0.050		Toluene	<25		>0.050	
Benzene	<25		>0.050		trans-1,2-Dichloroethene	<25		>0.050	
Bromodichloromethane	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Bromoform	<25	32%	>0.100		Trichloroethene	<25		>0.050	
Bromomethane	<25		>0.050		Trichlorofluoromethane	<25		>0.050	
Carbon Disulfide	<25		>0.050		Vinyl Chloride	<25		>0.050	
					Xylenes	<25		>0.050	

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	29%		>0.050	
toluene-d8	26%		>0.050	
4-bromofluorobenzene	28%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: No
TCL Compounds %D between 25% and 50% (J - qualify) Only if detected in a sample
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Cyclohexane				Ethylbenzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
50	1,312,826	3,119,949	0.421	0.421	3,024,803	1,025,690	2.949	2.949
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.46	Calc	Reported		3.089	Calc	Reported
			-8.53	8.50			-4.53	4.5

Method Blank: MB3366 Page: 744
Methylene Chloride 1.520 ug/kg

VOLATILE ORGANICS

SUMMARY OF THE ANALYTICAL DATA USABILITY
Gem Cleaners – Rockville Center, NY

Soil Volatile Organic Analyses
Samples Collected March 3, 2006
Samples Received March 4, 2006
Sample Delivery Group: 0603024 Soil
Laboratory Reference Numbers:

GEM-SB-7 (S-10)	0603024-001
GEM-SB-7 (S-6)	0603024-002
GEM-SB-7 (S-6) MS	0603024-002 MS
GEM-SB-7 (S-6) MSD	0603024-002 MSD
STORAGE BLANK	0603024-003

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: MS02 12
Level: Low
Tune File ID: TA\M8695.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: TA\M8695.D **Date:** 3/9/2006 **Page:** 95
Associated Samples: QC-4764, 0603024-002 MS, 0603024-002 MSD, 0603024-003, 0603024-002, 0603024-001

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon Tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.300		Chlorobenzene	<30		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<30		>0.050		Chloroethane	<30		>0.050	
					Chloroform	<30		>0.050	
1,1,2-Trichloroethane	<30		>0.050		Chloromethane	<30		>0.100	
1,1-Dichloroethane	<30		>0.100		cis-1,2-Dichloroethene	<30		>0.050	
1,1-Dichloroethene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<30		>0.050	
1,2-Dibromo-3-chloropropane	<30		>0.050		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<30		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<30		>0.050		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl-tert-butyl ether	<30		>0.050	
1,4-dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanaone	<30		>0.050		Methylene Chloride	<30		>0.050	
2-Hexanone	<30		>0.050		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.050		Tetrachloroethene	<30		>0.050	
Acetone	<30		>0.050		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromodichloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromoform	<30		>0.100		Trichloroethene	<30		>0.050	
Bromomethane	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Carbon Disulfide	<30		>0.050		Vinyl Chloride	<30		>0.050	
					Xylenes	<30		>0.050	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 30% and 60% (J - qualify) N/A
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	1,1-Dichloroethane				Tetrachloroethene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
2	47,820	2,555,145	0.468	0.468	48,013	1,306,276	0.919	0.919
5	133,305	2,690,185	0.496	0.496	129,001	1,414,157	0.912	0.912
20	514,134	2,676,288	0.480	0.480	540,169	1,438,723	0.939	0.939
50	1,409,456	2,519,633	0.559	0.559	1,251,241	1,247,225	1.003	1.003
100	2,810,230	2,472,616	0.568	0.568	2,349,996	1,324,022	0.887	0.887
150	4,307,711	2,590,460	0.554	0.554	3,631,111	1,369,706	0.884	0.884
200	5,805,954	2,600,054	0.558	0.558	4,893,857	1,328,428	0.921	0.921
Average			0.526	0.526			0.924	0.924
			Calc	Reported			Calc	Reported
%RSD			8.19	8.19%			4.34	4.34%

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601093-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-1 (S-7)***
W Order:	0601093	**Collection Date:**	01/17/06 12:00
Matrix:	SOIL	**Date Received:**	01/18/06 16:45
Inst. ID:	MS03 10	**Sample Size:** 4.98 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 21.0	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8302.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		6.3	0.10	µg/Kg-dry	1	01/23/06 17:52
Chloromethane	ND		6.3	0.48	µg/Kg-dry	1	01/23/06 17:52
Vinyl chloride	ND		6.3	0.10	µg/Kg-dry	1	01/23/06 17:52
Bromomethane	ND		6.3	0.38	µg/Kg-dry	1	01/23/06 17:52
Chloroethane	ND		6.3	0.37	µg/Kg-dry	1	01/23/06 17:52
Trichlorofluoromethane	ND		6.3	0.10	µg/Kg-dry	1	01/23/06 17:52
1,1-Dichloroethene	ND		3.2	0.18	µg/Kg-dry	1	01/23/06 17:52
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.2	0.13	µg/Kg-dry	1	01/23/06 17:52
Acetone	3.9	J	13	0.49	µg/Kg-dry	1	01/23/06 17:52
Carbon disulfide	ND		3.2	0.08	µg/Kg-dry	1	01/23/06 17:52
Methyl acetate	ND		3.2	0.46	µg/Kg-dry	1	01/23/06 17:52
Methylene chloride	ND		6.3	0.51	µg/Kg-dry	1	01/23/06 17:52
trans-1,2-Dichloroethene	ND		3.2	0.13	µg/Kg-dry	1	01/23/06 17:52
Methyl tert-butyl ether	ND		3.2	0.09	µg/Kg-dry	1	01/23/06 17:52
1,1-Dichloroethane	ND		3.2	0.13	µg/Kg-dry	1	01/23/06 17:52
cis-1,2-Dichloroethene	ND		3.2	0.14	µg/Kg-dry	1	01/23/06 17:52
2-Butanone	ND		13	0.18	µg/Kg-dry	1	01/23/06 17:52
Chloroform	ND		3.2	0.05	µg/Kg-dry	1	01/23/06 17:52
1,1,1-Trichloroethane	ND		3.2	0.13	µg/Kg-dry	1	01/23/06 17:52
Cyclohexane	ND		3.2	0.52	µg/Kg-dry	1	01/23/06 17:52
Carbon tetrachloride	ND		3.2	0.14	µg/Kg-dry	1	01/23/06 17:52
Benzene	ND		3.2	0.11	µg/Kg-dry	1	01/23/06 17:52
1,2-Dichloroethane	ND		3.2	0.13	µg/Kg-dry	1	01/23/06 17:52
Trichloroethene	ND		3.2	0.14	µg/Kg-dry	1	01/23/06 17:52
Methylcyclohexane	ND		3.2	0.16	µg/Kg-dry	1	01/23/06 17:52
1,2-Dichloropropane	ND		3.2	0.10	µg/Kg-dry	1	01/23/06 17:52
Bromodichloromethane	ND		3.2	0.10	µg/Kg-dry	1	01/23/06 17:52
cis-1,3-Dichloropropene	ND		3.2	0.11	µg/Kg-dry	1	01/23/06 17:52
4-Methyl-2-pentanone	ND		6.3	0.30	µg/Kg-dry	1	01/23/06 17:52
Toluene	ND		3.2	0.15	µg/Kg-dry	1	01/23/06 17:52
trans-1,3-Dichloropropene	ND		3.2	0.11	µg/Kg-dry	1	01/23/06 17:52
1,1,2-Trichloroethane	ND		3.2	0.14	µg/Kg-dry	1	01/23/06 17:52
Tetrachloroethene	11		3.2	0.18	µg/Kg-dry	1	01/23/06 17:52
2-Hexanone	ND		6.3	0.28	µg/Kg-dry	1	01/23/06 17:52

Qualifiers:

- 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

Print Date: 01/24/06 10:30 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601093-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-1 (S-7)***
W Order:	0601093	**Collection Date:**	01/17/06 12:00
Matrix:	SOIL	**Date Received:**	01/18/06 16:45
Inst. ID:	MS03 10	**Sample Size:** 4.98 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 21.0	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8302.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.2	0.16	µg/Kg-dry	1	01/23/06 17:52
1,2-Dibromoethane	ND		3.2	0.11	µg/Kg-dry	1	01/23/06 17:52
Chlorobenzene	ND		3.2	0.11	µg/Kg-dry	1	01/23/06 17:52
Ethylbenzene	ND		3.2	0.13	µg/Kg-dry	1	01/23/06 17:52
Xylenes (total)	ND		6.3	0.23	µg/Kg-dry	1	01/23/06 17:52
Styrene	ND		3.2	0.13	µg/Kg-dry	1	01/23/06 17:52
Bromoform	ND		3.2	0.08	µg/Kg-dry	1	01/23/06 17:52
Isopropylbenzene	ND		3.2	0.10	µg/Kg-dry	1	01/23/06 17:52
1,1,2,2-Tetrachloroethane	ND		3.2	0.20	µg/Kg-dry	1	01/23/06 17:52
1,3-Dichlorobenzene	ND		3.2	0.13	µg/Kg-dry	1	01/23/06 17:52
1,4-Dichlorobenzene	ND		3.2	0.16	µg/Kg-dry	1	01/23/06 17:52
1,2-Dichlorobenzene	ND		3.2	0.11	µg/Kg-dry	1	01/23/06 17:52
1,2-Dibromo-3-chloropropane	ND		6.3	0.51	µg/Kg-dry	1	01/23/06 17:52
1,2,4-Trichlorobenzene	ND		6.3	0.43	µg/Kg-dry	1	01/23/06 17:52
Surr: Dibromofluoromethane	96.3		40-156	0.23	%REC	1	01/23/06 17:52
Surr: 1,2-Dichloroethane-d4	81.8		71-128	0.16	%REC	1	01/23/06 17:52
Surr: Toluene-d8	94.7		75-125	0.15	%REC	1	01/23/06 17:52
Surr: 4-Bromofluorobenzene	83.9		59-125	0.11	%REC	1	01/23/06 17:52

Qualifiers:

- 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

Print Date: 01/24/06 10:30 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 23 Jan 2006 17:52
Data File: C:\HPCHEM\1\DATA\J8302.D
Name: 0601093-001A
Misc: SAMP,8260S_OLM42, 4.98G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8302.D JD07NTCL.M Thu Feb 09 12:54:45 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601093-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***STORAGE BLANK***
W Order:	0601093	**Collection Date:**	01/19/06 0:00
Matrix:	WATER	**Date Received:**	01/18/06 16:45
Inst. ID:	MS03 10	**Sample Size:** 5 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8292.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.0	0.08	µg/Kg	1	01/23/06 12:02
Chloromethane	ND		5.0	0.38	µg/Kg	1	01/23/06 12:02
Vinyl chloride	ND		5.0	0.08	µg/Kg	1	01/23/06 12:02
Bromomethane	ND		5.0	0.30	µg/Kg	1	01/23/06 12:02
Chloroethane	ND		5.0	0.29	µg/Kg	1	01/23/06 12:02
Trichlorofluoromethane	ND		5.0	0.08	µg/Kg	1	01/23/06 12:02
1,1-Dichloroethene	ND		2.5	0.14	µg/Kg	1	01/23/06 12:02
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.5	0.10	µg/Kg	1	01/23/06 12:02
Acetone	2.7	J	10	0.39	µg/Kg	1	01/23/06 12:02
Carbon disulfide	ND		2.5	0.06	µg/Kg	1	01/23/06 12:02
Methyl acetate	ND		2.5	0.36	µg/Kg	1	01/23/06 12:02
Methylene chloride	2.6	J	5.0	0.40	µg/Kg	1	01/23/06 12:02
trans-1,2-Dichloroethene	ND		2.5	0.10	µg/Kg	1	01/23/06 12:02
Methyl tert-butyl ether	ND		2.5	0.07	µg/Kg	1	01/23/06 12:02
1,1-Dichloroethane	ND		2.5	0.10	µg/Kg	1	01/23/06 12:02
cis-1,2-Dichloroethene	ND		2.5	0.11	µg/Kg	1	01/23/06 12:02
2-Butanone	ND		10	0.14	µg/Kg	1	01/23/06 12:02
Chloroform	ND		2.5	0.04	µg/Kg	1	01/23/06 12:02
1,1,1-Trichloroethane	ND		2.5	0.10	µg/Kg	1	01/23/06 12:02
Cyclohexane	ND		2.5	0.41	µg/Kg	1	01/23/06 12:02
Carbon tetrachloride	ND		2.5	0.11	µg/Kg	1	01/23/06 12:02
Benzene	ND		2.5	0.09	µg/Kg	1	01/23/06 12:02
1,2-Dichloroethane	ND		2.5	0.10	µg/Kg	1	01/23/06 12:02
Trichloroethene	ND		2.5	0.11	µg/Kg	1	01/23/06 12:02
Methylcyclohexane	ND		2.5	0.13	µg/Kg	1	01/23/06 12:02
1,2-Dichloropropane	ND		2.5	0.08	µg/Kg	1	01/23/06 12:02
Bromodichloromethane	ND		2.5	0.08	µg/Kg	1	01/23/06 12:02
cis-1,3-Dichloropropene	ND		2.5	0.09	µg/Kg	1	01/23/06 12:02
4-Methyl-2-pentanone	ND		5.0	0.24	µg/Kg	1	01/23/06 12:02
Toluene	ND		2.5	0.12	µg/Kg	1	01/23/06 12:02
trans-1,3-Dichloropropene	ND		2.5	0.09	µg/Kg	1	01/23/06 12:02
1,1,2-Trichloroethane	ND		2.5	0.11	µg/Kg	1	01/23/06 12:02
Tetrachloroethene	ND		2.5	0.14	µg/Kg	1	01/23/06 12:02
2-Hexanone	ND		5.0	0.22	µg/Kg	1	01/23/06 12:02

Qualifiers:

- 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

Print Date: 01/24/06 10:30 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 23 Jan 2006 12:02
Data File: C:\HPCHEM\1\DATA\J8292.D
Name: 0601093-002A
Misc: SAMP,8260S_OLM42,
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8292.D JD07NTCL.M Thu Feb 09 12:54:41 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601101-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-2(S-10)***
W Order:	0601101	**Collection Date:**	01/17/06 17:00
Matrix:	SOIL	**Date Received:**	01/19/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.98 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 14.4	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8303.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/23/06 18:27
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/23/06 18:27
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/23/06 18:27
Bromomethane	ND		5.8	0.35	µg/Kg-dry	1	01/23/06 18:27
Chloroethane	ND		5.8	0.34	µg/Kg-dry	1	01/23/06 18:27
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/23/06 18:27
1,1-Dichloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/23/06 18:27
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 18:27
Acetone	1.8	J	12	0.46	µg/Kg-dry	1	01/23/06 18:27
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/23/06 18:27
Methyl acetate	ND		2.9	0.42	µg/Kg-dry	1	01/23/06 18:27
Methylene chloride	ND		5.8	0.47	µg/Kg-dry	1	01/23/06 18:27
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 18:27
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/23/06 18:27
1,1-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 18:27
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/23/06 18:27
2-Butanone	ND		12	0.16	µg/Kg-dry	1	01/23/06 18:27
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/23/06 18:27
1,1,1-Trichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 18:27
Cyclohexane	ND		2.9	0.48	µg/Kg-dry	1	01/23/06 18:27
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/23/06 18:27
Benzene	ND		2.9	0.11	µg/Kg-dry	1	01/23/06 18:27
1,2-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 18:27
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/23/06 18:27
Methylcyclohexane	ND		2.9	0.15	µg/Kg-dry	1	01/23/06 18:27
1,2-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/23/06 18:27
Bromodichloromethane	ND		2.9	0.09	µg/Kg-dry	1	01/23/06 18:27
cis-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/23/06 18:27
4-Methyl-2-pentanone	ND		5.8	0.28	µg/Kg-dry	1	01/23/06 18:27
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/23/06 18:27
trans-1,3-Dichloropropene	ND		2.9	0.11	µg/Kg-dry	1	01/23/06 18:27
1,1,2-Trichloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/23/06 18:27
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/23/06 18:27
2-Hexanone	ND		5.8	0.26	µg/Kg-dry	1	01/23/06 18:27

Qualifiers:

- 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

Print Date: 01/24/06 10:31 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601101-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-2(S-10)***
W Order:	0601101	**Collection Date:**	01/17/06 17:00
Matrix:	SOIL	**Date Received:**	01/19/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.98 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 14.4	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8303.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/23/06 18:27
1,2-Dibromoethane	ND		2.9	0.11	µg/Kg-dry	1	01/23/06 18:27
Chlorobenzene	ND		2.9	0.11	µg/Kg-dry	1	01/23/06 18:27
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 18:27
Xylenes (total)	ND		5.8	0.21	µg/Kg-dry	1	01/23/06 18:27
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 18:27
Bromoform	ND		2.9	0.07	µg/Kg-dry	1	01/23/06 18:27
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/23/06 18:27
1,1,2,2-Tetrachloroethane	ND		2.9	0.19	µg/Kg-dry	1	01/23/06 18:27
1,3-Dichlorobenzene	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 18:27
1,4-Dichlorobenzene	ND		2.9	0.15	µg/Kg-dry	1	01/23/06 18:27
1,2-Dichlorobenzene	ND		2.9	0.11	µg/Kg-dry	1	01/23/06 18:27
1,2-Dibromo-3-chloropropane	ND		5.8	0.47	µg/Kg-dry	1	01/23/06 18:27
1,2,4-Trichlorobenzene	ND		5.8	0.40	µg/Kg-dry	1	01/23/06 18:27
Surr: Dibromofluoromethane	98.1		40-156	0.21	%REC	1	01/23/06 18:27
Surr: 1,2-Dichloroethane-d4	83.3		71-128	0.15	%REC	1	01/23/06 18:27
Surr: Toluene-d8	94.3		75-125	0.14	%REC	1	01/23/06 18:27
Surr: 4-Bromofluorobenzene	82.0		59-125	0.11	%REC	1	01/23/06 18:27

Qualifiers:

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		

Print Date: 01/24/06 10:31 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 23 Jan 2006 18:27
Data File: C:\HPCHEM\1\DATA\J8303.D
Name: 0601101-001A
Misc: SAMP,8260S_OLM42, 4.98G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8303.D JD07NTCL.M Thu Feb 09 12:54:47 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601101-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-3 (S-8)***
W Order:	0601101	**Collection Date:**	01/18/06 15:00
Matrix:	SOIL	**Date Received:**	01/19/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 17.2	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8305.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		6.0	0.10	µg/Kg-dry	1	01/23/06 19:36
Chloromethane	ND		6.0	0.46	µg/Kg-dry	1	01/23/06 19:36
Vinyl chloride	ND		6.0	0.10	µg/Kg-dry	1	01/23/06 19:36
Bromomethane	ND		6.0	0.36	µg/Kg-dry	1	01/23/06 19:36
Chloroethane	ND		6.0	0.35	µg/Kg-dry	1	01/23/06 19:36
Trichlorofluoromethane	ND		6.0	0.10	µg/Kg-dry	1	01/23/06 19:36
1,1-Dichloroethene	ND		3.0	0.17	µg/Kg-dry	1	01/23/06 19:36
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.12	µg/Kg-dry	1	01/23/06 19:36
Acetone	2.3	J	12	0.47	µg/Kg-dry	1	01/23/06 19:36
Carbon disulfide	ND		3.0	0.07	µg/Kg-dry	1	01/23/06 19:36
Methyl acetate	ND		3.0	0.43	µg/Kg-dry	1	01/23/06 19:36
Methylene chloride	ND		6.0	0.48	µg/Kg-dry	1	01/23/06 19:36
trans-1,2-Dichloroethene	ND		3.0	0.12	µg/Kg-dry	1	01/23/06 19:36
Methyl tert-butyl ether	ND		3.0	0.08	µg/Kg-dry	1	01/23/06 19:36
1,1-Dichloroethane	ND		3.0	0.12	µg/Kg-dry	1	01/23/06 19:36
cis-1,2-Dichloroethene	ND		3.0	0.13	µg/Kg-dry	1	01/23/06 19:36
2-Butanone	ND		12	0.17	µg/Kg-dry	1	01/23/06 19:36
Chloroform	ND		3.0	0.05	µg/Kg-dry	1	01/23/06 19:36
1,1,1-Trichloroethane	ND		3.0	0.12	µg/Kg-dry	1	01/23/06 19:36
Cyclohexane	ND		3.0	0.49	µg/Kg-dry	1	01/23/06 19:36
Carbon tetrachloride	ND		3.0	0.13	µg/Kg-dry	1	01/23/06 19:36
Benzene	ND		3.0	0.11	µg/Kg-dry	1	01/23/06 19:36
1,2-Dichloroethane	ND		3.0	0.12	µg/Kg-dry	1	01/23/06 19:36
Trichloroethene	ND		3.0	0.13	µg/Kg-dry	1	01/23/06 19:36
Methylcyclohexane	ND		3.0	0.16	µg/Kg-dry	1	01/23/06 19:36
1,2-Dichloropropane	ND		3.0	0.10	µg/Kg-dry	1	01/23/06 19:36
Bromodichloromethane	ND		3.0	0.10	µg/Kg-dry	1	01/23/06 19:36
cis-1,3-Dichloropropene	ND		3.0	0.11	µg/Kg-dry	1	01/23/06 19:36
4-Methyl-2-pentanone	ND		6.0	0.29	µg/Kg-dry	1	01/23/06 19:36
Toluene	ND		3.0	0.14	µg/Kg-dry	1	01/23/06 19:36
trans-1,3-Dichloropropene	ND		3.0	0.11	µg/Kg-dry	1	01/23/06 19:36
1,1,2-Trichloroethane	ND		3.0	0.13	µg/Kg-dry	1	01/23/06 19:36
Tetrachloroethene	ND		3.0	0.17	µg/Kg-dry	1	01/23/06 19:36
2-Hexanone	ND		6.0	0.27	µg/Kg-dry	1	01/23/06 19:36

Qualifiers:

- 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

Print Date: 01/24/06 10:31 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601101-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-3 (S-8)***
W Order:	0601101	**Collection Date:**	01/18/06 15:00
Matrix:	SOIL	**Date Received:**	01/19/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 17.2	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8305.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.0	0.16	µg/Kg-dry	1	01/23/06 19:36
1,2-Dibromoethane	ND		3.0	0.11	µg/Kg-dry	1	01/23/06 19:36
Chlorobenzene	ND		3.0	0.11	µg/Kg-dry	1	01/23/06 19:36
Ethylbenzene	ND		3.0	0.12	µg/Kg-dry	1	01/23/06 19:36
Xylenes (total)	ND		6.0	0.22	µg/Kg-dry	1	01/23/06 19:36
Styrene	ND		3.0	0.12	µg/Kg-dry	1	01/23/06 19:36
Bromoform	ND		3.0	0.07	µg/Kg-dry	1	01/23/06 19:36
Isopropylbenzene	ND		3.0	0.10	µg/Kg-dry	1	01/23/06 19:36
1,1,2,2-Tetrachloroethane	ND		3.0	0.19	µg/Kg-dry	1	01/23/06 19:36
1,3-Dichlorobenzene	ND		3.0	0.12	µg/Kg-dry	1	01/23/06 19:36
1,4-Dichlorobenzene	ND		3.0	0.16	µg/Kg-dry	1	01/23/06 19:36
1,2-Dichlorobenzene	ND		3.0	0.11	µg/Kg-dry	1	01/23/06 19:36
1,2-Dibromo-3-chloropropane	ND		6.0	0.48	µg/Kg-dry	1	01/23/06 19:36
1,2,4-Trichlorobenzene	ND		6.0	0.41	µg/Kg-dry	1	01/23/06 19:36
Surr: Dibromofluoromethane	98.5		40-156	0.22	%REC	1	01/23/06 19:36
Surr: 1,2-Dichloroethane-d4	82.6		71-128	0.16	%REC	1	01/23/06 19:36
Surr: Toluene-d8	93.6		75-125	0.14	%REC	1	01/23/06 19:36
Surr: 4-Bromofluorobenzene	81.7		59-125	0.11	%REC	1	01/23/06 19:36

Qualifiers:

- 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

Print Date: 01/24/06 10:31 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 23 Jan 2006 19:36
Data File: C:\HPCHEM\1\DATA\J8305.D
Name: 0601101-003A
Misc: SAMP,8260S_OLM42, 4.99G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8305.D JD07NTCL.M Thu Feb 09 12:54:52 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601101-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***STORAGE BLANK***
W Order:	0601101	**Collection Date:**	01/19/06 0:00
Matrix:	WATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8294.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.0	0.08	µg/Kg	1	01/23/06 13:12
Chloromethane	ND		5.0	0.38	µg/Kg	1	01/23/06 13:12
Vinyl chloride	ND		5.0	0.08	µg/Kg	1	01/23/06 13:12
Bromomethane	ND		5.0	0.30	µg/Kg	1	01/23/06 13:12
Chloroethane	ND		5.0	0.29	µg/Kg	1	01/23/06 13:12
Trichlorofluoromethane	ND		5.0	0.08	µg/Kg	1	01/23/06 13:12
1,1-Dichloroethene	ND		2.5	0.14	µg/Kg	1	01/23/06 13:12
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.5	0.10	µg/Kg	1	01/23/06 13:12
Acetone	2.3	J	10	0.39	µg/Kg	1	01/23/06 13:12
Carbon disulfide	ND		2.5	0.06	µg/Kg	1	01/23/06 13:12
Methyl acetate	ND		2.5	0.36	µg/Kg	1	01/23/06 13:12
Methylene chloride	2.6	J	5.0	0.40	µg/Kg	1	01/23/06 13:12
trans-1,2-Dichloroethene	ND		2.5	0.10	µg/Kg	1	01/23/06 13:12
Methyl tert-butyl ether	ND		2.5	0.07	µg/Kg	1	01/23/06 13:12
1,1-Dichloroethane	ND		2.5	0.10	µg/Kg	1	01/23/06 13:12
cis-1,2-Dichloroethene	ND		2.5	0.11	µg/Kg	1	01/23/06 13:12
2-Butanone	ND		10	0.14	µg/Kg	1	01/23/06 13:12
Chloroform	ND		2.5	0.04	µg/Kg	1	01/23/06 13:12
1,1,1-Trichloroethane	ND		2.5	0.10	µg/Kg	1	01/23/06 13:12
Cyclohexane	ND		2.5	0.41	µg/Kg	1	01/23/06 13:12
Carbon tetrachloride	ND		2.5	0.11	µg/Kg	1	01/23/06 13:12
Benzene	ND		2.5	0.09	µg/Kg	1	01/23/06 13:12
1,2-Dichloroethane	ND		2.5	0.10	µg/Kg	1	01/23/06 13:12
Trichloroethene	ND		2.5	0.11	µg/Kg	1	01/23/06 13:12
Methylcyclohexane	ND		2.5	0.13	µg/Kg	1	01/23/06 13:12
1,2-Dichloropropane	ND		2.5	0.08	µg/Kg	1	01/23/06 13:12
Bromodichloromethane	ND		2.5	0.08	µg/Kg	1	01/23/06 13:12
cis-1,3-Dichloropropene	ND		2.5	0.09	µg/Kg	1	01/23/06 13:12
4-Methyl-2-pentanone	ND		5.0	0.24	µg/Kg	1	01/23/06 13:12
Toluene	ND		2.5	0.12	µg/Kg	1	01/23/06 13:12
trans-1,3-Dichloropropene	ND		2.5	0.09	µg/Kg	1	01/23/06 13:12
1,1,2-Trichloroethane	ND		2.5	0.11	µg/Kg	1	01/23/06 13:12
Tetrachloroethene	ND		2.5	0.14	µg/Kg	1	01/23/06 13:12
2-Hexanone	ND		5.0	0.22	µg/Kg	1	01/23/06 13:12

Qualifiers:

- 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

Print Date: 01/24/06 10:31 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601101-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***STORAGE BLANK***
W Order:	0601101	**Collection Date:**	01/19/06 0:00
Matrix:	WATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8294.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.5	0.13	µg/Kg	1	01/23/06 13:12
1,2-Dibromoethane	ND		2.5	0.09	µg/Kg	1	01/23/06 13:12
Chlorobenzene	ND		2.5	0.09	µg/Kg	1	01/23/06 13:12
Ethylbenzene	ND		2.5	0.10	µg/Kg	1	01/23/06 13:12
Xylenes (total)	ND		5.0	0.18	µg/Kg	1	01/23/06 13:12
Styrene	ND		2.5	0.10	µg/Kg	1	01/23/06 13:12
Bromoform	ND		2.5	0.06	µg/Kg	1	01/23/06 13:12
Isopropylbenzene	ND		2.5	0.08	µg/Kg	1	01/23/06 13:12
1,1,2,2-Tetrachloroethane	ND		2.5	0.16	µg/Kg	1	01/23/06 13:12
1,3-Dichlorobenzene	ND		2.5	0.10	µg/Kg	1	01/23/06 13:12
1,4-Dichlorobenzene	ND		2.5	0.13	µg/Kg	1	01/23/06 13:12
1,2-Dichlorobenzene	ND		2.5	0.09	µg/Kg	1	01/23/06 13:12
1,2-Dibromo-3-chloropropane	ND		5.0	0.40	µg/Kg	1	01/23/06 13:12
1,2,4-Trichlorobenzene	ND		5.0	0.34	µg/Kg	1	01/23/06 13:12
Surr: Dibromofluoromethane	98.6		40-156	0.18	%REC	1	01/23/06 13:12
Surr: 1,2-Dichloroethane-d4	86.1		71-128	0.13	%REC	1	01/23/06 13:12
Surr: Toluene-d8	93.5		75-125	0.12	%REC	1	01/23/06 13:12
Surr: 4-Bromofluorobenzene	84.3		59-125	0.09	%REC	1	01/23/06 13:12

Qualifiers:

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		

Print Date: 01/24/06 10:31 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 23 Jan 2006 13:12
Data File: C:\HPCHEM\1\DATA\J8294.D
Name: 0601101-004A
Misc: SAMP,8260S_OLM42,
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8294.D JD07NTCL.M Thu Feb 09 12:54:43 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601101-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-3 (S-10)***
W Order:	0601101	**Collection Date:**	01/18/06 15:00
Matrix:	SOIL	**Date Received:**	01/19/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 13.2	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8304.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/23/06 19:02
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/23/06 19:02
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/23/06 19:02
Bromomethane	ND		5.8	0.35	µg/Kg-dry	1	01/23/06 19:02
Chloroethane	ND		5.8	0.33	µg/Kg-dry	1	01/23/06 19:02
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/23/06 19:02
1,1-Dichloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/23/06 19:02
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 19:02
Acetone	2.1	J	12	0.45	µg/Kg-dry	1	01/23/06 19:02
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/23/06 19:02
Methyl acetate	ND		2.9	0.41	µg/Kg-dry	1	01/23/06 19:02
Methylene chloride	ND		5.8	0.46	µg/Kg-dry	1	01/23/06 19:02
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 19:02
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/23/06 19:02
1,1-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 19:02
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/23/06 19:02
2-Butanone	ND		12	0.16	µg/Kg-dry	1	01/23/06 19:02
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/23/06 19:02
1,1,1-Trichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 19:02
Cyclohexane	ND		2.9	0.47	µg/Kg-dry	1	01/23/06 19:02
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/23/06 19:02
Benzene	ND		2.9	0.10	µg/Kg-dry	1	01/23/06 19:02
1,2-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 19:02
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/23/06 19:02
Methylcyclohexane	ND		2.9	0.15	µg/Kg-dry	1	01/23/06 19:02
1,2-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/23/06 19:02
Bromodichloromethane	ND		2.9	0.09	µg/Kg-dry	1	01/23/06 19:02
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/23/06 19:02
4-Methyl-2-pentanone	ND		5.8	0.28	µg/Kg-dry	1	01/23/06 19:02
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/23/06 19:02
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/23/06 19:02
1,1,2-Trichloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/23/06 19:02
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/23/06 19:02
2-Hexanone	ND		5.8	0.25	µg/Kg-dry	1	01/23/06 19:02

Qualifiers:

- 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

Print Date: 01/24/06 10:31 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601101-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-3 (S-10)***
W Order:	0601101	**Collection Date:**	01/18/06 15:00
Matrix:	SOIL	**Date Received:**	01/19/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 13.2	**BatchNo:** R4302
Revision:	01/24/06 10:25:00 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8304.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/23/06 19:02
1,2-Dibromoethane	ND		2.9	0.10	µg/Kg-dry	1	01/23/06 19:02
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/23/06 19:02
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 19:02
Xylenes (total)	ND		5.8	0.21	µg/Kg-dry	1	01/23/06 19:02
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 19:02
Bromoform	ND		2.9	0.07	µg/Kg-dry	1	01/23/06 19:02
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/23/06 19:02
1,1,2,2-Tetrachloroethane	ND		2.9	0.18	µg/Kg-dry	1	01/23/06 19:02
1,3-Dichlorobenzene	ND		2.9	0.12	µg/Kg-dry	1	01/23/06 19:02
1,4-Dichlorobenzene	ND		2.9	0.15	µg/Kg-dry	1	01/23/06 19:02
1,2-Dichlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/23/06 19:02
1,2-Dibromo-3-chloropropane	ND		5.8	0.46	µg/Kg-dry	1	01/23/06 19:02
1,2,4-Trichlorobenzene	ND		5.8	0.39	µg/Kg-dry	1	01/23/06 19:02
Surr: Dibromofluoromethane	97.9		40-156	0.21	%REC	1	01/23/06 19:02
Surr: 1,2-Dichloroethane-d4	82.6		71-128	0.15	%REC	1	01/23/06 19:02
Surr: Toluene-d8	94.8		75-125	0.14	%REC	1	01/23/06 19:02
Surr: 4-Bromofluorobenzene	80.6		59-125	0.10	%REC	1	01/23/06 19:02

Qualifiers:

- 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

Print Date: 01/24/06 10:31 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 23 Jan 2006 19:02
Data File: C:\HPCHEM\1\DATA\J8304.D
Name: 0601101-002A
Misc: SAMP,8260S_OLM42, 4.99G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8304.D JD07NTCL.M Thu Feb 09 12:54:50 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601120-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-4 (S-7)***
W Order:	0601120	**Collection Date:**	01/19/06 11:00
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5.02 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 19.6	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8314.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/24/06 12:39
Chloromethane	ND		6.2	0.47	µg/Kg-dry	1	01/24/06 12:39
Vinyl chloride	ND		6.2	0.10	µg/Kg-dry	1	01/24/06 12:39
Bromomethane	ND		6.2	0.37	µg/Kg-dry	1	01/24/06 12:39
Chloroethane	ND		6.2	0.36	µg/Kg-dry	1	01/24/06 12:39
Trichlorofluoromethane	ND		6.2	0.10	µg/Kg-dry	1	01/24/06 12:39
1,1-Dichloroethene	ND		3.1	0.17	µg/Kg-dry	1	01/24/06 12:39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	0.12	µg/Kg-dry	1	01/24/06 12:39
Acetone	2.4	J	12	0.49	µg/Kg-dry	1	01/24/06 12:39
Carbon disulfide	ND		3.1	0.07	µg/Kg-dry	1	01/24/06 12:39
Methyl acetate	ND		3.1	0.45	µg/Kg-dry	1	01/24/06 12:39
Methylene chloride	ND		6.2	0.50	µg/Kg-dry	1	01/24/06 12:39
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	01/24/06 12:39
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	01/24/06 12:39
1,1-Dichloroethane	ND		3.1	0.12	µg/Kg-dry	1	01/24/06 12:39
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/24/06 12:39
2-Butanone	ND		12	0.17	µg/Kg-dry	1	01/24/06 12:39
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	01/24/06 12:39
1,1,1-Trichloroethane	ND		3.1	0.12	µg/Kg-dry	1	01/24/06 12:39
Cyclohexane	ND		3.1	0.51	µg/Kg-dry	1	01/24/06 12:39
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	01/24/06 12:39
Benzene	ND		3.1	0.11	µg/Kg-dry	1	01/24/06 12:39
1,2-Dichloroethane	ND		3.1	0.12	µg/Kg-dry	1	01/24/06 12:39
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	01/24/06 12:39
Methylcyclohexane	ND		3.1	0.16	µg/Kg-dry	1	01/24/06 12:39
1,2-Dichloropropane	ND		3.1	0.10	µg/Kg-dry	1	01/24/06 12:39
Bromodichloromethane	ND		3.1	0.10	µg/Kg-dry	1	01/24/06 12:39
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/24/06 12:39
4-Methyl-2-pentanone	ND		6.2	0.30	µg/Kg-dry	1	01/24/06 12:39
Toluene	ND		3.1	0.15	µg/Kg-dry	1	01/24/06 12:39
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	01/24/06 12:39
1,1,2-Trichloroethane	ND		3.1	0.14	µg/Kg-dry	1	01/24/06 12:39
Tetrachloroethene	1.1	J	3.1	0.17	µg/Kg-dry	1	01/24/06 12:39
2-Hexanone	ND		6.2	0.27	µg/Kg-dry	1	01/24/06 12:39

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601120-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-4 (S-7)***
W Order:	0601120	**Collection Date:**	01/19/06 11:00
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5.02 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 19.6	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8314.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	01/24/06 12:39
1,2-Dibromoethane	ND		3.1	0.11	µg/Kg-dry	1	01/24/06 12:39
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/24/06 12:39
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	01/24/06 12:39
Xylenes (total)	ND		6.2	0.22	µg/Kg-dry	1	01/24/06 12:39
Styrene	ND		3.1	0.12	µg/Kg-dry	1	01/24/06 12:39
Bromoform	ND		3.1	0.07	µg/Kg-dry	1	01/24/06 12:39
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	01/24/06 12:39
1,1,2,2-Tetrachloroethane	ND		3.1	0.20	µg/Kg-dry	1	01/24/06 12:39
1,3-Dichlorobenzene	ND		3.1	0.12	µg/Kg-dry	1	01/24/06 12:39
1,4-Dichlorobenzene	ND		3.1	0.16	µg/Kg-dry	1	01/24/06 12:39
1,2-Dichlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	01/24/06 12:39
1,2-Dibromo-3-chloropropane	ND		6.2	0.50	µg/Kg-dry	1	01/24/06 12:39
1,2,4-Trichlorobenzene	ND		6.2	0.42	µg/Kg-dry	1	01/24/06 12:39
Surr: Dibromofluoromethane	99.7		40-156	0.22	%REC	1	01/24/06 12:39
Surr: 1,2-Dichloroethane-d4	82.5		71-128	0.16	%REC	1	01/24/06 12:39
Surr: Toluene-d8	95.0		75-125	0.15	%REC	1	01/24/06 12:39
Surr: 4-Bromofluorobenzene	82.8		59-125	0.11	%REC	1	01/24/06 12:39

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 24 Jan 2006 12:39
Data File: C:\HPCHEM\1\DATA\J8314.D
Name: 0601120-001A
Misc: SAMP,8260S_OLM42, 5.02G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8314.D JD07NTCL.M Thu Feb 09 12:54:58 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601120-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-5 (S-8)***
W Order:	0601120	**Collection Date:**	01/19/06 14:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5.01 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 13.6	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8316.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/24/06 13:49
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/24/06 13:49
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/24/06 13:49
Bromomethane	ND		5.8	0.35	µg/Kg-dry	1	01/24/06 13:49
Chloroethane	ND		5.8	0.34	µg/Kg-dry	1	01/24/06 13:49
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/24/06 13:49
1,1-Dichloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/24/06 13:49
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:49
Acetone	2.2	J	12	0.45	µg/Kg-dry	1	01/24/06 13:49
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/24/06 13:49
Methyl acetate	ND		2.9	0.42	µg/Kg-dry	1	01/24/06 13:49
Methylene chloride	ND		5.8	0.46	µg/Kg-dry	1	01/24/06 13:49
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:49
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/24/06 13:49
1,1-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:49
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/24/06 13:49
2-Butanone	ND		12	0.16	µg/Kg-dry	1	01/24/06 13:49
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/24/06 13:49
1,1,1-Trichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:49
Cyclohexane	ND		2.9	0.47	µg/Kg-dry	1	01/24/06 13:49
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/24/06 13:49
Benzene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:49
1,2-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:49
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/24/06 13:49
Methylcyclohexane	ND		2.9	0.15	µg/Kg-dry	1	01/24/06 13:49
1,2-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/24/06 13:49
Bromodichloromethane	ND		2.9	0.09	µg/Kg-dry	1	01/24/06 13:49
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:49
4-Methyl-2-pentanone	ND		5.8	0.28	µg/Kg-dry	1	01/24/06 13:49
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/24/06 13:49
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:49
1,1,2-Trichloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/24/06 13:49
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/24/06 13:49
2-Hexanone	ND		5.8	0.25	µg/Kg-dry	1	01/24/06 13:49

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601120-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-5 (S-8)***
W Order:	0601120	**Collection Date:**	01/19/06 14:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5.01 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 13.6	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8316.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/24/06 13:49
1,2-Dibromoethane	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:49
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:49
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:49
Xylenes (total)	ND		5.8	0.21	µg/Kg-dry	1	01/24/06 13:49
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:49
Bromoform	ND		2.9	0.07	µg/Kg-dry	1	01/24/06 13:49
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/24/06 13:49
1,1,2,2-Tetrachloroethane	ND		2.9	0.19	µg/Kg-dry	1	01/24/06 13:49
1,3-Dichlorobenzene	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:49
1,4-Dichlorobenzene	ND		2.9	0.15	µg/Kg-dry	1	01/24/06 13:49
1,2-Dichlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:49
1,2-Dibromo-3-chloropropane	ND		5.8	0.46	µg/Kg-dry	1	01/24/06 13:49
1,2,4-Trichlorobenzene	ND		5.8	0.39	µg/Kg-dry	1	01/24/06 13:49
Surr: Dibromofluoromethane	100		40-156	0.21	%REC	1	01/24/06 13:49
Surr: 1,2-Dichloroethane-d4	84.4		71-128	0.15	%REC	1	01/24/06 13:49
Surr: Toluene-d8	95.7		75-125	0.14	%REC	1	01/24/06 13:49
Surr: 4-Bromofluorobenzene	81.5		59-125	0.10	%REC	1	01/24/06 13:49

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 24 Jan 2006 13:49
Data File: C:\HPCHEM\1\DATA\J8316.D
Name: 0601120-003A
Misc: SAMP,8260S_OLM42, 5.01G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8316.D JD07NTCL.M Thu Feb 09 12:55:03 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601120-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-1*
W Order:	0601120	**Collection Date:**	01/19/06 14:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5.02 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 13.8	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8315.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/24/06 13:14
Chloromethane	ND		5.8	0.44	µg/Kg-dry	1	01/24/06 13:14
Vinyl chloride	ND		5.8	0.09	µg/Kg-dry	1	01/24/06 13:14
Bromomethane	ND		5.8	0.35	µg/Kg-dry	1	01/24/06 13:14
Chloroethane	ND		5.8	0.34	µg/Kg-dry	1	01/24/06 13:14
Trichlorofluoromethane	ND		5.8	0.09	µg/Kg-dry	1	01/24/06 13:14
1,1-Dichloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/24/06 13:14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:14
Acetone	2.1	J	12	0.45	µg/Kg-dry	1	01/24/06 13:14
Carbon disulfide	ND		2.9	0.07	µg/Kg-dry	1	01/24/06 13:14
Methyl acetate	ND		2.9	0.42	µg/Kg-dry	1	01/24/06 13:14
Methylene chloride	ND		5.8	0.46	µg/Kg-dry	1	01/24/06 13:14
trans-1,2-Dichloroethene	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:14
Methyl tert-butyl ether	ND		2.9	0.08	µg/Kg-dry	1	01/24/06 13:14
1,1-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:14
cis-1,2-Dichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/24/06 13:14
2-Butanone	ND		12	0.16	µg/Kg-dry	1	01/24/06 13:14
Chloroform	ND		2.9	0.05	µg/Kg-dry	1	01/24/06 13:14
1,1,1-Trichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:14
Cyclohexane	ND		2.9	0.48	µg/Kg-dry	1	01/24/06 13:14
Carbon tetrachloride	ND		2.9	0.13	µg/Kg-dry	1	01/24/06 13:14
Benzene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:14
1,2-Dichloroethane	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:14
Trichloroethene	ND		2.9	0.13	µg/Kg-dry	1	01/24/06 13:14
Methylcyclohexane	ND		2.9	0.15	µg/Kg-dry	1	01/24/06 13:14
1,2-Dichloropropane	ND		2.9	0.09	µg/Kg-dry	1	01/24/06 13:14
Bromodichloromethane	ND		2.9	0.09	µg/Kg-dry	1	01/24/06 13:14
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:14
4-Methyl-2-pentanone	ND		5.8	0.28	µg/Kg-dry	1	01/24/06 13:14
Toluene	ND		2.9	0.14	µg/Kg-dry	1	01/24/06 13:14
trans-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:14
1,1,2-Trichloroethane	ND		2.9	0.13	µg/Kg-dry	1	01/24/06 13:14
Tetrachloroethene	ND		2.9	0.16	µg/Kg-dry	1	01/24/06 13:14
2-Hexanone	ND		5.8	0.26	µg/Kg-dry	1	01/24/06 13:14

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601120-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-1*
W Order:	0601120	**Collection Date:**	01/19/06 14:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5.02 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 13.8	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8315.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.9	0.15	µg/Kg-dry	1	01/24/06 13:14
1,2-Dibromoethane	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:14
Chlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:14
Ethylbenzene	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:14
Xylenes (total)	ND		5.8	0.21	µg/Kg-dry	1	01/24/06 13:14
Styrene	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:14
Bromoform	ND		2.9	0.07	µg/Kg-dry	1	01/24/06 13:14
Isopropylbenzene	ND		2.9	0.09	µg/Kg-dry	1	01/24/06 13:14
1,1,2,2-Tetrachloroethane	ND		2.9	0.19	µg/Kg-dry	1	01/24/06 13:14
1,3-Dichlorobenzene	ND		2.9	0.12	µg/Kg-dry	1	01/24/06 13:14
1,4-Dichlorobenzene	ND		2.9	0.15	µg/Kg-dry	1	01/24/06 13:14
1,2-Dichlorobenzene	ND		2.9	0.10	µg/Kg-dry	1	01/24/06 13:14
1,2-Dibromo-3-chloropropane	ND		5.8	0.46	µg/Kg-dry	1	01/24/06 13:14
1,2,4-Trichlorobenzene	ND		5.8	0.39	µg/Kg-dry	1	01/24/06 13:14
Surr: Dibromofluoromethane	100		40-156	0.21	%REC	1	01/24/06 13:14
Surr: 1,2-Dichloroethane-d4	85.3		71-128	0.15	%REC	1	01/24/06 13:14
Surr: Toluene-d8	95.4		75-125	0.14	%REC	1	01/24/06 13:14
Surr: 4-Bromofluorobenzene	82.6		59-125	0.10	%REC	1	01/24/06 13:14

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 24 Jan 2006 13:14
Data File: C:\HPCHEM\1\DATA\J8315.D
Name: 0601120-002A
Misc: SAMP,8260S_OLM42, 5.02G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8315.D JD07NTCL.M Thu Feb 09 12:55:01 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601120-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***STORAGE BLANK***
W Order:	0601120	**Collection Date:**	01/23/06 0:00
Matrix:	WATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8313.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.0	0.08	µg/Kg	1	01/24/06 12:04
Chloromethane	ND		5.0	0.38	µg/Kg	1	01/24/06 12:04
Vinyl chloride	ND		5.0	0.08	µg/Kg	1	01/24/06 12:04
Bromomethane	ND		5.0	0.30	µg/Kg	1	01/24/06 12:04
Chloroethane	ND		5.0	0.29	µg/Kg	1	01/24/06 12:04
Trichlorofluoromethane	ND		5.0	0.08	µg/Kg	1	01/24/06 12:04
1,1-Dichloroethene	ND		2.5	0.14	µg/Kg	1	01/24/06 12:04
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.5	0.10	µg/Kg	1	01/24/06 12:04
Acetone	2.0	J	10	0.39	µg/Kg	1	01/24/06 12:04
Carbon disulfide	ND		2.5	0.06	µg/Kg	1	01/24/06 12:04
Methyl acetate	ND		2.5	0.36	µg/Kg	1	01/24/06 12:04
Methylene chloride	ND		5.0	0.40	µg/Kg	1	01/24/06 12:04
trans-1,2-Dichloroethene	ND		2.5	0.10	µg/Kg	1	01/24/06 12:04
Methyl tert-butyl ether	ND		2.5	0.07	µg/Kg	1	01/24/06 12:04
1,1-Dichloroethane	ND		2.5	0.10	µg/Kg	1	01/24/06 12:04
cis-1,2-Dichloroethene	ND		2.5	0.11	µg/Kg	1	01/24/06 12:04
2-Butanone	ND		10	0.14	µg/Kg	1	01/24/06 12:04
Chloroform	ND		2.5	0.04	µg/Kg	1	01/24/06 12:04
1,1,1-Trichloroethane	ND		2.5	0.10	µg/Kg	1	01/24/06 12:04
Cyclohexane	ND		2.5	0.41	µg/Kg	1	01/24/06 12:04
Carbon tetrachloride	ND		2.5	0.11	µg/Kg	1	01/24/06 12:04
Benzene	ND		2.5	0.09	µg/Kg	1	01/24/06 12:04
1,2-Dichloroethane	ND		2.5	0.10	µg/Kg	1	01/24/06 12:04
Trichloroethene	ND		2.5	0.11	µg/Kg	1	01/24/06 12:04
Methylcyclohexane	ND		2.5	0.13	µg/Kg	1	01/24/06 12:04
1,2-Dichloropropane	ND		2.5	0.08	µg/Kg	1	01/24/06 12:04
Bromodichloromethane	ND		2.5	0.08	µg/Kg	1	01/24/06 12:04
cis-1,3-Dichloropropene	ND		2.5	0.09	µg/Kg	1	01/24/06 12:04
4-Methyl-2-pentanone	ND		5.0	0.24	µg/Kg	1	01/24/06 12:04
Toluene	ND		2.5	0.12	µg/Kg	1	01/24/06 12:04
trans-1,3-Dichloropropene	ND		2.5	0.09	µg/Kg	1	01/24/06 12:04
1,1,2-Trichloroethane	ND		2.5	0.11	µg/Kg	1	01/24/06 12:04
Tetrachloroethene	ND		2.5	0.14	µg/Kg	1	01/24/06 12:04
2-Hexanone	ND		5.0	0.22	µg/Kg	1	01/24/06 12:04

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601120-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***STORAGE BLANK***
W Order:	0601120	**Collection Date:**	01/23/06 0:00
Matrix:	WATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 5 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8313.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.5	0.13	µg/Kg	1	01/24/06 12:04
1,2-Dibromoethane	ND		2.5	0.09	µg/Kg	1	01/24/06 12:04
Chlorobenzene	ND		2.5	0.09	µg/Kg	1	01/24/06 12:04
Ethylbenzene	ND		2.5	0.10	µg/Kg	1	01/24/06 12:04
Xylenes (total)	ND		5.0	0.18	µg/Kg	1	01/24/06 12:04
Styrene	ND		2.5	0.10	µg/Kg	1	01/24/06 12:04
Bromoform	ND		2.5	0.06	µg/Kg	1	01/24/06 12:04
Isopropylbenzene	ND		2.5	0.08	µg/Kg	1	01/24/06 12:04
1,1,2,2-Tetrachloroethane	ND		2.5	0.16	µg/Kg	1	01/24/06 12:04
1,3-Dichlorobenzene	ND		2.5	0.10	µg/Kg	1	01/24/06 12:04
1,4-Dichlorobenzene	ND		2.5	0.13	µg/Kg	1	01/24/06 12:04
1,2-Dichlorobenzene	ND		2.5	0.09	µg/Kg	1	01/24/06 12:04
1,2-Dibromo-3-chloropropane	ND		5.0	0.40	µg/Kg	1	01/24/06 12:04
1,2,4-Trichlorobenzene	ND		5.0	0.34	µg/Kg	1	01/24/06 12:04
Surr: Dibromofluoromethane	100		40-156	0.18	%REC	1	01/24/06 12:04
Surr: 1,2-Dichloroethane-d4	82.4		71-128	0.13	%REC	1	01/24/06 12:04
Surr: Toluene-d8	95.1		75-125	0.12	%REC	1	01/24/06 12:04
Surr: 4-Bromofluorobenzene	82.6		59-125	0.09	%REC	1	01/24/06 12:04

Qualifiers:

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		

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 24 Jan 2006 12:04
Data File: C:\HPCHEM\1\DATA\J8313.D
Name: 0601120-004A
Misc: SAMP,8260S_OLM42,
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8313.D JD07NTCL.M Thu Feb 09 12:54:56 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

Life Science Laboratories, Inc.

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0602005-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-6 (S-5)***
W Order:	0602005	**Collection Date:**	01/30/06 14:00
Matrix:	SOIL	**Date Received:**	02/01/06 8:55
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 19.5	**BatchNo:** R4470
Revision:	02/09/06 12:32:43 P	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8429.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		6.2	0.10	µg/Kg-dry	1	02/08/06 16:53
Chloromethane	ND		6.2	0.47	µg/Kg-dry	1	02/08/06 16:53
Vinyl chloride	ND		6.2	0.10	µg/Kg-dry	1	02/08/06 16:53
Bromomethane	ND		6.2	0.37	µg/Kg-dry	1	02/08/06 16:53
Chloroethane	ND		6.2	0.36	µg/Kg-dry	1	02/08/06 16:53
Trichlorofluoromethane	ND		6.2	0.10	µg/Kg-dry	1	02/08/06 16:53
1,1-Dichloroethene	ND		3.1	0.17	µg/Kg-dry	1	02/08/06 16:53
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	0.12	µg/Kg-dry	1	02/08/06 16:53
Acetone	1.8	J	12	0.48	µg/Kg-dry	1	02/08/06 16:53
Carbon disulfide	ND		3.1	0.07	µg/Kg-dry	1	02/08/06 16:53
Methyl acetate	ND		3.1	0.45	µg/Kg-dry	1	02/08/06 16:53
Methylene chloride	ND		6.2	0.50	µg/Kg-dry	1	02/08/06 16:53
trans-1,2-Dichloroethene	ND		3.1	0.12	µg/Kg-dry	1	02/08/06 16:53
Methyl tert-butyl ether	ND		3.1	0.09	µg/Kg-dry	1	02/08/06 16:53
1,1-Dichloroethane	ND		3.1	0.12	µg/Kg-dry	1	02/08/06 16:53
cis-1,2-Dichloroethene	ND		3.1	0.14	µg/Kg-dry	1	02/08/06 16:53
2-Butanone	ND		12	0.17	µg/Kg-dry	1	02/08/06 16:53
Chloroform	ND		3.1	0.05	µg/Kg-dry	1	02/08/06 16:53
1,1,1-Trichloroethane	ND		3.1	0.12	µg/Kg-dry	1	02/08/06 16:53
Cyclohexane	ND		3.1	0.51	µg/Kg-dry	1	02/08/06 16:53
Carbon tetrachloride	ND		3.1	0.14	µg/Kg-dry	1	02/08/06 16:53
Benzene	ND		3.1	0.11	µg/Kg-dry	1	02/08/06 16:53
1,2-Dichloroethane	ND		3.1	0.12	µg/Kg-dry	1	02/08/06 16:53
Trichloroethene	ND		3.1	0.14	µg/Kg-dry	1	02/08/06 16:53
Methylcyclohexane	ND		3.1	0.16	µg/Kg-dry	1	02/08/06 16:53
1,2-Dichloropropane	ND		3.1	0.10	µg/Kg-dry	1	02/08/06 16:53
Bromodichloromethane	ND		3.1	0.10	µg/Kg-dry	1	02/08/06 16:53
cis-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	02/08/06 16:53
4-Methyl-2-pentanone	ND		6.2	0.30	µg/Kg-dry	1	02/08/06 16:53
Toluene	ND		3.1	0.15	µg/Kg-dry	1	02/08/06 16:53
trans-1,3-Dichloropropene	ND		3.1	0.11	µg/Kg-dry	1	02/08/06 16:53
1,1,2-Trichloroethane	ND		3.1	0.14	µg/Kg-dry	1	02/08/06 16:53
Tetrachloroethene	0.88	J	3.1	0.17	µg/Kg-dry	1	02/08/06 16:53
2-Hexanone	ND		6.2	0.27	µg/Kg-dry	1	02/08/06 16:53

Qualifiers:

- 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

Print Date: 02/09/06 12:33 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0602005-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-6 (S-5)***
W Order:	0602005	**Collection Date:**	01/30/06 14:00
Matrix:	SOIL	**Date Received:**	02/01/06 8:55
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 19.5	**BatchNo:** R4470
Revision:	02/09/06 12:32:43 P	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8429.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.1	0.16	µg/Kg-dry	1	02/08/06 16:53
1,2-Dibromoethane	ND		3.1	0.11	µg/Kg-dry	1	02/08/06 16:53
Chlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	02/08/06 16:53
Ethylbenzene	ND		3.1	0.12	µg/Kg-dry	1	02/08/06 16:53
Xylenes (total)	ND		6.2	0.22	µg/Kg-dry	1	02/08/06 16:53
Styrene	ND		3.1	0.12	µg/Kg-dry	1	02/08/06 16:53
Bromoform	ND		3.1	0.07	µg/Kg-dry	1	02/08/06 16:53
Isopropylbenzene	ND		3.1	0.10	µg/Kg-dry	1	02/08/06 16:53
1,1,2,2-Tetrachloroethane	ND		3.1	0.20	µg/Kg-dry	1	02/08/06 16:53
1,3-Dichlorobenzene	ND		3.1	0.12	µg/Kg-dry	1	02/08/06 16:53
1,4-Dichlorobenzene	ND		3.1	0.16	µg/Kg-dry	1	02/08/06 16:53
1,2-Dichlorobenzene	ND		3.1	0.11	µg/Kg-dry	1	02/08/06 16:53
1,2-Dibromo-3-chloropropane	ND		6.2	0.50	µg/Kg-dry	1	02/08/06 16:53
1,2,4-Trichlorobenzene	ND		6.2	0.42	µg/Kg-dry	1	02/08/06 16:53
Surr: Dibromofluoromethane	99.7		40-156	0.22	%REC	1	02/08/06 16:53
Surr: 1,2-Dichloroethane-d4	98.6		71-128	0.16	%REC	1	02/08/06 16:53
Surr: Toluene-d8	101		75-125	0.15	%REC	1	02/08/06 16:53
Surr: 4-Bromofluorobenzene	99.1		59-125	0.11	%REC	1	02/08/06 16:53

Qualifiers:

- 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

Print Date: 02/09/06 12:33 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 8 Feb 2006 16:53
Data File: C:\HPCHEM\1\DATA\J8429.D
Name: 0602005-001A
Misc: SAMP,8260S_OLM42, 4.99G
Method: C:\HPCHEM\1\METHODS\J208NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

J8429.D J208NTCL.M Thu Feb 09 12:55:58 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601120-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***DW-1***
W Order:	0601120	**Collection Date:**	01/20/06 10:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.98 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 30.9	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8317.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		7.2	0.12	µg/Kg-dry	1	01/24/06 14:24
Chloromethane	ND		7.2	0.55	µg/Kg-dry	1	01/24/06 14:24
Vinyl chloride	ND		7.2	0.12	µg/Kg-dry	1	01/24/06 14:24
Bromomethane	ND		7.2	0.43	µg/Kg-dry	1	01/24/06 14:24
Chloroethane	ND		7.2	0.42	µg/Kg-dry	1	01/24/06 14:24
Trichlorofluoromethane	ND		7.2	0.12	µg/Kg-dry	1	01/24/06 14:24
1,1-Dichloroethene	ND		3.6	0.20	µg/Kg-dry	1	01/24/06 14:24
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6	0.14	µg/Kg-dry	1	01/24/06 14:24
Acetone	21		14	0.56	µg/Kg-dry	1	01/24/06 14:24
Carbon disulfide	ND		3.6	0.09	µg/Kg-dry	1	01/24/06 14:24
Methyl acetate	ND		3.6	0.52	µg/Kg-dry	1	01/24/06 14:24
Methylene chloride	ND		7.2	0.58	µg/Kg-dry	1	01/24/06 14:24
trans-1,2-Dichloroethene	ND		3.6	0.14	µg/Kg-dry	1	01/24/06 14:24
Methyl tert-butyl ether	ND		3.6	0.10	µg/Kg-dry	1	01/24/06 14:24
1,1-Dichloroethane	ND		3.6	0.14	µg/Kg-dry	1	01/24/06 14:24
cis-1,2-Dichloroethene	ND		3.6	0.16	µg/Kg-dry	1	01/24/06 14:24
2-Butanone	4.1	J	14	0.20	µg/Kg-dry	1	01/24/06 14:24
Chloroform	ND		3.6	0.06	µg/Kg-dry	1	01/24/06 14:24
1,1,1-Trichloroethane	ND		3.6	0.14	µg/Kg-dry	1	01/24/06 14:24
Cyclohexane	ND		3.6	0.59	µg/Kg-dry	1	01/24/06 14:24
Carbon tetrachloride	ND		3.6	0.16	µg/Kg-dry	1	01/24/06 14:24
Benzene	ND		3.6	0.13	µg/Kg-dry	1	01/24/06 14:24
1,2-Dichloroethane	ND		3.6	0.14	µg/Kg-dry	1	01/24/06 14:24
Trichloroethene	ND		3.6	0.16	µg/Kg-dry	1	01/24/06 14:24
Methylcyclohexane	ND		3.6	0.19	µg/Kg-dry	1	01/24/06 14:24
1,2-Dichloropropane	ND		3.6	0.12	µg/Kg-dry	1	01/24/06 14:24
Bromodichloromethane	ND		3.6	0.12	µg/Kg-dry	1	01/24/06 14:24
cis-1,3-Dichloropropene	ND		3.6	0.13	µg/Kg-dry	1	01/24/06 14:24
4-Methyl-2-pentanone	ND		7.2	0.35	µg/Kg-dry	1	01/24/06 14:24
Toluene	1.4	J	3.6	0.17	µg/Kg-dry	1	01/24/06 14:24
trans-1,3-Dichloropropene	ND		3.6	0.13	µg/Kg-dry	1	01/24/06 14:24
1,1,2-Trichloroethane	ND		3.6	0.16	µg/Kg-dry	1	01/24/06 14:24
Tetrachloroethene	1.3	J	3.6	0.20	µg/Kg-dry	1	01/24/06 14:24
2-Hexanone	ND		7.2	0.32	µg/Kg-dry	1	01/24/06 14:24

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601120-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***DW-1***
W Order:	0601120	**Collection Date:**	01/20/06 10:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.98 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 30.9	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8317.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.6	0.19	µg/Kg-dry	1	01/24/06 14:24
1,2-Dibromoethane	ND		3.6	0.13	µg/Kg-dry	1	01/24/06 14:24
Chlorobenzene	ND		3.6	0.13	µg/Kg-dry	1	01/24/06 14:24
Ethylbenzene	ND		3.6	0.14	µg/Kg-dry	1	01/24/06 14:24
Xylenes (total)	ND		7.2	0.26	µg/Kg-dry	1	01/24/06 14:24
Styrene	ND		3.6	0.14	µg/Kg-dry	1	01/24/06 14:24
Bromoform	ND		3.6	0.09	µg/Kg-dry	1	01/24/06 14:24
Isopropylbenzene	ND		3.6	0.12	µg/Kg-dry	1	01/24/06 14:24
1,1,2,2-Tetrachloroethane	ND		3.6	0.23	µg/Kg-dry	1	01/24/06 14:24
1,3-Dichlorobenzene	ND		3.6	0.14	µg/Kg-dry	1	01/24/06 14:24
1,4-Dichlorobenzene	ND		3.6	0.19	µg/Kg-dry	1	01/24/06 14:24
1,2-Dichlorobenzene	ND		3.6	0.13	µg/Kg-dry	1	01/24/06 14:24
1,2-Dibromo-3-chloropropane	ND		7.2	0.58	µg/Kg-dry	1	01/24/06 14:24
1,2,4-Trichlorobenzene	ND		7.2	0.49	µg/Kg-dry	1	01/24/06 14:24
Surr: Dibromofluoromethane	110		40-156	0.26	%REC	1	01/24/06 14:24
Surr: 1,2-Dichloroethane-d4	93.7		71-128	0.19	%REC	1	01/24/06 14:24
Surr: Toluene-d8	77.0		75-125	0.17	%REC	1	01/24/06 14:24
Surr: 4-Bromofluorobenzene	55.9	S	59-125	0.13	%REC	1	01/24/06 14:24

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 24 Jan 2006 14:24
Data File: C:\HPCHEM\1\DATA\J8317.D
Name: 0601120-005A
Misc: SAMP,8260S_OLM42, 4.98G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

ug/kg Dry weight

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~Ethanol~~	6.08	12.9	~~ug/L~~	1236740	ISTD01	11.33	6962670	50.0

J8317.D JD07NTCL.M Thu Feb 09 12:55:06 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.45 for results in ppb.

1	Unk	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601120-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-4*
W Order:	0601120	**Collection Date:**	01/20/06 10:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 25.8	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8318.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		6.7	0.11	µg/Kg-dry	1	01/24/06 14:59
Chloromethane	ND		6.7	0.51	µg/Kg-dry	1	01/24/06 14:59
Vinyl chloride	ND		6.7	0.11	µg/Kg-dry	1	01/24/06 14:59
Bromomethane	ND		6.7	0.40	µg/Kg-dry	1	01/24/06 14:59
Chloroethane	ND		6.7	0.39	µg/Kg-dry	1	01/24/06 14:59
Trichlorofluoromethane	ND		6.7	0.11	µg/Kg-dry	1	01/24/06 14:59
1,1-Dichloroethene	ND		3.4	0.19	µg/Kg-dry	1	01/24/06 14:59
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.4	0.13	µg/Kg-dry	1	01/24/06 14:59
Acetone	34		13	0.53	µg/Kg-dry	1	01/24/06 14:59
Carbon disulfide	ND		3.4	0.08	µg/Kg-dry	1	01/24/06 14:59
Methyl acetate	ND		3.4	0.48	µg/Kg-dry	1	01/24/06 14:59
Methylene chloride	0.73	J	6.7	0.54	µg/Kg-dry	1	01/24/06 14:59
trans-1,2-Dichloroethene	ND		3.4	0.13	µg/Kg-dry	1	01/24/06 14:59
Methyl tert-butyl ether	ND		3.4	0.09	µg/Kg-dry	1	01/24/06 14:59
1,1-Dichloroethane	ND		3.4	0.13	µg/Kg-dry	1	01/24/06 14:59
cis-1,2-Dichloroethene	ND		3.4	0.15	µg/Kg-dry	1	01/24/06 14:59
2-Butanone	7.0	J	13	0.19	µg/Kg-dry	1	01/24/06 14:59
Chloroform	ND		3.4	0.05	µg/Kg-dry	1	01/24/06 14:59
1,1,1-Trichloroethane	ND		3.4	0.13	µg/Kg-dry	1	01/24/06 14:59
Cyclohexane	ND		3.4	0.55	µg/Kg-dry	1	01/24/06 14:59
Carbon tetrachloride	ND		3.4	0.15	µg/Kg-dry	1	01/24/06 14:59
Benzene	ND		3.4	0.12	µg/Kg-dry	1	01/24/06 14:59
1,2-Dichloroethane	ND		3.4	0.13	µg/Kg-dry	1	01/24/06 14:59
Trichloroethene	ND		3.4	0.15	µg/Kg-dry	1	01/24/06 14:59
Methylcyclohexane	ND		3.4	0.18	µg/Kg-dry	1	01/24/06 14:59
1,2-Dichloropropane	ND		3.4	0.11	µg/Kg-dry	1	01/24/06 14:59
Bromodichloromethane	ND		3.4	0.11	µg/Kg-dry	1	01/24/06 14:59
cis-1,3-Dichloropropene	ND		3.4	0.12	µg/Kg-dry	1	01/24/06 14:59
4-Methyl-2-pentanone	ND		6.7	0.32	µg/Kg-dry	1	01/24/06 14:59
Toluene	0.89	J	3.4	0.16	µg/Kg-dry	1	01/24/06 14:59
trans-1,3-Dichloropropene	ND		3.4	0.12	µg/Kg-dry	1	01/24/06 14:59
1,1,2-Trichloroethane	ND		3.4	0.15	µg/Kg-dry	1	01/24/06 14:59
Tetrachloroethene	1.6	J	3.4	0.19	µg/Kg-dry	1	01/24/06 14:59
2-Hexanone	ND		6.7	0.30	µg/Kg-dry	1	01/24/06 14:59

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601120-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-4*
W Order:	0601120	**Collection Date:**	01/20/06 10:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 25.8	**BatchNo:** R4316
Revision:	01/25/06 11:03:50 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-J8318.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.4	0.18	µg/Kg-dry	1	01/24/06 14:59
1,2-Dibromoethane	ND		3.4	0.12	µg/Kg-dry	1	01/24/06 14:59
Chlorobenzene	ND		3.4	0.12	µg/Kg-dry	1	01/24/06 14:59
Ethylbenzene	ND		3.4	0.13	µg/Kg-dry	1	01/24/06 14:59
Xylenes (total)	ND		6.7	0.24	µg/Kg-dry	1	01/24/06 14:59
Styrene	ND		3.4	0.13	µg/Kg-dry	1	01/24/06 14:59
Bromoform	ND		3.4	0.08	µg/Kg-dry	1	01/24/06 14:59
Isopropylbenzene	ND		3.4	0.11	µg/Kg-dry	1	01/24/06 14:59
1,1,2,2-Tetrachloroethane	ND		3.4	0.22	µg/Kg-dry	1	01/24/06 14:59
1,3-Dichlorobenzene	ND		3.4	0.13	µg/Kg-dry	1	01/24/06 14:59
1,4-Dichlorobenzene	ND		3.4	0.18	µg/Kg-dry	1	01/24/06 14:59
1,2-Dichlorobenzene	ND		3.4	0.12	µg/Kg-dry	1	01/24/06 14:59
1,2-Dibromo-3-chloropropane	ND		6.7	0.54	µg/Kg-dry	1	01/24/06 14:59
1,2,4-Trichlorobenzene	ND		6.7	0.46	µg/Kg-dry	1	01/24/06 14:59
Surr: Dibromofluoromethane	109		40-156	0.24	%REC	1	01/24/06 14:59
Surr: 1,2-Dichloroethane-d4	94.3		71-128	0.18	%REC	1	01/24/06 14:59
Surr: Toluene-d8	76.2		75-125	0.16	%REC	1	01/24/06 14:59
Surr: 4-Bromofluorobenzene	55.9	S	59-125	0.12	%REC	1	01/24/06 14:59

Qualifiers:

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		

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 24 Jan 2006 14:59
Data File: C:\HPCHEM\1\DATA\J8318.D
Name: 0601120-006A
Misc: SAMP,8260S_OLM42, 4.99G
Method: C:\HPCHEM\1\METHODS\JD07NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

ug/kg dry weight

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~Ethanol~~	6.07	17.1	~~ug/L~~	1729520	ISTD01	11.33	6729150	50.0

J8318.D JD07NTCL.M Thu Feb 09 12:55:09 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.33 for results in ppb.

1	Unk	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601120-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***DW-1***
W Order:	0601120	**Collection Date:**	01/20/06 10:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 30.9	**BatchNo:** R4356
Revision:	01/30/06 8:27:55 A	**TestCode:** 8260S OLM42	**FileID:** 1-RA-J8392.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		7.2	0.12	µg/Kg-dry	1	01/27/06 15:31
Chloromethane	ND		7.2	0.55	µg/Kg-dry	1	01/27/06 15:31
Vinyl chloride	ND		7.2	0.12	µg/Kg-dry	1	01/27/06 15:31
Bromomethane	ND		7.2	0.43	µg/Kg-dry	1	01/27/06 15:31
Chloroethane	ND		7.2	0.42	µg/Kg-dry	1	01/27/06 15:31
Trichlorofluoromethane	ND		7.2	0.12	µg/Kg-dry	1	01/27/06 15:31
1,1-Dichloroethene	ND		3.6	0.20	µg/Kg-dry	1	01/27/06 15:31
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.6	0.14	µg/Kg-dry	1	01/27/06 15:31
Acetone	10	J	14	0.56	µg/Kg-dry	1	01/27/06 15:31
Carbon disulfide	ND		3.6	0.09	µg/Kg-dry	1	01/27/06 15:31
Methyl acetate	ND		3.6	0.52	µg/Kg-dry	1	01/27/06 15:31
Methylene chloride	0.81	J	7.2	0.58	µg/Kg-dry	1	01/27/06 15:31
trans-1,2-Dichloroethene	ND		3.6	0.14	µg/Kg-dry	1	01/27/06 15:31
Methyl tert-butyl ether	ND		3.6	0.10	µg/Kg-dry	1	01/27/06 15:31
1,1-Dichloroethane	ND		3.6	0.14	µg/Kg-dry	1	01/27/06 15:31
cis-1,2-Dichloroethene	ND		3.6	0.16	µg/Kg-dry	1	01/27/06 15:31
2-Butanone	1.7	J	14	0.20	µg/Kg-dry	1	01/27/06 15:31
Chloroform	ND		3.6	0.06	µg/Kg-dry	1	01/27/06 15:31
1,1,1-Trichloroethane	ND		3.6	0.14	µg/Kg-dry	1	01/27/06 15:31
Cyclohexane	ND		3.6	0.59	µg/Kg-dry	1	01/27/06 15:31
Carbon tetrachloride	ND		3.6	0.16	µg/Kg-dry	1	01/27/06 15:31
Benzene	ND		3.6	0.13	µg/Kg-dry	1	01/27/06 15:31
1,2-Dichloroethane	ND		3.6	0.14	µg/Kg-dry	1	01/27/06 15:31
Trichloroethene	ND		3.6	0.16	µg/Kg-dry	1	01/27/06 15:31
Methylcyclohexane	ND		3.6	0.19	µg/Kg-dry	1	01/27/06 15:31
1,2-Dichloropropane	ND		3.6	0.12	µg/Kg-dry	1	01/27/06 15:31
Bromodichloromethane	ND		3.6	0.12	µg/Kg-dry	1	01/27/06 15:31
cis-1,3-Dichloropropene	ND		3.6	0.13	µg/Kg-dry	1	01/27/06 15:31
4-Methyl-2-pentanone	ND		7.2	0.35	µg/Kg-dry	1	01/27/06 15:31
Toluene	1.1	J	3.6	0.17	µg/Kg-dry	1	01/27/06 15:31
trans-1,3-Dichloropropene	ND		3.6	0.13	µg/Kg-dry	1	01/27/06 15:31
1,1,2-Trichloroethane	ND		3.6	0.16	µg/Kg-dry	1	01/27/06 15:31
Tetrachloroethene	1.7	J	3.6	0.20	µg/Kg-dry	1	01/27/06 15:31
2-Hexanone	ND		7.2	0.32	µg/Kg-dry	1	01/27/06 15:31

Qualifiers:

- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601120-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***DW-1***
W Order:	0601120	**Collection Date:**	01/20/06 10:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:** 4.99 g	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:** 30.9	**BatchNo:** R4356
Revision:	01/30/06 8:27:55 A	**TestCode:** 8260S OLM42	**FileID:** 1-RA-J8392.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.6	0.19	µg/Kg-dry	1	01/27/06 15:31
1,2-Dibromoethane	ND		3.6	0.13	µg/Kg-dry	1	01/27/06 15:31
Chlorobenzene	ND		3.6	0.13	µg/Kg-dry	1	01/27/06 15:31
Ethylbenzene	ND		3.6	0.14	µg/Kg-dry	1	01/27/06 15:31
Xylenes (total)	ND		7.2	0.26	µg/Kg-dry	1	01/27/06 15:31
Styrene	ND		3.6	0.14	µg/Kg-dry	1	01/27/06 15:31
Bromoform	ND		3.6	0.09	µg/Kg-dry	1	01/27/06 15:31
Isopropylbenzene	ND		3.6	0.12	µg/Kg-dry	1	01/27/06 15:31
1,1,2,2-Tetrachloroethane	ND		3.6	0.23	µg/Kg-dry	1	01/27/06 15:31
1,3-Dichlorobenzene	ND		3.6	0.14	µg/Kg-dry	1	01/27/06 15:31
1,4-Dichlorobenzene	ND		3.6	0.19	µg/Kg-dry	1	01/27/06 15:31
1,2-Dichlorobenzene	ND		3.6	0.13	µg/Kg-dry	1	01/27/06 15:31
1,2-Dibromo-3-chloropropane	ND		7.2	0.58	µg/Kg-dry	1	01/27/06 15:31
1,2,4-Trichlorobenzene	ND		7.2	0.49	µg/Kg-dry	1	01/27/06 15:31
Surr: Dibromofluoromethane	112		40-156	0.26	%REC	1	01/27/06 15:31
Surr: 1,2-Dichloroethane-d4	94.9		71-128	0.19	%REC	1	01/27/06 15:31
Surr: Toluene-d8	78.6		75-125	0.17	%REC	1	01/27/06 15:31
Surr: 4-Bromofluorobenzene	57.0	S	59-125	0.13	%REC	1	01/27/06 15:31

Qualifiers:

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		

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601120-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-4*
W Order:	0601120	**Collection Date:**	01/20/06 10:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:**	5 g
ColumnID:	Rtx-VMS	**%Moisture:**	25.8
Revision:	01/30/06 8:27:55 A	**TestCode:**	8260S OLM42
		PrepDate:	
		BatchNo:	R4356
		FileID:	1-RA-J8393.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		6.7	0.11	µg/Kg-dry	1	01/27/06 16:06
Chloromethane	ND		6.7	0.51	µg/Kg-dry	1	01/27/06 16:06
Vinyl chloride	ND		6.7	0.11	µg/Kg-dry	1	01/27/06 16:06
Bromomethane	ND		6.7	0.40	µg/Kg-dry	1	01/27/06 16:06
Chloroethane	ND		6.7	0.39	µg/Kg-dry	1	01/27/06 16:06
Trichlorofluoromethane	ND		6.7	0.11	µg/Kg-dry	1	01/27/06 16:06
1,1-Dichloroethene	ND		3.4	0.19	µg/Kg-dry	1	01/27/06 16:06
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.4	0.13	µg/Kg-dry	1	01/27/06 16:06
Acetone	6.9	J	13	0.53	µg/Kg-dry	1	01/27/06 16:06
Carbon disulfide	ND		3.4	0.08	µg/Kg-dry	1	01/27/06 16:06
Methyl acetate	ND		3.4	0.48	µg/Kg-dry	1	01/27/06 16:06
Methylene chloride	0.81	J	6.7	0.54	µg/Kg-dry	1	01/27/06 16:06
trans-1,2-Dichloroethene	ND		3.4	0.13	µg/Kg-dry	1	01/27/06 16:06
Methyl tert-butyl ether	ND		3.4	0.09	µg/Kg-dry	1	01/27/06 16:06
1,1-Dichloroethane	ND		3.4	0.13	µg/Kg-dry	1	01/27/06 16:06
cis-1,2-Dichloroethene	ND		3.4	0.15	µg/Kg-dry	1	01/27/06 16:06
2-Butanone	ND		13	0.19	µg/Kg-dry	1	01/27/06 16:06
Chloroform	ND		3.4	0.05	µg/Kg-dry	1	01/27/06 16:06
1,1,1-Trichloroethane	ND		3.4	0.13	µg/Kg-dry	1	01/27/06 16:06
Cyclohexane	ND		3.4	0.55	µg/Kg-dry	1	01/27/06 16:06
Carbon tetrachloride	ND		3.4	0.15	µg/Kg-dry	1	01/27/06 16:06
Benzene	ND		3.4	0.12	µg/Kg-dry	1	01/27/06 16:06
1,2-Dichloroethane	ND		3.4	0.13	µg/Kg-dry	1	01/27/06 16:06
Trichloroethene	ND		3.4	0.15	µg/Kg-dry	1	01/27/06 16:06
Methylcyclohexane	ND		3.4	0.18	µg/Kg-dry	1	01/27/06 16:06
1,2-Dichloropropane	ND		3.4	0.11	µg/Kg-dry	1	01/27/06 16:06
Bromodichloromethane	ND		3.4	0.11	µg/Kg-dry	1	01/27/06 16:06
cis-1,3-Dichloropropene	ND		3.4	0.12	µg/Kg-dry	1	01/27/06 16:06
4-Methyl-2-pentanone	ND		6.7	0.32	µg/Kg-dry	1	01/27/06 16:06
Toluene	0.70	J	3.4	0.16	µg/Kg-dry	1	01/27/06 16:06
trans-1,3-Dichloropropene	ND		3.4	0.12	µg/Kg-dry	1	01/27/06 16:06
1,1,2-Trichloroethane	ND		3.4	0.15	µg/Kg-dry	1	01/27/06 16:06
Tetrachloroethene	1.6	J	3.4	0.19	µg/Kg-dry	1	01/27/06 16:06
2-Hexanone	ND		6.7	0.30	µg/Kg-dry	1	01/27/06 16:06

Qualifiers:

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- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601120-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-4*
W Order:	0601120	**Collection Date:**	01/20/06 10:30
Matrix:	SOIL	**Date Received:**	01/21/06 9:00
Inst. ID:	MS03 10	**Sample Size:**	5 g
ColumnID:	Rtx-VMS	**%Moisture:**	25.8
Revision:	01/30/06 8:27:55 A	**TestCode:**	8260S OLM42
PrepDate:			
BatchNo:	R4356		
FileID:	1-RA-J8393.D		

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.4	0.18	µg/Kg-dry	1	01/27/06 16:06
1,2-Dibromoethane	ND		3.4	0.12	µg/Kg-dry	1	01/27/06 16:06
Chlorobenzene	ND		3.4	0.12	µg/Kg-dry	1	01/27/06 16:06
Ethylbenzene	ND		3.4	0.13	µg/Kg-dry	1	01/27/06 16:06
Xylenes (total)	ND		6.7	0.24	µg/Kg-dry	1	01/27/06 16:06
Styrene	ND		3.4	0.13	µg/Kg-dry	1	01/27/06 16:06
Bromoform	ND		3.4	0.08	µg/Kg-dry	1	01/27/06 16:06
Isopropylbenzene	ND		3.4	0.11	µg/Kg-dry	1	01/27/06 16:06
1,1,2,2-Tetrachloroethane	ND		3.4	0.22	µg/Kg-dry	1	01/27/06 16:06
1,3-Dichlorobenzene	ND		3.4	0.13	µg/Kg-dry	1	01/27/06 16:06
1,4-Dichlorobenzene	ND		3.4	0.18	µg/Kg-dry	1	01/27/06 16:06
1,2-Dichlorobenzene	ND		3.4	0.12	µg/Kg-dry	1	01/27/06 16:06
1,2-Dibromo-3-chloropropane	ND		6.7	0.54	µg/Kg-dry	1	01/27/06 16:06
1,2,4-Trichlorobenzene	ND		6.7	0.46	µg/Kg-dry	1	01/27/06 16:06
Surr: Dibromofluoromethane	113		40-156	0.24	%REC	1	01/27/06 16:06
Surr: 1,2-Dichloroethane-d4	96.1		71-128	0.18	%REC	1	01/27/06 16:06
Surr: Toluene-d8	77.7		75-125	0.16	%REC	1	01/27/06 16:06
Surr: 4-Bromofluorobenzene	55.6	S	59-125	0.12	%REC	1	01/27/06 16:06

Qualifiers:

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- 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

Print Date: 01/30/06 10:24 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0603024-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*GEM-SB-7 (S-10)*
W Order:	0603024	**Collection Date:**	03/03/06 8:00
Matrix:	SOIL	**Date Received:**	03/04/06 8:57
Inst. ID:	MS02 12	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:** 13.0	**BatchNo:** R4764
Revision:	03/20/06 10:39:58 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-M8711.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.7	0.09	µg/Kg-dry	1	03/09/06 20:11
Chloromethane	ND		5.7	0.36	µg/Kg-dry	1	03/09/06 20:11
Vinyl chloride	ND		5.7	0.15	µg/Kg-dry	1	03/09/06 20:11
Bromomethane	ND		5.7	0.15	µg/Kg-dry	1	03/09/06 20:11
Chloroethane	ND		5.7	0.29	µg/Kg-dry	1	03/09/06 20:11
Trichlorofluoromethane	ND		5.7	0.09	µg/Kg-dry	1	03/09/06 20:11
1,1-Dichloroethene	ND		2.9	0.17	µg/Kg-dry	1	03/09/06 20:11
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.9	0.13	µg/Kg-dry	1	03/09/06 20:11
Acetone	5.0	J	11	0.34	µg/Kg-dry	1	03/09/06 20:11
Carbon disulfide	ND		2.9	0.09	µg/Kg-dry	1	03/09/06 20:11
Methyl acetate	ND		2.9	0.17	µg/Kg-dry	1	03/09/06 20:11
Methylene chloride	ND		5.7	0.69	µg/Kg-dry	1	03/09/06 20:11
trans-1,2-Dichloroethene	ND		2.9	0.14	µg/Kg-dry	1	03/09/06 20:11
Methyl tert-butyl ether	ND		2.9	0.15	µg/Kg-dry	1	03/09/06 20:11
1,1-Dichloroethane	ND		2.9	0.09	µg/Kg-dry	1	03/09/06 20:11
cis-1,2-Dichloroethene	ND		2.9	0.18	µg/Kg-dry	1	03/09/06 20:11
2-Butanone	ND		11	0.48	µg/Kg-dry	1	03/09/06 20:11
Chloroform	ND		2.9	0.08	µg/Kg-dry	1	03/09/06 20:11
1,1,1-Trichloroethane	ND		2.9	0.16	µg/Kg-dry	1	03/09/06 20:11
Cyclohexane	ND		2.9	0.21	µg/Kg-dry	1	03/09/06 20:11
Carbon tetrachloride	ND		2.9	0.14	µg/Kg-dry	1	03/09/06 20:11
Benzene	ND		2.9	0.06	µg/Kg-dry	1	03/09/06 20:11
1,2-Dichloroethane	ND		2.9	0.13	µg/Kg-dry	1	03/09/06 20:11
Trichloroethene	ND		2.9	0.14	µg/Kg-dry	1	03/09/06 20:11
Methylcyclohexane	ND		2.9	0.21	µg/Kg-dry	1	03/09/06 20:11
1,2-Dichloropropane	ND		2.9	0.25	µg/Kg-dry	1	03/09/06 20:11
Bromodichloromethane	ND		2.9	0.07	µg/Kg-dry	1	03/09/06 20:11
cis-1,3-Dichloropropene	ND		2.9	0.10	µg/Kg-dry	1	03/09/06 20:11
4-Methyl-2-pentanone	ND		5.7	0.37	µg/Kg-dry	1	03/09/06 20:11
Toluene	ND		2.9	0.06	µg/Kg-dry	1	03/09/06 20:11
trans-1,3-Dichloropropene	ND		2.9	0.17	µg/Kg-dry	1	03/09/06 20:11
1,1,2-Trichloroethane	ND		2.9	0.29	µg/Kg-dry	1	03/09/06 20:11
Tetrachloroethene	ND		2.9	0.13	µg/Kg-dry	1	03/09/06 20:11
2-Hexanone	ND		5.7	0.44	µg/Kg-dry	1	03/09/06 20:11

Qualifiers:

- 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

Print Date: 04/04/06 14:25 **Project Supervisor:** Thomas A. Alexander

LSL **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.	**Lab ID:**	**0603024-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*GEM-SB-7 (S-10)*
W Order:	0603024	**Collection Date:**	03/03/06 8:00
Matrix:	SOIL	**Date Received:**	03/04/06 8:57
Inst. ID:	MS02 12	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:** 13.0	**BatchNo:** R4764
Revision:	03/20/06 10:39:58 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-M8711.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.9	0.08	µg/Kg-dry	1	03/09/06 20:11
1,2-Dibromoethane	ND		2.9	0.09	µg/Kg-dry	1	03/09/06 20:11
Chlorobenzene	ND		2.9	0.08	µg/Kg-dry	1	03/09/06 20:11
Ethylbenzene	ND		2.9	0.15	µg/Kg-dry	1	03/09/06 20:11
Xylenes (total)	ND		5.7	0.20	µg/Kg-dry	1	03/09/06 20:11
Styrene	ND		2.9	0.14	µg/Kg-dry	1	03/09/06 20:11
Bromoform	ND		2.9	0.20	µg/Kg-dry	1	03/09/06 20:11
Isopropylbenzene	ND		2.9	0.06	µg/Kg-dry	1	03/09/06 20:11
1,1,2,2-Tetrachloroethane	ND		2.9	0.16	µg/Kg-dry	1	03/09/06 20:11
1,3-Dichlorobenzene	ND		2.9	0.13	µg/Kg-dry	1	03/09/06 20:11
1,4-Dichlorobenzene	ND		2.9	0.07	µg/Kg-dry	1	03/09/06 20:11
1,2-Dichlorobenzene	ND		2.9	0.07	µg/Kg-dry	1	03/09/06 20:11
1,2-Dibromo-3-chloropropane	ND		5.7	0.36	µg/Kg-dry	1	03/09/06 20:11
1,2,4-Trichlorobenzene	ND		5.7	0.38	µg/Kg-dry	1	03/09/06 20:11
Surr: Dibromofluoromethane	109		40-156	0.08	%REC	1	03/09/06 20:11
Surr: 1,2-Dichloroethane-d4	113		71-128	0.08	%REC	1	03/09/06 20:11
Surr: Toluene-d8	104		75-125	0.06	%REC	1	03/09/06 20:11
Surr: 4-Bromofluorobenzene	104		59-125	0.13	%REC	1	03/09/06 20:11

Qualifiers:

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		

Print Date: 04/04/06 14:25 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 9 Mar 2006 20:11
Data File: C:\HPCHEM\1\DATA\M8711.D
Name: 0603024-001A
Misc: SAMP,8260S_OLM42, 4.99G
Method: C:\HPCHEM\1\METHODS\M309NTCL.M (RTE Integrator)
Title: VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

M8711.D M309NTCL.M Thu Mar 16 10:19:14 2006

None

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.	**Lab ID:**	**0603024-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-SB-8 (S-6)***
W Order:	0603024	**Collection Date:**	03/03/06 12:00
Matrix:	SOIL	**Date Received:**	03/04/06 8:57
Inst. ID:	MS02 12	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:** 21.5	**BatchNo:** R4764
Revision:	03/20/06 10:39:58 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-M8710.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		6.4	0.10	µg/Kg-dry	1	03/09/06 19:27
Chloromethane	ND		6.4	0.39	µg/Kg-dry	1	03/09/06 19:27
Vinyl chloride	ND		6.4	0.17	µg/Kg-dry	1	03/09/06 19:27
Bromomethane	ND		6.4	0.17	µg/Kg-dry	1	03/09/06 19:27
Chloroethane	ND		6.4	0.32	µg/Kg-dry	1	03/09/06 19:27
Trichlorofluoromethane	ND		6.4	0.10	µg/Kg-dry	1	03/09/06 19:27
1,1-Dichloroethene	ND		3.2	0.19	µg/Kg-dry	1	03/09/06 19:27
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.2	0.14	µg/Kg-dry	1	03/09/06 19:27
Acetone	ND		13	0.38	µg/Kg-dry	1	03/09/06 19:27
Carbon disulfide	ND		3.2	0.10	µg/Kg-dry	1	03/09/06 19:27
Methyl acetate	ND		3.2	0.19	µg/Kg-dry	1	03/09/06 19:27
Methylene chloride	ND		6.4	0.76	µg/Kg-dry	1	03/09/06 19:27
trans-1,2-Dichloroethene	ND		3.2	0.15	µg/Kg-dry	1	03/09/06 19:27
Methyl tert-butyl ether	ND		3.2	0.17	µg/Kg-dry	1	03/09/06 19:27
1,1-Dichloroethane	ND		3.2	0.10	µg/Kg-dry	1	03/09/06 19:27
cis-1,2-Dichloroethene	ND		3.2	0.20	µg/Kg-dry	1	03/09/06 19:27
2-Butanone	ND		13	0.53	µg/Kg-dry	1	03/09/06 19:27
Chloroform	ND		3.2	0.09	µg/Kg-dry	1	03/09/06 19:27
1,1,1-Trichloroethane	ND		3.2	0.18	µg/Kg-dry	1	03/09/06 19:27
Cyclohexane	ND		3.2	0.23	µg/Kg-dry	1	03/09/06 19:27
Carbon tetrachloride	ND		3.2	0.15	µg/Kg-dry	1	03/09/06 19:27
Benzene	ND		3.2	0.06	µg/Kg-dry	1	03/09/06 19:27
1,2-Dichloroethane	ND		3.2	0.14	µg/Kg-dry	1	03/09/06 19:27
Trichloroethene	ND		3.2	0.15	µg/Kg-dry	1	03/09/06 19:27
Methylcyclohexane	ND		3.2	0.23	µg/Kg-dry	1	03/09/06 19:27
1,2-Dichloropropane	ND		3.2	0.28	µg/Kg-dry	1	03/09/06 19:27
Bromodichloromethane	ND		3.2	0.08	µg/Kg-dry	1	03/09/06 19:27
cis-1,3-Dichloropropene	ND		3.2	0.11	µg/Kg-dry	1	03/09/06 19:27
4-Methyl-2-pentanone	ND		6.4	0.41	µg/Kg-dry	1	03/09/06 19:27
Toluene	ND		3.2	0.06	µg/Kg-dry	1	03/09/06 19:27
trans-1,3-Dichloropropene	ND		3.2	0.19	µg/Kg-dry	1	03/09/06 19:27
1,1,2-Trichloroethane	ND		3.2	0.32	µg/Kg-dry	1	03/09/06 19:27
Tetrachloroethene	ND		3.2	0.14	µg/Kg-dry	1	03/09/06 19:27
2-Hexanone	ND		6.4	0.48	µg/Kg-dry	1	03/09/06 19:27

Qualifiers:

- 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

Print Date: 04/04/06 14:25 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0603024-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*GEM-SB-8 (S-6)*
W Order:	0603024	**Collection Date:**	03/03/06 12:00
Matrix:	SOIL	**Date Received:**	03/04/06 8:57
Inst. ID:	MS02 12	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:** 21.5	**BatchNo:** R4764
Revision:	03/20/06 10:39:58 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-M8710.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		3.2	0.09	µg/Kg-dry	1	03/09/06 19:27
1,2-Dibromoethane	ND		3.2	0.10	µg/Kg-dry	1	03/09/06 19:27
Chlorobenzene	ND		3.2	0.09	µg/Kg-dry	1	03/09/06 19:27
Ethylbenzene	ND		3.2	0.17	µg/Kg-dry	1	03/09/06 19:27
Xylenes (total)	ND		6.4	0.22	µg/Kg-dry	1	03/09/06 19:27
Styrene	ND		3.2	0.15	µg/Kg-dry	1	03/09/06 19:27
Bromoform	ND		3.2	0.22	µg/Kg-dry	1	03/09/06 19:27
Isopropylbenzene	ND		3.2	0.06	µg/Kg-dry	1	03/09/06 19:27
1,1,2,2-Tetrachloroethane	ND		3.2	0.18	µg/Kg-dry	1	03/09/06 19:27
1,3-Dichlorobenzene	ND		3.2	0.14	µg/Kg-dry	1	03/09/06 19:27
1,4-Dichlorobenzene	ND		3.2	0.08	µg/Kg-dry	1	03/09/06 19:27
1,2-Dichlorobenzene	ND		3.2	0.08	µg/Kg-dry	1	03/09/06 19:27
1,2-Dibromo-3-chloropropane	ND		6.4	0.39	µg/Kg-dry	1	03/09/06 19:27
1,2,4-Trichlorobenzene	ND		6.4	0.42	µg/Kg-dry	1	03/09/06 19:27
Surr: Dibromofluoromethane	109		40-156	0.09	%REC	1	03/09/06 19:27
Surr: 1,2-Dichloroethane-d4	109		71-128	0.09	%REC	1	03/09/06 19:27
Surr: Toluene-d8	104		75-125	0.06	%REC	1	03/09/06 19:27
Surr: 4-Bromofluorobenzene	106		59-125	0.14	%REC	1	03/09/06 19:27

Qualifiers:

- 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

Print Date: 04/04/06 14:25 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 9 Mar 2006 19:27
Data File: C:\HPCHEM\1\DATA\M8710.D
Name: 0603024-002A
Misc: SAMP,8260S_OLM42, 4.99G
Method: C:\HPCHEM\1\METHODS\M309NTCL.M (RTE Integrator)
Title: VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

M8710.D M309NTCL.M Thu Mar 16 10:19:11 2006

None

LSL **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.	**Lab ID:**	**0603024-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***STORAGE BLANK***
W Order:	0603024	**Collection Date:**	03/06/06 0:00
Matrix:	WATER	**Date Received:**	03/06/06 0:00
Inst. ID:	MS02 12	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R4764
Revision:	03/20/06 10:39:58 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-M8709.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.0	0.08	µg/Kg	1	03/09/06 18:43
Chloromethane	ND		5.0	0.31	µg/Kg	1	03/09/06 18:43
Vinyl chloride	ND		5.0	0.13	µg/Kg	1	03/09/06 18:43
Bromomethane	ND		5.0	0.13	µg/Kg	1	03/09/06 18:43
Chloroethane	ND		5.0	0.25	µg/Kg	1	03/09/06 18:43
Trichlorofluoromethane	ND		5.0	0.08	µg/Kg	1	03/09/06 18:43
1,1-Dichloroethene	ND		2.5	0.15	µg/Kg	1	03/09/06 18:43
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.5	0.11	µg/Kg	1	03/09/06 18:43
Acetone	ND		10	0.30	µg/Kg	1	03/09/06 18:43
Carbon disulfide	ND		2.5	0.08	µg/Kg	1	03/09/06 18:43
Methyl acetate	ND		2.5	0.15	µg/Kg	1	03/09/06 18:43
Methylene chloride	ND		5.0	0.60	µg/Kg	1	03/09/06 18:43
trans-1,2-Dichloroethene	ND		2.5	0.12	µg/Kg	1	03/09/06 18:43
Methyl tert-butyl ether	ND		2.5	0.13	µg/Kg	1	03/09/06 18:43
1,1-Dichloroethane	ND		2.5	0.08	µg/Kg	1	03/09/06 18:43
cis-1,2-Dichloroethene	ND		2.5	0.16	µg/Kg	1	03/09/06 18:43
2-Butanone	ND		10	0.42	µg/Kg	1	03/09/06 18:43
Chloroform	ND		2.5	0.07	µg/Kg	1	03/09/06 18:43
1,1,1-Trichloroethane	ND		2.5	0.14	µg/Kg	1	03/09/06 18:43
Cyclohexane	ND		2.5	0.18	µg/Kg	1	03/09/06 18:43
Carbon tetrachloride	ND		2.5	0.12	µg/Kg	1	03/09/06 18:43
Benzene	ND		2.5	0.05	µg/Kg	1	03/09/06 18:43
1,2-Dichloroethane	ND		2.5	0.11	µg/Kg	1	03/09/06 18:43
Trichloroethene	ND		2.5	0.12	µg/Kg	1	03/09/06 18:43
Methylcyclohexane	ND		2.5	0.18	µg/Kg	1	03/09/06 18:43
1,2-Dichloropropane	ND		2.5	0.22	µg/Kg	1	03/09/06 18:43
Bromodichloromethane	ND		2.5	0.06	µg/Kg	1	03/09/06 18:43
cis-1,3-Dichloropropene	ND		2.5	0.09	µg/Kg	1	03/09/06 18:43
4-Methyl-2-pentanone	ND		5.0	0.32	µg/Kg	1	03/09/06 18:43
Toluene	ND		2.5	0.05	µg/Kg	1	03/09/06 18:43
trans-1,3-Dichloropropene	ND		2.5	0.15	µg/Kg	1	03/09/06 18:43
1,1,2-Trichloroethane	ND		2.5	0.25	µg/Kg	1	03/09/06 18:43
Tetrachloroethene	ND		2.5	0.11	µg/Kg	1	03/09/06 18:43
2-Hexanone	ND		5.0	0.38	µg/Kg	1	03/09/06 18:43

Qualifiers:

- 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

Print Date: 04/10/06 12:08 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0603024-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***STORAGE BLANK***
W Order:	0603024	**Collection Date:**	03/06/06 0:00
Matrix:	WATER	**Date Received:**	03/06/06 0:00
Inst. ID:	MS02 12	**Sample Size:** NA	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R4764
Revision:	03/20/06 10:39:58 A	**TestCode:** 8260S OLM42	**FileID:** 1-SAMP-M8709.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.5	0.07	µg/Kg	1	03/09/06 18:43
1,2-Dibromoethane	ND		2.5	0.08	µg/Kg	1	03/09/06 18:43
Chlorobenzene	ND		2.5	0.07	µg/Kg	1	03/09/06 18:43
Ethylbenzene	ND		2.5	0.13	µg/Kg	1	03/09/06 18:43
Xylenes (total)	ND		5.0	0.17	µg/Kg	1	03/09/06 18:43
Styrene	ND		2.5	0.12	µg/Kg	1	03/09/06 18:43
Bromoform	ND		2.5	0.17	µg/Kg	1	03/09/06 18:43
Isopropylbenzene	ND		2.5	0.05	µg/Kg	1	03/09/06 18:43
1,1,2,2-Tetrachloroethane	ND		2.5	0.14	µg/Kg	1	03/09/06 18:43
1,3-Dichlorobenzene	ND		2.5	0.11	µg/Kg	1	03/09/06 18:43
1,4-Dichlorobenzene	ND		2.5	0.06	µg/Kg	1	03/09/06 18:43
1,2-Dichlorobenzene	ND		2.5	0.06	µg/Kg	1	03/09/06 18:43
1,2-Dibromo-3-chloropropane	ND		5.0	0.31	µg/Kg	1	03/09/06 18:43
1,2,4-Trichlorobenzene	ND		5.0	0.33	µg/Kg	1	03/09/06 18:43
Surr: Dibromofluoromethane	109		40-156	0.07	%REC	1	03/09/06 18:43
Surr: 1,2-Dichloroethane-d4	108		71-128	0.07	%REC	1	03/09/06 18:43
Surr: Toluene-d8	106		75-125	0.05	%REC	1	03/09/06 18:43
Surr: 4-Bromofluorobenzene	107		59-125	0.11	%REC	1	03/09/06 18:43

Qualifiers:

- 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

Print Date: 04/10/06 12:08 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 9 Mar 2006 18:43
Data File: C:\HPCHEM\1\DATA\M8709.D
Name: 0603024-003A
Misc: SAMP,8260S_OLM42,
Method: C:\HPCHEM\1\METHODS\M309NTCL.M (RTE Integrator)
Title: VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

M8709.D M309NTCL.M Thu Mar 16 10:19:08 2006

None

Life Science Laboratories, Inc.

Date: *06-Feb-06*

CLIENT: O'Brien & Gere Engineers, Inc.
Lab Order: 0601093
Project: GEM CLEANERS-Rockville Center, NY

Sample ID	Lab ID	Date Collect	Units	MOIST
GEM-SB-1 (S-7)	0601093-001	1/17/2006	wt%	21.0

Sample Deivery Group: 0601093

STORAGE BLANK 0601120-004	Reported ug/kg	Lab Qualifier	DV Qualifier	Calculated ppbv	DV	Raw data ug/l	% Moisture	IS %Rec	LCS %Rec	IC	CC 1/24	MS/MSD %Rec	MB 4316
Dibromodifluoromethane	ND												
Chloromethane	ND												
Vinyl Chloride	ND												
Bromomethane	ND												
Chloroethane	ND										32%	178% / ok	
Trichlorofluoromethane	ND												
1,1-Dichloroethene	ND												
1,1,2-Trichloro-1,2,2-trifluoroethane	ND												
Acetone	2.0	J	B			2.0							1.87
Carbon Disulfide	ND												
Methyl Acetate	ND		J									58% / 65%	
Methyene Chloride	ND												1.04
trans-1,2-Dichloroethene	ND		J									ok / 68%	
Methyl tert-butyl Ether	ND		J								33%	57% / 62%	
1,1-Dichloroethane	ND		J									68% / 67%	
cis-1,2-Dichloroethene	ND												
2-Butanone	ND												
Chloroform	ND		J									70% / 69%	
1,1,1-Trichloroethene	ND												
Cyclohexane	ND		J									ok / 66%	
Carbon Tetrachloride	ND												
Benzene	ND												
1,2-Dichloroethane	ND		J									59% / 63%	
Trichloroethene	ND		J									ok / 69%	
Methylcyclohexane	ND												
1,2-Dichloropropane	ND		J									68% / 68%	
Bromodichloromethane	ND												
cis-1,3-Dichloropropene	ND												
4-Methyl-2-penatanone	ND												
Toluene	ND		J									ok / 68%	
trans-1,3-Dichloropropene	ND												
1,1,2-Trichloroethene	ND												
Tetrachloroethene	ND												
2-Hexanone	ND												
Dibromochloromeethane	ND												
1,2-Dibromoethane	ND												
Chlorobenzene	ND												
Ethylbenzene	ND												
Xylenes (total)	ND												

Life Science Laboratories, Inc.

Date: *06-Feb-06*

CLIENT: O'Brien & Gere Engineers, Inc.
Lab Order: 0601101
Project: GEM CLEANERS-Rockville Center, NY

Sample ID	Lab ID	Date Collect	Units	MOIST
GEM-SB-2(S-10)	0601101-001	1/17/2006	wt%	14.4
GEM-SB-3 (S-10)	0601101-002	1/18/2006	wt%	13.2
GEM-SB-3 (S-8)	0601101-003	1/18/2006	wt%	17.2

Life Science Laboratories, Inc.

Date: *06-Feb-06*

CLIENT: O'Brien & Gere Engineers, Inc.
Lab Order: 0602005
Project: GEM CLEANERS-Rockville Center, NY

Sample ID	Lab ID	Date Collect	Units	MOIST
GEM-SB-6 (S-5)	0602005-001	1/30/2006	wt%	19.5

SUMMARY OF THE ANALYTICAL DATA USABILITY
Gem Cleaners – Rockville Center, NY

Water Volatile Organic Analyses
Samples Collected January 17th through 30th, 2006
Samples Received January 18th through February 1st ,2006
Sample Delivery Group: 0601094
Laboratory Reference Numbers:

GEM-GWS-1 (29)	0601094-001
GEM-GWS-1 (29) DL	0601094-001 DL
GEM-GWS-1 (29) MS	0601094-001 MS
GEM-GWS-1 (29) MSD	0601094-001 MSD
TB-1	0601094-002
GEM-GWS-2 (29)	0601100-001
GEM-GWS-3 (29)	0601100-002
GEM-GWS-4(20)	0601100-003
GEM-GWS-4 (34)	0601100-004
GEM-GWS-4 (49)	0601100-005
TB-2	0601100-006
GEM-MW-2	0601121-001
GEM-MW-2 MS	0601121-001 MS
GEM-MW-2 MSD	0601121-001 MSD
GEM-MW-1A	0601121-002
TB-3	0601121-003
GEM-GWS-5 (29)	0601121-004
X-2	0601121-005
GEM-GWS-6 (21)	0601121-006
GEM-GWS-6 (21) DL	0601121-006 DL
GEM-GWS-6 (34)	0601121-007
GEM-GWS-6 (34) DL	0601121-007 DL
GEM-GWS-6 (44)	0601121-008
X-3	0601121-009
WD-1	0602003-001
TB-4	0602003-002

Water samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

* * - Data Completeness
* * - GC/MS Tuning
* * - Holding Times
  - Calibrations
* * - Laboratory Blanks
  - Field Blank
  - Trip Blanks
  - Storage Blank
  - Equipment Blank
* * - System Monitoring Compound Recoveries
* * - Internal Standard Recoveries
* * - Matrix Spike / Matrix Spike Duplicate
* * - Blank Spike
  - Laboratory Control Sample
  - Instrument Detection Limits
* * - Compound Identification
  - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA USABILITY SUMMARY

The laboratory did not use the NYS DEC ASP FORM I for reporting the data.

Non-target spectra were included in the report along with a hand written summary, but the NYS DEC Non-Target FORM I was not included.

The instrument detection limits were analyzed approximately 7 months beyond the 6 month requirement.

Section J of Exhibit B of the NYSDEC ASP protocols states: The Laboratory shall perform and report semiannually verification of instrument detection limits and linear range by methods specified in Exhibit E for each instrument used under this Protocol.

The minor acetone and methylene chloride contamination in the trip blank should be noted.

Several samples were reanalyzed due to high concentrations of tetrachloroethene. The data for this compound should be reported from the diluted analysis.

No other significant problems were found with this sample delivery group, which would affect the usability of the data.

Holding Times

All of the samples of this delivery group met the Region II technical holding time requirements:

Preserved aqueous samples were analyzed within 14 days of collection.

Tunes

**No problems were detected with the tunes associated with the samples of this delivery group.

System Monitoring Compound Recoveries

All system monitoring compound recoveries were within the required quality assurance limits .

Calibrations

No problems were detected with either initial calibration.

The percent difference of bromomethane (31%) was above the 25% quality assurance limit in the 1/23 continuing calibration associated with the analyses of samples 0601094-001, 0601094-001 DL and 0601094-002.

No problems were detected with the 1/24 and 1/25 continuing calibrations.

The percent difference of bromomethane (37%), acetone (55%), and 2-butanone (29%) were above the 25% quality assurance limit in continuing calibrationM8678.D analyzed on 2/3. This continuing calibration was associated with samples TB-4 and WD-1.

The acetone data were flagged with the "J" qualifier since the percent difference was above 50%. Acetone was not detected in either of the samples.

Neither of the other compounds were detected in any of the samples and the data were not qualified since the percent differences were less than 25%.

Matrix Spike / Matrix Spike Duplicate

Two samples were analyzed as matrix spikes and matrix spike duplicates.

Samples GEM-GWS-1 (29) (0601094-001) and GEM-MW-2 (0601121-001) were used as the matrix spike and matrix spike duplicate. All target compounds were included in the spiking solution. All recoveries which could be accurately calculated and RPDs were within the quality control limits.

Blank Spike

All blank spike recoveries were within the quality control limits.

All target compounds were included in the spiking solution.

Laboratory Control Sample

All LCS recoveries and RPDs were within the required quality control limits with the following exceptions:

The recovery of 1,2,4-trichlorobenzene (125%) was just above the 123% quality assurance limit in LCS-4284. 1,2,4-Trichlorobenzene was not detected in any of the samples and the high recovery does not affect the end use of the data.

The recovery of acetone (180%) was above the 163% quality assurance limit and the recovery of 2-butanone (168%) was above the 153% quality assurance limit in LCS-4436.

All of the low concentrations of acetone were reported as ND due to contamination in the trip blanks. The high LCS recovery does not affect the end use of the data.

2-Butanone was not detected in any of the samples and the high recovery does not affect the end use of the data.

Method Blanks

No compounds were detected in any of the method blanks.

Trip Blanks

Acetone (1.53J ug/l) and methylene chloride (0.18J ug/l) were detected in trip blank TB1 (0601094-002).

Acetone (2.76J ug/l) and methylene chloride (0.33J ug/l) were detected in trip blank TB2 (0601100-006).

Acetone (1.36J ug/l) and methylene chloride (0.17J ug/l) were detected in trip blank TB3 (0601121-003).

Methylene chloride was detected in trip blank TB4 (0602003-002)

These compounds were detected in all of the samples at concentrations less than ten times the concentrations in the associated blank. The data for all of the blank contaminants were reported as "ND"

Storage Blank

A storage blank was not analyzed with this sample delivery group.

Equipment Blanks

An equipment blank was not analyzed with this sample delivery group.

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required 50% - 150% quality control limits.

Instrument Detection Limits

The instrument detection limits were analyzed approximately 7 months beyond the 6 month requirement.

Section J of Exhibit B of the NYSDEC ASP protocols states: The Laboratory shall perform and report semiannually verification of instrument detection limits and linear range by methods specified in Exhibit E for each instrument used under this Protocol.

Sample Results

Several samples were reanalyzed due to high concentrations of tetrachloroethene. The data for this compound should be reported from the diluted analysis.

No other problems were found with the reported results of any of the samples of this delivery group.

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601094-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-1 (29)***
W Order:	0601094	**Collection Date:**	01/17/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	01/18/06 16:45
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4284
Revision:	01/24/06 9:45:20 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2057.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/23/06 10:35
Chloromethane	ND		1.00	0.03	µg/L	1	01/23/06 10:35
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/23/06 10:35
Bromomethane	ND		1.00	0.10	µg/L	1	01/23/06 10:35
Chloroethane	ND		1.00	0.08	µg/L	1	01/23/06 10:35
Trichlorofluoromethane	0.14	J	1.00	0.02	µg/L	1	01/23/06 10:35
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/23/06 10:35
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/23/06 10:35
Acetone TB ND	1.96	J Q	10.0	0.23	µg/L	1	01/23/06 10:35
Carbon disulfide	ND		0.50	0.03	µg/L	1	01/23/06 10:35
Methyl acetate	ND		0.50	0.05	µg/L	1	01/23/06 10:35
Methylene chloride	ND		2.00	0.09	µg/L	1	01/23/06 10:35
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/23/06 10:35
Methyl tert-butyl ether	0.22	J	0.50	0.03	µg/L	1	01/23/06 10:35
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/23/06 10:35
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/23/06 10:35
2-Butanone	ND		10.0	0.68	µg/L	1	01/23/06 10:35
Chloroform	0.26	J	0.50	0.02	µg/L	1	01/23/06 10:35
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/23/06 10:35
Cyclohexane	ND		0.50	0.02	µg/L	1	01/23/06 10:35
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/23/06 10:35
Benzene	ND		0.50	0.02	µg/L	1	01/23/06 10:35
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/23/06 10:35
Trichloroethene	0.12	J	0.50	0.03	µg/L	1	01/23/06 10:35
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/23/06 10:35
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/23/06 10:35
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/23/06 10:35
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/23/06 10:35
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/23/06 10:35
Toluene	ND		0.50	0.02	µg/L	1	01/23/06 10:35
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/23/06 10:35
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/23/06 10:35
Tetrachloroethene report from diluted analysis	222	E	0.50	0.05	µg/L	1	01/23/06 10:35
2-Hexanone	ND		5.00	0.36	µg/L	1	01/23/06 10:35

Qualifiers:

- 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

Print Date: 01/24/06 9:45 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601094-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-1 (29)***
W Order:	0601094	**Collection Date:**	01/17/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	01/18/06 16:45
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4284
Revision:	01/24/06 9:45:20 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2057.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/23/06 10:35
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/23/06 10:35
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/23/06 10:35
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/23/06 10:35
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/23/06 10:35
Styrene	ND		0.50	0.02	µg/L	1	01/23/06 10:35
Bromoform	ND		0.50	0.13	µg/L	1	01/23/06 10:35
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/23/06 10:35
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/23/06 10:35
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/23/06 10:35
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/23/06 10:35
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/23/06 10:35
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/23/06 10:35
1,2,4-Trichlorobenzene	0.19	J	1.00	0.13	µg/L	1	01/23/06 10:35
Surr: Dibromofluoromethane	95.5		75-127	0.05	%REC	1	01/23/06 10:35
Surr: 1,2-Dichloroethane-d4	93.7		75-134	0.04	%REC	1	01/23/06 10:35
Surr: Toluene-d8	106		75-125	0.02	%REC	1	01/23/06 10:35
Surr: 4-Bromofluorobenzene	103		75-125	0.07	%REC	1	01/23/06 10:35

Qualifiers:

- 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

Print Date: 01/24/06 9:45 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 23 Jan 2006 10:35
Data File: C:\HPCHEM\1\DATA\T2057.D
Name: 0601094-001A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
T2057.D T116NTCL.M	Fri Feb 10 13:09:50 2006				MS1			

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601094-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-1 (29)***
W Order:	0601094	**Collection Date:**	01/17/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	01/18/06 16:45
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4284
Revision:	01/24/06 9:45:20 A **TestCode:** 8260W OLM42	**FileID:**	1-DL-T2060.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		25.0	0.75	µg/L	25	01/23/06 12:12
Chloromethane	ND		25.0	0.85	µg/L	25	01/23/06 12:12
Vinyl chloride	ND		25.0	0.78	µg/L	25	01/23/06 12:12
Bromomethane	ND		25.0	2.42	µg/L	25	01/23/06 12:12
Chloroethane	ND		25.0	2.08	µg/L	25	01/23/06 12:12
Trichlorofluoromethane	ND		25.0	0.45	µg/L	25	01/23/06 12:12
1,1-Dichloroethene	ND		12.5	0.55	µg/L	25	01/23/06 12:12
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12.5	1.20	µg/L	25	01/23/06 12:12
Acetone	ND		250	5.75	µg/L	25	01/23/06 12:12
Carbon disulfide	ND		12.5	0.80	µg/L	25	01/23/06 12:12
Methyl acetate	ND		12.5	1.35	µg/L	25	01/23/06 12:12
Methylene chloride	ND		50.0	2.22	µg/L	25	01/23/06 12:12
trans-1,2-Dichloroethene	ND		12.5	0.98	µg/L	25	01/23/06 12:12
Methyl tert-butyl ether	ND		12.5	0.80	µg/L	25	01/23/06 12:12
1,1-Dichloroethane	ND		12.5	0.55	µg/L	25	01/23/06 12:12
cis-1,2-Dichloroethene	ND		12.5	0.98	µg/L	25	01/23/06 12:12
2-Butanone	ND		250	17.0	µg/L	25	01/23/06 12:12
Chloroform	ND		12.5	0.58	µg/L	25	01/23/06 12:12
1,1,1-Trichloroethane	ND		12.5	1.02	µg/L	25	01/23/06 12:12
Cyclohexane	ND		12.5	0.62	µg/L	25	01/23/06 12:12
Carbon tetrachloride	ND		12.5	0.82	µg/L	25	01/23/06 12:12
Benzene	ND		12.5	0.42	µg/L	25	01/23/06 12:12
1,2-Dichloroethane	ND		12.5	0.45	µg/L	25	01/23/06 12:12
Trichloroethene	ND		12.5	0.78	µg/L	25	01/23/06 12:12
Methylcyclohexane	ND		12.5	0.72	µg/L	25	01/23/06 12:12
1,2-Dichloropropane	ND		12.5	1.18	µg/L	25	01/23/06 12:12
Bromodichloromethane	ND		12.5	0.58	µg/L	25	01/23/06 12:12
cis-1,3-Dichloropropene	ND		12.5	0.65	µg/L	25	01/23/06 12:12
4-Methyl-2-pentanone	ND		125	30.1	µg/L	25	01/23/06 12:12
Toluene	ND		12.5	0.40	µg/L	25	01/23/06 12:12
trans-1,3-Dichloropropene	ND		12.5	0.78	µg/L	25	01/23/06 12:12
1,1,2-Trichloroethane	ND		12.5	1.08	µg/L	25	01/23/06 12:12
Tetrachloroethene	303		12.5	1.15	µg/L	25	01/23/06 12:12
2-Hexanone	ND		125	8.95	µg/L	25	01/23/06 12:12

report from this analysis

Qualifiers:	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		

Print Date: 01/24/06 9:45 **Project Supervisor:** Thomas A. Alexander

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601094-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-1 (29)***
W Order:	0601094	**Collection Date:**	01/17/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	01/18/06 16:45
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4284
Revision:	01/24/06 9:45:20 A	**TestCode:** 8260W OLM42	**FileID:** 1-DL-T2060.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		12.5	0.42	µg/L	25	01/23/06 12:12
1,2-Dibromoethane	ND		12.5	0.80	µg/L	25	01/23/06 12:12
Chlorobenzene	ND		12.5	0.42	µg/L	25	01/23/06 12:12
Ethylbenzene	ND		12.5	0.62	µg/L	25	01/23/06 12:12
Xylenes (total)	ND		25.0	1.02	µg/L	25	01/23/06 12:12
Styrene	ND		12.5	0.42	µg/L	25	01/23/06 12:12
Bromoform	ND		12.5	3.35	µg/L	25	01/23/06 12:12
Isopropylbenzene	ND		12.5	0.38	µg/L	25	01/23/06 12:12
1,1,2,2-Tetrachloroethane	ND		12.5	1.15	µg/L	25	01/23/06 12:12
1,3-Dichlorobenzene	ND		12.5	0.52	µg/L	25	01/23/06 12:12
1,4-Dichlorobenzene	ND		12.5	0.98	µg/L	25	01/23/06 12:12
1,2-Dichlorobenzene	ND		12.5	1.68	µg/L	25	01/23/06 12:12
1,2-Dibromo-3-chloropropane	ND		25.0	5.52	µg/L	25	01/23/06 12:12
1,2,4-Trichlorobenzene	ND		25.0	3.35	µg/L	25	01/23/06 12:12
Surr: Dibromofluoromethane	98.6		75-127	1.28	%REC	25	01/23/06 12:12
Surr: 1,2-Dichloroethane-d4	99.4		75-134	1.12	%REC	25	01/23/06 12:12
Surr: Toluene-d8	105		75-125	0.62	%REC	25	01/23/06 12:12
Surr: 4-Bromofluorobenzene	103		75-125	1.72	%REC	25	01/23/06 12:12

Qualifiers:

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		

Print Date: 01/24/06 9:45 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601094-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-1***
W Order:	0601094	**Collection Date:**	01/17/06 0:00
Matrix:	WATER	**Date Received:**	01/18/06 16:45
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4284
Revision:	01/24/06 9:45:20 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2061.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/23/06 12:44
Chloromethane	ND		1.00	0.03	µg/L	1	01/23/06 12:44
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/23/06 12:44
Bromomethane	ND		1.00	0.10	µg/L	1	01/23/06 12:44
Chloroethane	ND		1.00	0.08	µg/L	1	01/23/06 12:44
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/23/06 12:44
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/23/06 12:44
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/23/06 12:44
Acetone	1.53	J	10.0	0.23	µg/L	1	01/23/06 12:44
Carbon disulfide	ND		0.50	0.03	µg/L	1	01/23/06 12:44
Methyl acetate	ND		0.50	0.05	µg/L	1	01/23/06 12:44
Methylene chloride	0.18	J	2.00	0.09	µg/L	1	01/23/06 12:44
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/23/06 12:44
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/23/06 12:44
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/23/06 12:44
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/23/06 12:44
2-Butanone	ND		10.0	0.68	µg/L	1	01/23/06 12:44
Chloroform	ND		0.50	0.02	µg/L	1	01/23/06 12:44
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/23/06 12:44
Cyclohexane	ND		0.50	0.02	µg/L	1	01/23/06 12:44
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/23/06 12:44
Benzene	ND		0.50	0.02	µg/L	1	01/23/06 12:44
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/23/06 12:44
Trichloroethene	ND		0.50	0.03	µg/L	1	01/23/06 12:44
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/23/06 12:44
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/23/06 12:44
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/23/06 12:44
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/23/06 12:44
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/23/06 12:44
Toluene	ND		0.50	0.02	µg/L	1	01/23/06 12:44
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/23/06 12:44
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/23/06 12:44
Tetrachloroethene	ND		0.50	0.05	µg/L	1	01/23/06 12:44
2-Hexanone	ND		5.00	0.36	µg/L	1	01/23/06 12:44

Qualifiers:

- 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

Print Date: 01/24/06 9:45 **Project Supervisor:** Thomas A. Alexander

Life Science Laboratories, Inc.
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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601094-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-1***
W Order:	0601094	**Collection Date:**	01/17/06 0:00
Matrix:	WATER	**Date Received:**	01/18/06 16:45
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4284
Revision:	01/24/06 9:45:20 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2061.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/23/06 12:44
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/23/06 12:44
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/23/06 12:44
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/23/06 12:44
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/23/06 12:44
Styrene	ND		0.50	0.02	µg/L	1	01/23/06 12:44
Bromoform	ND		0.50	0.13	µg/L	1	01/23/06 12:44
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/23/06 12:44
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/23/06 12:44
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/23/06 12:44
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/23/06 12:44
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/23/06 12:44
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/23/06 12:44
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/23/06 12:44
Surr: Dibromofluoromethane	97.0		75-127	0.05	%REC	1	01/23/06 12:44
Surr: 1,2-Dichloroethane-d4	100		75-134	0.04	%REC	1	01/23/06 12:44
Surr: Toluene-d8	105		75-125	0.02	%REC	1	01/23/06 12:44
Surr: 4-Bromofluorobenzene	103		75-125	0.07	%REC	1	01/23/06 12:44

Qualifiers:

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		

Print Date: 01/24/06 9:45 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 23 Jan 2006 12:44
Data File: C:\HPCHEM\1\DATA\T2061.D
Name: 0601094-002A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

T2061.D T116NTCL.M Fri Feb 10 12:37:59 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601100-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-2 (29)***
W Order:	0601100	**Collection Date:**	01/18/06 8:00
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2108.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/24/06 20:21
Chloromethane	ND		1.00	0.03	µg/L	1	01/24/06 20:21
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/24/06 20:21
Bromomethane	ND		1.00	0.10	µg/L	1	01/24/06 20:21
Chloroethane	ND		1.00	0.08	µg/L	1	01/24/06 20:21
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/24/06 20:21
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/24/06 20:21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/24/06 20:21
Acetone T. 8.	~~3.63~~ ND	J	10.0	0.23	µg/L	1	01/24/06 20:21
Carbon disulfide	0.38	J	0.50	0.03	µg/L	1	01/24/06 20:21
Methyl acetate	ND		0.50	0.05	µg/L	1	01/24/06 20:21
Methylene chloride	ND		2.00	0.09	µg/L	1	01/24/06 20:21
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 20:21
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/24/06 20:21
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 20:21
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 20:21
2-Butanone	1.05	J	10.0	0.68	µg/L	1	01/24/06 20:21
Chloroform	ND		0.50	0.02	µg/L	1	01/24/06 20:21
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 20:21
Cyclohexane	ND		0.50	0.02	µg/L	1	01/24/06 20:21
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/24/06 20:21
Benzene	0.11	J	0.50	0.02	µg/L	1	01/24/06 20:21
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 20:21
Trichloroethene	ND		0.50	0.03	µg/L	1	01/24/06 20:21
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/24/06 20:21
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/24/06 20:21
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/24/06 20:21
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 20:21
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/24/06 20:21
Toluene	0.40	J	0.50	0.02	µg/L	1	01/24/06 20:21
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 20:21
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 20:21
Tetrachloroethene	ND		0.50	0.05	µg/L	1	01/24/06 20:21
2-Hexanone	ND		5.00	0.36	µg/L	1	01/24/06 20:21

Qualifiers:

- 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

Print Date: 01/25/06 9:05 **Project Supervisor:** Thomas A. Alexander

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-2 (29)***
W Order:	0601100	**Collection Date:**	01/18/06 8:00
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2108.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/24/06 20:21
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/24/06 20:21
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 20:21
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 20:21
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/24/06 20:21
Styrene	ND		0.50	0.02	µg/L	1	01/24/06 20:21
Bromoform	ND		0.50	0.13	µg/L	1	01/24/06 20:21
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 20:21
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/24/06 20:21
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 20:21
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/24/06 20:21
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/24/06 20:21
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/24/06 20:21
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/24/06 20:21
Surr: Dibromofluoromethane	99.4		75-127	0.05	%REC	1	01/24/06 20:21
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	01/24/06 20:21
Surr: Toluene-d8	105		75-125	0.02	%REC	1	01/24/06 20:21
Surr: 4-Bromofluorobenzene	99.7		75-125	0.07	%REC	1	01/24/06 20:21

Qualifiers:

- 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

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 24 Jan 2006 20:21
Data File: C:\HPCHEM\1\DATA\T2108.D
Name: 0601100-001A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

	TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~1~~	~~1-Butene~~	3.50	8.8	ug/L	2342050	ISTD01	9.97	2657600	10.0
2	Butane, 2-methyl-	4.30	1.3	ug/L	337223	ISTD01	9.97	2657600	10.0
~~3~~	~~1-Pentene~~	4.64	1.9	ug/L	509232	ISTD01	9.97	2657600	10.0
4	Pentane	4.67	1.3	ug/L	332461	ISTD01	9.97	2657600	10.0

T2108.D T116NTCL.M Fri Feb 10 12:38:05 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	unk C_4H_8	11		21	
2	✓	12		22	
3	unk C_5H_{10}	13		23	
4	✓	14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-3 (29)***
W Order:	0601100	**Collection Date:**	01/18/06 12:30
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2109.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/24/06 20:53
Chloromethane	ND		1.00	0.03	µg/L	1	01/24/06 20:53
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/24/06 20:53
Bromomethane	ND		1.00	0.10	µg/L	1	01/24/06 20:53
Chloroethane	ND		1.00	0.08	µg/L	1	01/24/06 20:53
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/24/06 20:53
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/24/06 20:53
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/24/06 20:53
Acetone TS	ND 2.76	J	10.0	0.23	µg/L	1	01/24/06 20:53
Carbon disulfide	0.33	J	0.50	0.03	µg/L	1	01/24/06 20:53
Methyl acetate	ND		0.50	0.05	µg/L	1	01/24/06 20:53
Methylene chloride	ND		2.00	0.09	µg/L	1	01/24/06 20:53
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 20:53
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/24/06 20:53
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 20:53
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 20:53
2-Butanone	1.04	J	10.0	0.68	µg/L	1	01/24/06 20:53
Chloroform	ND		0.50	0.02	µg/L	1	01/24/06 20:53
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 20:53
Cyclohexane	ND		0.50	0.02	µg/L	1	01/24/06 20:53
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/24/06 20:53
Benzene	0.14	J	0.50	0.02	µg/L	1	01/24/06 20:53
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 20:53
Trichloroethene	ND		0.50	0.03	µg/L	1	01/24/06 20:53
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/24/06 20:53
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/24/06 20:53
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/24/06 20:53
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 20:53
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/24/06 20:53
Toluene	0.61		0.50	0.02	µg/L	1	01/24/06 20:53
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 20:53
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 20:53
Tetrachloroethene	0.36	J	0.50	0.05	µg/L	1	01/24/06 20:53
2-Hexanone	ND		5.00	0.36	µg/L	1	01/24/06 20:53

Qualifiers:

- 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 Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-3 (29)***
W Order:	0601100	**Collection Date:**	01/18/06 12:30
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2109.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/24/06 20:53
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/24/06 20:53
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 20:53
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 20:53
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/24/06 20:53
Styrene	ND		0.50	0.02	µg/L	1	01/24/06 20:53
Bromoform	ND		0.50	0.13	µg/L	1	01/24/06 20:53
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 20:53
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/24/06 20:53
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 20:53
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/24/06 20:53
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/24/06 20:53
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/24/06 20:53
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/24/06 20:53
Surr: Dibromofluoromethane	98.6		75-127	0.05	%REC	1	01/24/06 20:53
Surr: 1,2-Dichloroethane-d4	99.2		75-134	0.04	%REC	1	01/24/06 20:53
Surr: Toluene-d8	106		75-125	0.02	%REC	1	01/24/06 20:53
Surr: 4-Bromofluorobenzene	100		75-125	0.07	%REC	1	01/24/06 20:53

Qualifiers:

- 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

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 24 Jan 2006 20:53
Data File: C:\HPCHEM\1\DATA\T2109.D
Name: 0601100-002A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name		RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
✓Isobutane	1	3.28	1.3	ug/L	390752	ISTD01	9.97	2915200	10.0
~~1-Butene~~	2	3.50	13.6	ug/L	3955070	ISTD01	9.97	2915200	10.0
✓Butane, 2-methyl-	3	4.30	1.9	ug/L	550739	ISTD01	9.97	2915200	10.0
~~1-Pentene~~	4	4.65	2.8	ug/L	817553	ISTD01	9.97	2915200	10.0
✓Pentane	5	4.68	1.9	ug/L	555928	ISTD01	9.97	2915200	10.0

T2109.D T116NTCL.M Fri Feb 10 12:38:09 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	✓	11		21	
2	unk C_4H_8	12		22	
3	✓	13		23	
4	unk C_5H_{10}	14		24	
5	✓	15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-4 (20)***
W Order:	0601100	**Collection Date:**	01/18/06 13:30
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2110.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/24/06 21:25
Chloromethane	ND		1.00	0.03	µg/L	1	01/24/06 21:25
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/24/06 21:25
Bromomethane	ND		1.00	0.10	µg/L	1	01/24/06 21:25
Chloroethane	ND		1.00	0.08	µg/L	1	01/24/06 21:25
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/24/06 21:25
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/24/06 21:25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/24/06 21:25
Acetone TB	ND 3.24	J	10.0	0.23	µg/L	1	01/24/06 21:25
Carbon disulfide	0.65		0.50	0.03	µg/L	1	01/24/06 21:25
Methyl acetate	ND		0.50	0.05	µg/L	1	01/24/06 21:25
Methylene chloride	ND		2.00	0.09	µg/L	1	01/24/06 21:25
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 21:25
Methyl tert-butyl ether	0.38	J	0.50	0.03	µg/L	1	01/24/06 21:25
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 21:25
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 21:25
2-Butanone	ND		10.0	0.68	µg/L	1	01/24/06 21:25
Chloroform	ND		0.50	0.02	µg/L	1	01/24/06 21:25
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 21:25
Cyclohexane	ND		0.50	0.02	µg/L	1	01/24/06 21:25
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/24/06 21:25
Benzene	0.13	J	0.50	0.02	µg/L	1	01/24/06 21:25
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 21:25
Trichloroethene	ND		0.50	0.03	µg/L	1	01/24/06 21:25
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/24/06 21:25
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/24/06 21:25
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/24/06 21:25
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 21:25
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/24/06 21:25
Toluene	0.77		0.50	0.02	µg/L	1	01/24/06 21:25
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 21:25
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 21:25
Tetrachloroethene	20.2		0.50	0.05	µg/L	1	01/24/06 21:25
2-Hexanone	ND		5.00	0.36	µg/L	1	01/24/06 21:25

Qualifiers:

- 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

Print Date: 01/25/06 9:05 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601100-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-4 (20)***
W Order:	0601100	**Collection Date:**	01/18/06 13:30
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2110.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/24/06 21:25
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/24/06 21:25
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 21:25
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 21:25
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/24/06 21:25
Styrene	ND		0.50	0.02	µg/L	1	01/24/06 21:25
Bromoform	ND		0.50	0.13	µg/L	1	01/24/06 21:25
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 21:25
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/24/06 21:25
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 21:25
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/24/06 21:25
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/24/06 21:25
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/24/06 21:25
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/24/06 21:25
Surr: Dibromofluoromethane	101		75-127	0.05	%REC	1	01/24/06 21:25
Surr: 1,2-Dichloroethane-d4	106		75-134	0.04	%REC	1	01/24/06 21:25
Surr: Toluene-d8	104		75-125	0.02	%REC	1	01/24/06 21:25
Surr: 4-Bromofluorobenzene	100		75-125	0.07	%REC	1	01/24/06 21:25

Qualifiers:

- 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

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 24 Jan 2006 21:25
Data File: C:\HPCHEM\1\DATA\T2110.D
Name: 0601100-003A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

	TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
1	~~1-Butene~~	3.50	9.8	ug/L	2467510	ISTD01	9.98	2508810	10.0
2	~~1-Butene~~	3.79	1.1	ug/L	274431	ISTD01	9.98	2508810	10.0
3	Butane, 2-methyl-	4.31	1.1	ug/L	277905	ISTD01	9.98	2508810	10.0
4	~~1-Pentene~~	4.64	2.0	ug/L	514217	ISTD01	9.98	2508810	10.0
5	Pentane	4.68	1.4	ug/L	355238	ISTD01	9.98	2508810	10.0

T2110.D T116NTCL.M Fri Feb 10 12:38:14 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	unk C_4H_8	11		21	
2	unk C_4H_8	12		22	
3	✓	13		23	
4	unk C_5H_{10}	14		24	
5	✓	15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-4 (34)***
W Order:	0601100	**Collection Date:**	01/18/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2111.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/24/06 21:57
Chloromethane	ND		1.00	0.03	µg/L	1	01/24/06 21:57
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/24/06 21:57
Bromomethane	ND		1.00	0.10	µg/L	1	01/24/06 21:57
Chloroethane	ND		1.00	0.08	µg/L	1	01/24/06 21:57
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/24/06 21:57
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/24/06 21:57
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/24/06 21:57
Acetone T,B	ND 2.56	J	10.0	0.23	µg/L	1	01/24/06 21:57
Carbon disulfide	0.19	J	0.50	0.03	µg/L	1	01/24/06 21:57
Methyl acetate	ND		0.50	0.05	µg/L	1	01/24/06 21:57
Methylene chloride	ND		2.00	0.09	µg/L	1	01/24/06 21:57
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 21:57
Methyl tert-butyl ether	1.21		0.50	0.03	µg/L	1	01/24/06 21:57
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 21:57
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 21:57
2-Butanone	ND		10.0	0.68	µg/L	1	01/24/06 21:57
Chloroform	ND		0.50	0.02	µg/L	1	01/24/06 21:57
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 21:57
Cyclohexane	ND		0.50	0.02	µg/L	1	01/24/06 21:57
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/24/06 21:57
Benzene	ND		0.50	0.02	µg/L	1	01/24/06 21:57
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 21:57
Trichloroethene	ND		0.50	0.03	µg/L	1	01/24/06 21:57
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/24/06 21:57
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/24/06 21:57
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/24/06 21:57
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 21:57
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/24/06 21:57
Toluene	0.40	J	0.50	0.02	µg/L	1	01/24/06 21:57
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 21:57
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 21:57
Tetrachloroethene	12.4		0.50	0.05	µg/L	1	01/24/06 21:57
2-Hexanone	ND		5.00	0.36	µg/L	1	01/24/06 21:57

Qualifiers:

- 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

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-4 (34)***
W Order:	0601100	**Collection Date:**	01/18/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2111.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/24/06 21:57
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/24/06 21:57
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 21:57
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 21:57
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/24/06 21:57
Styrene	ND		0.50	0.02	µg/L	1	01/24/06 21:57
Bromoform	ND		0.50	0.13	µg/L	1	01/24/06 21:57
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 21:57
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/24/06 21:57
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 21:57
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/24/06 21:57
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/24/06 21:57
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/24/06 21:57
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/24/06 21:57
Surr: Dibromofluoromethane	98.1		75-127	0.05	%REC	1	01/24/06 21:57
Surr: 1,2-Dichloroethane-d4	102		75-134	0.04	%REC	1	01/24/06 21:57
Surr: Toluene-d8	104		75-125	0.02	%REC	1	01/24/06 21:57
Surr: 4-Bromofluorobenzene	99.5		75-125	0.07	%REC	1	01/24/06 21:57

Qualifiers:

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		

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 24 Jan 2006 21:57
Data File: C:\HPCHEM\1\DATA\T2111.D
Name: 0601100-004A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~1-Butene~~	3.49	2.9	ug/L	684899	ISTD01	9.97	2392920	10.0

T2111.D T116NTCL.M Fri Feb 10 12:38:17 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	Unk C_4H_8	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

Life Science Laboratories, Inc.
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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-4 (49)***
W Order:	0601100	**Collection Date:**	01/18/06 15:10
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2112.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/24/06 22:30
Chloromethane	ND		1.00	0.03	µg/L	1	01/24/06 22:30
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/24/06 22:30
Bromomethane	ND		1.00	0.10	µg/L	1	01/24/06 22:30
Chloroethane	ND		1.00	0.08	µg/L	1	01/24/06 22:30
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/24/06 22:30
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/24/06 22:30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/24/06 22:30
Acetone T8	ND		6.88 J	10.0	0.23 µg/L	1	01/24/06 22:30
Carbon disulfide	0.85		0.50	0.03	µg/L	1	01/24/06 22:30
Methyl acetate	ND		0.50	0.05	µg/L	1	01/24/06 22:30
Methylene chloride	ND		2.00	0.09	µg/L	1	01/24/06 22:30
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 22:30
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/24/06 22:30
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 22:30
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 22:30
2-Butanone	2.37	J	10.0	0.68	µg/L	1	01/24/06 22:30
Chloroform	ND		0.50	0.02	µg/L	1	01/24/06 22:30
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 22:30
Cyclohexane	ND		0.50	0.02	µg/L	1	01/24/06 22:30
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/24/06 22:30
Benzene	0.32	J	0.50	0.02	µg/L	1	01/24/06 22:30
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 22:30
Trichloroethene	ND		0.50	0.03	µg/L	1	01/24/06 22:30
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/24/06 22:30
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/24/06 22:30
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/24/06 22:30
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 22:30
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/24/06 22:30
Toluene	0.63		0.50	0.02	µg/L	1	01/24/06 22:30
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 22:30
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 22:30
Tetrachloroethene	0.91		0.50	0.05	µg/L	1	01/24/06 22:30
2-Hexanone	ND		5.00	0.36	µg/L	1	01/24/06 22:30

Qualifiers:

- 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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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-4 (49)***
W Order:	0601100	**Collection Date:**	01/18/06 15:10
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2112.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/24/06 22:30
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/24/06 22:30
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 22:30
Ethylbenzene	0.14	J	0.50	0.02	µg/L	1	01/24/06 22:30
Xylenes (total)	0.14	J	1.00	0.04	µg/L	1	01/24/06 22:30
Styrene	ND		0.50	0.02	µg/L	1	01/24/06 22:30
Bromoform	ND		0.50	0.13	µg/L	1	01/24/06 22:30
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 22:30
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/24/06 22:30
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 22:30
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/24/06 22:30
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/24/06 22:30
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/24/06 22:30
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/24/06 22:30
Surr: Dibromofluoromethane	98.5		75-127	0.05	%REC	1	01/24/06 22:30
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	01/24/06 22:30
Surr: Toluene-d8	105		75-125	0.02	%REC	1	01/24/06 22:30
Surr: 4-Bromofluorobenzene	101		75-125	0.07	%REC	1	01/24/06 22:30

Qualifiers:

- 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

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 24 Jan 2006 22:30
Data File: C:\HPCHEM\1\DATA\T2112.D
Name: 0601100-005A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name		RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~1-Propene, 2-methyl-~~	1	3.50	27.7	ug/L	8922890	ISTD01	9.98	3220980	10.0
~~1-Butene~~	2	3.63	2.4	ug/L	757989	ISTD01	9.98	3220980	10.0
~~1-Butene~~	3	3.79	4.7	ug/L	1501210	ISTD01	9.98	3220980	10.0
✓ Butane, 2-methyl-	4	4.30	2.2	ug/L	717700	ISTD01	9.98	3220980	10.0
~~1-Pentene~~	5	4.64	6.1	ug/L	1978390	ISTD01	9.98	3220980	10.0
~~Propanal, 2-methyl-~~	6	4.68	3.3	ug/L	1072730	ISTD01	9.98	3220980	10.0
~~1-Butene, 2-methyl-~~	7	4.78	3.2	ug/L	1037110	ISTD01	9.98	3220980	10.0
~~2-Pentene, (Z)-~~	8	5.11	3.0	ug/L	979273	ISTD01	9.98	3220980	10.0
~~Cyclopropane, 1-ethy~~	9	6.02	2.1	ug/L	688001	ISTD01	9.98	3220980	10.0
~~1-Pentene, 2-methyl-~~	10	6.79	4.7	ug/L	1516130	ISTD01	9.98	3220980	10.0

T2112.D T116NTCL.M Fri Feb 10 12:38:23 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	Unk C_4H_8	11		21	
2	↓	12		22	
3	↓	13		23	
4	✓	14		24	
5	Unk C_5H_{10}	15		25	
6	Unk	16		26	
7	Unk C_5H_{10}	17		27	
8	↓	18		28	
9	Unk	19		29	
10	Unk C_6H_{12}	20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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

Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-2***
W Order:	0601100	**Collection Date:**	01/18/06 0:00
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2113.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/24/06 23:02
Chloromethane	ND		1.00	0.03	µg/L	1	01/24/06 23:02
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/24/06 23:02
Bromomethane	ND		1.00	0.10	µg/L	1	01/24/06 23:02
Chloroethane	ND		1.00	0.08	µg/L	1	01/24/06 23:02
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/24/06 23:02
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/24/06 23:02
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/24/06 23:02
Acetone	1.16	J	10.0	0.23	µg/L	1	01/24/06 23:02
Carbon disulfide	ND		0.50	0.03	µg/L	1	01/24/06 23:02
Methyl acetate	ND		0.50	0.05	µg/L	1	01/24/06 23:02
Methylene chloride	0.18	J	2.00	0.09	µg/L	1	01/24/06 23:02
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 23:02
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/24/06 23:02
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 23:02
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 23:02
2-Butanone	ND		10.0	0.68	µg/L	1	01/24/06 23:02
Chloroform	ND		0.50	0.02	µg/L	1	01/24/06 23:02
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 23:02
Cyclohexane	ND		0.50	0.02	µg/L	1	01/24/06 23:02
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/24/06 23:02
Benzene	ND		0.50	0.02	µg/L	1	01/24/06 23:02
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 23:02
Trichloroethene	ND		0.50	0.03	µg/L	1	01/24/06 23:02
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/24/06 23:02
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/24/06 23:02
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/24/06 23:02
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 23:02
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/24/06 23:02
Toluene	ND		0.50	0.02	µg/L	1	01/24/06 23:02
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 23:02
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 23:02
Tetrachloroethene	ND		0.50	0.05	µg/L	1	01/24/06 23:02
2-Hexanone	ND		5.00	0.36	µg/L	1	01/24/06 23:02

Qualifiers:

- 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

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601100-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-2***
W Order:	0601100	**Collection Date:**	01/18/06 0:00
Matrix:	GROUNDWATER	**Date Received:**	01/19/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 8:59:21 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2113.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/24/06 23:02
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/24/06 23:02
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 23:02
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 23:02
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/24/06 23:02
Styrene	ND		0.50	0.02	µg/L	1	01/24/06 23:02
Bromoform	ND		0.50	0.13	µg/L	1	01/24/06 23:02
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 23:02
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/24/06 23:02
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 23:02
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/24/06 23:02
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/24/06 23:02
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/24/06 23:02
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/24/06 23:02
Surr: Dibromofluoromethane	98.2		75-127	0.05	%REC	1	01/24/06 23:02
Surr: 1,2-Dichloroethane-d4	100		75-134	0.04	%REC	1	01/24/06 23:02
Surr: Toluene-d8	104		75-125	0.02	%REC	1	01/24/06 23:02
Surr: 4-Bromofluorobenzene	100		75-125	0.07	%REC	1	01/24/06 23:02

Qualifiers:

- 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

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 24 Jan 2006 23:02
Data File: C:\HPCHEM\1\DATA\T2113.D
Name: 0601100-006A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
T2113.D T116NTCL.M Fri Feb 10 12:38:25 2006 MS1								

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601121-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-MW-2***
W Order:	0601121	**Collection Date:**	01/19/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2127.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/25/06 10:28
Chloromethane	ND		1.00	0.03	µg/L	1	01/25/06 10:28
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/25/06 10:28
Bromomethane	ND		1.00	0.10	µg/L	1	01/25/06 10:28
Chloroethane	ND		1.00	0.08	µg/L	1	01/25/06 10:28
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/25/06 10:28
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/25/06 10:28
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/25/06 10:28
Acetone	ND		10.0	0.23	µg/L	1	01/25/06 10:28
Carbon disulfide	ND		0.50	0.03	µg/L	1	01/25/06 10:28
Methyl acetate	ND		0.50	0.05	µg/L	1	01/25/06 10:28
Methylene chloride	ND		2.00	0.09	µg/L	1	01/25/06 10:28
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 10:28
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/25/06 10:28
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 10:28
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 10:28
2-Butanone	ND		10.0	0.68	µg/L	1	01/25/06 10:28
Chloroform	ND		0.50	0.02	µg/L	1	01/25/06 10:28
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 10:28
Cyclohexane	ND		0.50	0.02	µg/L	1	01/25/06 10:28
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/25/06 10:28
Benzene	ND		0.50	0.02	µg/L	1	01/25/06 10:28
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 10:28
Trichloroethene	ND		0.50	0.03	µg/L	1	01/25/06 10:28
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/25/06 10:28
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/25/06 10:28
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/25/06 10:28
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 10:28
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/25/06 10:28
Toluene	0.30	J	0.50	0.02	µg/L	1	01/25/06 10:28
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 10:28
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 10:28
Tetrachloroethene	2.97		0.50	0.05	µg/L	1	01/25/06 10:28
2-Hexanone	ND		5.00	0.36	µg/L	1	01/25/06 10:28

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601121-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-MW-2***
W Order:	0601121	**Collection Date:**	01/19/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2127.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/25/06 10:28
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/25/06 10:28
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 10:28
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 10:28
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/25/06 10:28
Styrene	ND		0.50	0.02	µg/L	1	01/25/06 10:28
Bromoform	ND		0.50	0.13	µg/L	1	01/25/06 10:28
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 10:28
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/25/06 10:28
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 10:28
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/25/06 10:28
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/25/06 10:28
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/25/06 10:28
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/25/06 10:28
Surr: Dibromofluoromethane	99.6		75-127	0.05	%REC	1	01/25/06 10:28
Surr: 1,2-Dichloroethane-d4	98.6		75-134	0.04	%REC	1	01/25/06 10:28
Surr: Toluene-d8	105		75-125	0.02	%REC	1	01/25/06 10:28
Surr: 4-Bromofluorobenzene	101		75-125	0.07	%REC	1	01/25/06 10:28

Qualifiers:

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		

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 25 Jan 2006 10:28
Data File: C:\HPCHEM\1\DATA\T2127.D
Name: 0601121-001A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
T2127.D T116NTCL.M	Fri Feb 10 12:38:41 2006				MS1			

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601121-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-MW-1A***
W Order:	0601121	**Collection Date:**	01/19/06 10:30
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 10:32:27 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2114.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/24/06 23:34
Chloromethane	ND		1.00	0.03	µg/L	1	01/24/06 23:34
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/24/06 23:34
Bromomethane	ND		1.00	0.10	µg/L	1	01/24/06 23:34
Chloroethane	ND		1.00	0.08	µg/L	1	01/24/06 23:34
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/24/06 23:34
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/24/06 23:34
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/24/06 23:34
Acetone	ND		10.0	0.23	µg/L	1	01/24/06 23:34
Carbon disulfide	ND		0.50	0.03	µg/L	1	01/24/06 23:34
Methyl acetate	ND		0.50	0.05	µg/L	1	01/24/06 23:34
Methylene chloride	ND		2.00	0.09	µg/L	1	01/24/06 23:34
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 23:34
Methyl tert-butyl ether	0.19	J	0.50	0.03	µg/L	1	01/24/06 23:34
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 23:34
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/24/06 23:34
2-Butanone	ND		10.0	0.68	µg/L	1	01/24/06 23:34
Chloroform	0.14	J	0.50	0.02	µg/L	1	01/24/06 23:34
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 23:34
Cyclohexane	ND		0.50	0.02	µg/L	1	01/24/06 23:34
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/24/06 23:34
Benzene	ND		0.50	0.02	µg/L	1	01/24/06 23:34
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/24/06 23:34
Trichloroethene	ND		0.50	0.03	µg/L	1	01/24/06 23:34
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/24/06 23:34
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/24/06 23:34
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/24/06 23:34
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 23:34
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/24/06 23:34
Toluene	ND		0.50	0.02	µg/L	1	01/24/06 23:34
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/24/06 23:34
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/24/06 23:34
Tetrachloroethene	1.58		0.50	0.05	µg/L	1	01/24/06 23:34
2-Hexanone	ND		5.00	0.36	µg/L	1	01/24/06 23:34

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601121-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-MW-1A***
W Order:	0601121	**Collection Date:**	01/19/06 10:30
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 10:32:27 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2114.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/24/06 23:34
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/24/06 23:34
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 23:34
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 23:34
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/24/06 23:34
Styrene	ND		0.50	0.02	µg/L	1	01/24/06 23:34
Bromoform	ND		0.50	0.13	µg/L	1	01/24/06 23:34
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/24/06 23:34
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/24/06 23:34
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/24/06 23:34
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/24/06 23:34
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/24/06 23:34
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/24/06 23:34
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/24/06 23:34
Surr: Dibromofluoromethane	99.2		75-127	0.05	%REC	1	01/24/06 23:34
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	01/24/06 23:34
Surr: Toluene-d8	104		75-125	0.02	%REC	1	01/24/06 23:34
Surr: 4-Bromofluorobenzene	99.5		75-125	0.07	%REC	1	01/24/06 23:34

Qualifiers:

- 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

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 24 Jan 2006 23:34
Data File: C:\HPCHEM\1\DATA\T2114.D
Name: 0601121-002A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

T2114.D T116NTCL.M Fri Feb 10 12:38:27 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601121-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-3***
W Order:	0601121	**Collection Date:**	01/19/06 0:00
Matrix:	WATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 10:32:27 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2115.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/25/06 0:06
Chloromethane	ND		1.00	0.03	µg/L	1	01/25/06 0:06
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/25/06 0:06
Bromomethane	ND		1.00	0.10	µg/L	1	01/25/06 0:06
Chloroethane	ND		1.00	0.08	µg/L	1	01/25/06 0:06
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/25/06 0:06
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/25/06 0:06
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/25/06 0:06
Acetone	1.36	J	10.0	0.23	µg/L	1	01/25/06 0:06
Carbon disulfide	ND		0.50	0.03	µg/L	1	01/25/06 0:06
Methyl acetate	ND		0.50	0.05	µg/L	1	01/25/06 0:06
Methylene chloride	0.17	J	2.00	0.09	µg/L	1	01/25/06 0:06
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 0:06
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/25/06 0:06
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 0:06
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 0:06
2-Butanone	ND		10.0	0.68	µg/L	1	01/25/06 0:06
Chloroform	ND		0.50	0.02	µg/L	1	01/25/06 0:06
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 0:06
Cyclohexane	ND		0.50	0.02	µg/L	1	01/25/06 0:06
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/25/06 0:06
Benzene	ND		0.50	0.02	µg/L	1	01/25/06 0:06
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 0:06
Trichloroethene	ND		0.50	0.03	µg/L	1	01/25/06 0:06
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/25/06 0:06
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/25/06 0:06
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/25/06 0:06
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 0:06
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/25/06 0:06
Toluene	ND		0.50	0.02	µg/L	1	01/25/06 0:06
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 0:06
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 0:06
Tetrachloroethene	ND		0.50	0.05	µg/L	1	01/25/06 0:06
2-Hexanone	ND		5.00	0.36	µg/L	1	01/25/06 0:06

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601121-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-3***
W Order:	0601121	**Collection Date:**	01/19/06 0:00
Matrix:	WATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 10:32:27 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2115.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/25/06 0:06
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/25/06 0:06
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 0:06
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 0:06
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/25/06 0:06
Styrene	ND		0.50	0.02	µg/L	1	01/25/06 0:06
Bromoform	ND		0.50	0.13	µg/L	1	01/25/06 0:06
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 0:06
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/25/06 0:06
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 0:06
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/25/06 0:06
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/25/06 0:06
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/25/06 0:06
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/25/06 0:06
Surr: Dibromofluoromethane	100		75-127	0.05	%REC	1	01/25/06 0:06
Surr: 1,2-Dichloroethane-d4	106		75-134	0.04	%REC	1	01/25/06 0:06
Surr: Toluene-d8	104		75-125	0.02	%REC	1	01/25/06 0:06
Surr: 4-Bromofluorobenzene	102		75-125	0.07	%REC	1	01/25/06 0:06

Qualifiers:

- 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

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 25 Jan 2006 00:06
Data File: C:\HPCHEM\1\DATA\T2115.D
Name: 0601121-003A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
T2115.D T116NTCL.M	Fri Feb 10 12:38:28 2006				MS1			

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601121-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-5 (29)***
W Order:	0601121	**Collection Date:**	01/19/06 15:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 10:32:27 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2116.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/25/06 0:38
Chloromethane	ND		1.00	0.03	µg/L	1	01/25/06 0:38
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/25/06 0:38
Bromomethane	ND		1.00	0.10	µg/L	1	01/25/06 0:38
Chloroethane	ND		1.00	0.08	µg/L	1	01/25/06 0:38
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/25/06 0:38
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/25/06 0:38
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/25/06 0:38
Acetone T B	~~3.40~~ ND	~~J~~	10.0	0.23	µg/L	1	01/25/06 0:38
Carbon disulfide	0.35	J	0.50	0.03	µg/L	1	01/25/06 0:38
Methyl acetate	ND		0.50	0.05	µg/L	1	01/25/06 0:38
Methylene chloride T B	~~0.20~~ ND	~~J~~	2.00	0.09	µg/L	1	01/25/06 0:38
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 0:38
Methyl tert-butyl ether	0.14	J	0.50	0.03	µg/L	1	01/25/06 0:38
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 0:38
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 0:38
2-Butanone	ND		10.0	0.68	µg/L	1	01/25/06 0:38
Chloroform	0.69		0.50	0.02	µg/L	1	01/25/06 0:38
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 0:38
Cyclohexane	ND		0.50	0.02	µg/L	1	01/25/06 0:38
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/25/06 0:38
Benzene	0.11	J	0.50	0.02	µg/L	1	01/25/06 0:38
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 0:38
Trichloroethene	ND		0.50	0.03	µg/L	1	01/25/06 0:38
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/25/06 0:38
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/25/06 0:38
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/25/06 0:38
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 0:38
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/25/06 0:38
Toluene	0.60		0.50	0.02	µg/L	1	01/25/06 0:38
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 0:38
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 0:38
Tetrachloroethene	1.19		0.50	0.05	µg/L	1	01/25/06 0:38
2-Hexanone	ND		5.00	0.36	µg/L	1	01/25/06 0:38

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601121-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-5 (29)***
W Order:	0601121	**Collection Date:**	01/19/06 15:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 10:32:27 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2116.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/25/06 0:38
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/25/06 0:38
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 0:38
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 0:38
Xylenes (total)	0.11	J	1.00	0.04	µg/L	1	01/25/06 0:38
Styrene	ND		0.50	0.02	µg/L	1	01/25/06 0:38
Bromoform	ND		0.50	0.13	µg/L	1	01/25/06 0:38
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 0:38
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/25/06 0:38
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 0:38
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/25/06 0:38
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/25/06 0:38
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/25/06 0:38
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/25/06 0:38
Surr: Dibromofluoromethane	101		75-127	0.05	%REC	1	01/25/06 0:38
Surr: 1,2-Dichloroethane-d4	107		75-134	0.04	%REC	1	01/25/06 0:38
Surr: Toluene-d8	104		75-125	0.02	%REC	1	01/25/06 0:38
Surr: 4-Bromofluorobenzene	99.3		75-125	0.07	%REC	1	01/25/06 0:38

Qualifiers:

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		

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander.

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 25 Jan 2006 00:38
Data File: C:\HPCHEM\1\DATA\T2116.D
Name: 0601121-004A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name		RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
✓Isobutane	1	3.28	1.1	ug/L	240431	ISTD01	9.97	2211660	10.0
~~1-Butene~~	2	3.49	8.5	ug/L	1873300	ISTD01	9.97	2211660	10.0
✓Butane, 2-methyl-	3	4.29	1.3	ug/L	297484	ISTD01	9.97	2211660	10.0
~~1-Pentene~~	4	4.63	1.6	ug/L	353037	ISTD01	9.97	2211660	10.0
✓Pentane	5	4.67	1.4	ug/L	313536	ISTD01	9.97	2211660	10.0

T2116.D T116NTCL.M Fri Feb 10 12:38:33 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	✓	11		21	
2	unk C_4H_8	12		22	
3	✓	13		23	
4	unk C_5H_{10}	14		24	
5	✓	15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601121-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-2*
W Order:	0601121	**Collection Date:**	01/19/06 15:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 10:32:27 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2117.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/25/06 1:10
Chloromethane	ND		1.00	0.03	µg/L	1	01/25/06 1:10
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/25/06 1:10
Bromomethane	ND		1.00	0.10	µg/L	1	01/25/06 1:10
Chloroethane	ND		1.00	0.08	µg/L	1	01/25/06 1:10
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/25/06 1:10
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/25/06 1:10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/25/06 1:10
Acetone T B	~~3.55~~ ND	J	10.0	0.23	µg/L	1	01/25/06 1:10
Carbon disulfide	0.37	J	0.50	0.03	µg/L	1	01/25/06 1:10
Methyl acetate	ND		0.50	0.05	µg/L	1	01/25/06 1:10
Methylene chloride	ND		2.00	0.09	µg/L	1	01/25/06 1:10
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 1:10
Methyl tert-butyl ether	0.14	J	0.50	0.03	µg/L	1	01/25/06 1:10
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 1:10
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 1:10
2-Butanone	1.18	J	10.0	0.68	µg/L	1	01/25/06 1:10
Chloroform	0.59		0.50	0.02	µg/L	1	01/25/06 1:10
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 1:10
Cyclohexane	ND		0.50	0.02	µg/L	1	01/25/06 1:10
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/25/06 1:10
Benzene	0.12	J	0.50	0.02	µg/L	1	01/25/06 1:10
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 1:10
Trichloroethene	ND		0.50	0.03	µg/L	1	01/25/06 1:10
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/25/06 1:10
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/25/06 1:10
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/25/06 1:10
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 1:10
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/25/06 1:10
Toluene	0.56		0.50	0.02	µg/L	1	01/25/06 1:10
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 1:10
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 1:10
Tetrachloroethene	1.20		0.50	0.05	µg/L	1	01/25/06 1:10
2-Hexanone	ND		5.00	0.36	µg/L	1	01/25/06 1:10

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601121-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-2*
W Order:	0601121	**Collection Date:**	01/19/06 15:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4309
Revision:	01/25/06 10:32:27 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2117.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/25/06 1:10
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/25/06 1:10
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 1:10
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 1:10
Xylenes (total)	0.10	J	1.00	0.04	µg/L	1	01/25/06 1:10
Styrene	ND		0.50	0.02	µg/L	1	01/25/06 1:10
Bromoform	ND		0.50	0.13	µg/L	1	01/25/06 1:10
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 1:10
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/25/06 1:10
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 1:10
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/25/06 1:10
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/25/06 1:10
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/25/06 1:10
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/25/06 1:10
Surr: Dibromofluoromethane	100		75-127	0.05	%REC	1	01/25/06 1:10
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	01/25/06 1:10
Surr: Toluene-d8	104		75-125	0.02	%REC	1	01/25/06 1:10
Surr: 4-Bromofluorobenzene	98.9		75-125	0.07	%REC	1	01/25/06 1:10

Qualifiers:

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		

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 25 Jan 2006 1:10
Data File: C:\HPCHEM\1\DATA\T2117.D
Name: 0601121-005A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name		RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Isobutane	1	3.28	1.1	ug/L	271013	ISTD01	9.97	2550350	10.0
~~1-Butene~~	2	3.50	9.6	ug/L	2451450	ISTD01	9.97	2550350	10.0
Butane, 2-methyl-	3	4.30	1.5	ug/L	379456	ISTD01	9.97	2550350	10.0
~~1-Pentene~~	4	4.65	2.2	ug/L	548894	ISTD01	9.97	2550350	10.0
Pentane	5	4.68	1.4	ug/L	355929	ISTD01	9.97	2550350	10.0

T2117.D T116NTCL.M Fri Feb 10 12:38:37 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	✓	11		21	
2	unk C_4H_8	12		22	
3	✓	13		23	
4	unk C_5H_{10}	14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601121-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (21)***
W Order:	0601121	**Collection Date:**	01/20/06 8:30
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2128.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/25/06 11:01
Chloromethane	ND		1.00	0.03	µg/L	1	01/25/06 11:01
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/25/06 11:01
Bromomethane	ND		1.00	0.10	µg/L	1	01/25/06 11:01
Chloroethane	ND		1.00	0.08	µg/L	1	01/25/06 11:01
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/25/06 11:01
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/25/06 11:01
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/25/06 11:01
Acetone T B	ND	3.14 J	10.0	0.23	µg/L	1	01/25/06 11:01
Carbon disulfide	0.42	J	0.50	0.03	µg/L	1	01/25/06 11:01
Methyl acetate	ND		0.50	0.05	µg/L	1	01/25/06 11:01
Methylene chloride	ND		2.00	0.09	µg/L	1	01/25/06 11:01
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 11:01
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/25/06 11:01
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 11:01
cis-1,2-Dichloroethene	5.11		0.50	0.04	µg/L	1	01/25/06 11:01
2-Butanone	ND		10.0	0.68	µg/L	1	01/25/06 11:01
Chloroform	0.39	J	0.50	0.02	µg/L	1	01/25/06 11:01
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 11:01
Cyclohexane	ND		0.50	0.02	µg/L	1	01/25/06 11:01
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/25/06 11:01
Benzene	ND		0.50	0.02	µg/L	1	01/25/06 11:01
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 11:01
Trichloroethene	1.65		0.50	0.03	µg/L	1	01/25/06 11:01
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/25/06 11:01
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/25/06 11:01
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/25/06 11:01
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 11:01
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/25/06 11:01
Toluene	0.46	J	0.50	0.02	µg/L	1	01/25/06 11:01
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 11:01
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 11:01
Tetrachloroethene report from 205 E			0.50	0.05	µg/L	1	01/25/06 11:01
2-Hexanone diluted analysis	ND		5.00	0.36	µg/L	1	01/25/06 11:01

Qualifiers:

- 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 Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601121-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (21)***
W Order:	0601121	**Collection Date:**	01/20/06 8:30
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2128.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/25/06 11:01
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/25/06 11:01
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 11:01
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 11:01
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/25/06 11:01
Styrene	ND		0.50	0.02	µg/L	1	01/25/06 11:01
Bromoform	ND		0.50	0.13	µg/L	1	01/25/06 11:01
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 11:01
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/25/06 11:01
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 11:01
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/25/06 11:01
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/25/06 11:01
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/25/06 11:01
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/25/06 11:01
Surr: Dibromofluoromethane	96.8		75-127	0.05	%REC	1	01/25/06 11:01
Surr: 1,2-Dichloroethane-d4	97.8		75-134	0.04	%REC	1	01/25/06 11:01
Surr: Toluene-d8	104		75-125	0.02	%REC	1	01/25/06 11:01
Surr: 4-Bromofluorobenzene	100		75-125	0.07	%REC	1	01/25/06 11:01

Qualifiers:

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		

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 25 Jan 2006 11:01
Data File: C:\HPCHEM\1\DATA\T2128.D
Name: 0601121-006A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~1-Butene~~	3.50	2.4	ug/L	708641	ISTD01	9.97	2948050	10.0

T2128.D T116NTCL.M Fri Feb 10 12:38:43 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	unk C4H8	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601121-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (21)***
W Order:	0601121	**Collection Date:**	01/20/06 8:30
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-DL-T2132.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		20.0	0.60	µg/L	20	01/25/06 13:09
Chloromethane	ND		20.0	0.68	µg/L	20	01/25/06 13:09
Vinyl chloride	ND		20.0	0.62	µg/L	20	01/25/06 13:09
Bromomethane	ND		20.0	1.94	µg/L	20	01/25/06 13:09
Chloroethane	ND		20.0	1.66	µg/L	20	01/25/06 13:09
Trichlorofluoromethane	ND		20.0	0.36	µg/L	20	01/25/06 13:09
1,1-Dichloroethene	ND		10.0	0.44	µg/L	20	01/25/06 13:09
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10.0	0.96	µg/L	20	01/25/06 13:09
Acetone	ND		200	4.60	µg/L	20	01/25/06 13:09
Carbon disulfide	ND		10.0	0.64	µg/L	20	01/25/06 13:09
Methyl acetate	ND		10.0	1.08	µg/L	20	01/25/06 13:09
Methylene chloride	ND		40.0	1.78	µg/L	20	01/25/06 13:09
trans-1,2-Dichloroethene	ND		10.0	0.78	µg/L	20	01/25/06 13:09
Methyl tert-butyl ether	ND		10.0	0.64	µg/L	20	01/25/06 13:09
1,1-Dichloroethane	ND		10.0	0.44	µg/L	20	01/25/06 13:09
cis-1,2-Dichloroethene	4.80	J	10.0	0.78	µg/L	20	01/25/06 13:09
2-Butanone	ND		200	13.6	µg/L	20	01/25/06 13:09
Chloroform	ND		10.0	0.46	µg/L	20	01/25/06 13:09
1,1,1-Trichloroethane	ND		10.0	0.82	µg/L	20	01/25/06 13:09
Cyclohexane	ND		10.0	0.50	µg/L	20	01/25/06 13:09
Carbon tetrachloride	ND		10.0	0.66	µg/L	20	01/25/06 13:09
Benzene	ND		10.0	0.34	µg/L	20	01/25/06 13:09
1,2-Dichloroethane	ND		10.0	0.36	µg/L	20	01/25/06 13:09
Trichloroethene	ND		10.0	0.62	µg/L	20	01/25/06 13:09
Methylcyclohexane	ND		10.0	0.58	µg/L	20	01/25/06 13:09
1,2-Dichloropropane	ND		10.0	0.94	µg/L	20	01/25/06 13:09
Bromodichloromethane	ND		10.0	0.46	µg/L	20	01/25/06 13:09
cis-1,3-Dichloropropene	ND		10.0	0.52	µg/L	20	01/25/06 13:09
4-Methyl-2-pentanone	ND		100	24.1	µg/L	20	01/25/06 13:09
Toluene	ND		10.0	0.32	µg/L	20	01/25/06 13:09
trans-1,3-Dichloropropene	ND		10.0	0.62	µg/L	20	01/25/06 13:09
1,1,2-Trichloroethane	ND		10.0	0.86	µg/L	20	01/25/06 13:09
Tetrachloroethene report from this analysis	(313)		10.0	0.92	µg/L	20	01/25/06 13:09
2-Hexanone	ND		100	7.16	µg/L	20	01/25/06 13:09

Qualifiers:

- 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 Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601121-006A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (21)***
W Order:	0601121	**Collection Date:**	01/20/06 8:30
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-DL-T2132.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		10.0	0.34	µg/L	20	01/25/06 13:09
1,2-Dibromoethane	ND		10.0	0.64	µg/L	20	01/25/06 13:09
Chlorobenzene	ND		10.0	0.34	µg/L	20	01/25/06 13:09
Ethylbenzene	ND		10.0	0.50	µg/L	20	01/25/06 13:09
Xylenes (total)	ND		20.0	0.82	µg/L	20	01/25/06 13:09
Styrene	ND		10.0	0.34	µg/L	20	01/25/06 13:09
Bromoform	ND		10.0	2.68	µg/L	20	01/25/06 13:09
Isopropylbenzene	ND		10.0	0.30	µg/L	20	01/25/06 13:09
1,1,2,2-Tetrachloroethane	ND		10.0	0.92	µg/L	20	01/25/06 13:09
1,3-Dichlorobenzene	ND		10.0	0.42	µg/L	20	01/25/06 13:09
1,4-Dichlorobenzene	ND		10.0	0.78	µg/L	20	01/25/06 13:09
1,2-Dichlorobenzene	ND		10.0	1.34	µg/L	20	01/25/06 13:09
1,2-Dibromo-3-chloropropane	ND		20.0	4.42	µg/L	20	01/25/06 13:09
1,2,4-Trichlorobenzene	ND		20.0	2.68	µg/L	20	01/25/06 13:09
Surr: Dibromofluoromethane	101		75-127	1.02	%REC	20	01/25/06 13:09
Surr: 1,2-Dichloroethane-d4	99.3		75-134	0.90	%REC	20	01/25/06 13:09
Surr: Toluene-d8	104		75-125	0.50	%REC	20	01/25/06 13:09
Surr: 4-Bromofluorobenzene	100		75-125	1.38	%REC	20	01/25/06 13:09

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601121-007A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (34)***
W Order:	0601121	**Collection Date:**	01/20/06 9:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2129.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/25/06 11:33
Chloromethane	ND		1.00	0.03	µg/L	1	01/25/06 11:33
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/25/06 11:33
Bromomethane	ND		1.00	0.10	µg/L	1	01/25/06 11:33
Chloroethane	ND		1.00	0.08	µg/L	1	01/25/06 11:33
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/25/06 11:33
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/25/06 11:33
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/25/06 11:33
Acetone T.B.	ND 4.79	J	10.0	0.23	µg/L	1	01/25/06 11:33
Carbon disulfide	0.69		0.50	0.03	µg/L	1	01/25/06 11:33
Methyl acetate	ND		0.50	0.05	µg/L	1	01/25/06 11:33
Methylene chloride	ND		2.00	0.09	µg/L	1	01/25/06 11:33
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 11:33
Methyl tert-butyl ether	0.20	J	0.50	0.03	µg/L	1	01/25/06 11:33
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 11:33
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 11:33
2-Butanone	1.66	J	10.0	0.68	µg/L	1	01/25/06 11:33
Chloroform	0.10	J	0.50	0.02	µg/L	1	01/25/06 11:33
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 11:33
Cyclohexane	ND		0.50	0.02	µg/L	1	01/25/06 11:33
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/25/06 11:33
Benzene	0.21	J	0.50	0.02	µg/L	1	01/25/06 11:33
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 11:33
Trichloroethene	0.29	J	0.50	0.03	µg/L	1	01/25/06 11:33
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/25/06 11:33
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/25/06 11:33
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/25/06 11:33
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 11:33
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/25/06 11:33
Toluene	0.55		0.50	0.02	µg/L	1	01/25/06 11:33
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 11:33
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 11:33
Tetrachloroethene (report from diluted analysis)	106	E	0.50	0.05	µg/L	1	01/25/06 11:33
2-Hexanone	ND		5.00	0.36	µg/L	1	01/25/06 11:33

Qualifiers:

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- 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

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601121-007A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (34)***
W Order:	0601121	**Collection Date:**	01/20/06 9:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4315
Revision:	01/26/06 9:12:09 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2129.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/25/06 11:33
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/25/06 11:33
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 11:33
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 11:33
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/25/06 11:33
Styrene	ND		0.50	0.02	µg/L	1	01/25/06 11:33
Bromoform	ND		0.50	0.13	µg/L	1	01/25/06 11:33
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 11:33
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/25/06 11:33
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 11:33
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/25/06 11:33
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/25/06 11:33
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/25/06 11:33
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/25/06 11:33
Surr: Dibromofluoromethane	97.2		75-127	0.05	%REC	1	01/25/06 11:33
Surr: 1,2-Dichloroethane-d4	98.6		75-134	0.04	%REC	1	01/25/06 11:33
Surr: Toluene-d8	105		75-125	0.02	%REC	1	01/25/06 11:33
Surr: 4-Bromofluorobenzene	99.4		75-125	0.07	%REC	1	01/25/06 11:33

Qualifiers:

- 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

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 25 Jan 2006 11:33
Data File: C:\HPCHEM\1\DATA\T2129.D
Name: 0601121-007A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name		RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Isobutane	1	3.29	1.2	ug/L	361437	ISTD01	9.98	3061670	10.0
1-Butene	2	3.50	14.1	ug/L	4312650	ISTD01	9.98	3061670	10.0
1-Propene, 2-methyl-	3	3.79	1.5	ug/L	447592	ISTD01	9.98	3061670	10.0
Butane, 2-methyl-	4	4.30	1.8	ug/L	537444	ISTD01	9.98	3061670	10.0
1-Pentene	5	4.64	2.9	ug/L	885030	ISTD01	9.98	3061670	10.0
2-Hexanone, 4-hydrox	6	4.68	2.0	ug/L	607010	ISTD01	9.98	3061670	10.0
1-Hexene	7	6.79	1.3	ug/L	399197	ISTD01	9.98	3061670	10.0

T2129.D T116NTCL.M Fri Feb 10 12:38:48 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	✓	11		21	
2	unk C_4H_8	12		22	
3	unk C_4H_8	13		23	
4	✓	14		24	
5	unk C_5H_{10}	15		25	
6	unk	16		26	
7	unk C_6H_{12}	17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601121-007A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (34)***
W Order:	0601121	**Collection Date:**	01/20/06 9:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-DL-T2133.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		5.00	0.15	µg/L	5	01/25/06 13:41
Chloromethane	ND		5.00	0.17	µg/L	5	01/25/06 13:41
Vinyl chloride	ND		5.00	0.16	µg/L	5	01/25/06 13:41
Bromomethane	ND		5.00	0.48	µg/L	5	01/25/06 13:41
Chloroethane	ND		5.00	0.42	µg/L	5	01/25/06 13:41
Trichlorofluoromethane	ND		5.00	0.09	µg/L	5	01/25/06 13:41
1,1-Dichloroethene	ND		2.50	0.11	µg/L	5	01/25/06 13:41
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.50	0.24	µg/L	5	01/25/06 13:41
Acetone	ND		50.0	1.15	µg/L	5	01/25/06 13:41
Carbon disulfide	ND		2.50	0.16	µg/L	5	01/25/06 13:41
Methyl acetate	ND		2.50	0.27	µg/L	5	01/25/06 13:41
Methylene chloride	ND		10.0	0.45	µg/L	5	01/25/06 13:41
trans-1,2-Dichloroethene	ND		2.50	0.20	µg/L	5	01/25/06 13:41
Methyl tert-butyl ether	ND		2.50	0.16	µg/L	5	01/25/06 13:41
1,1-Dichloroethane	ND		2.50	0.11	µg/L	5	01/25/06 13:41
cis-1,2-Dichloroethene	ND		2.50	0.20	µg/L	5	01/25/06 13:41
2-Butanone	ND		50.0	3.40	µg/L	5	01/25/06 13:41
Chloroform	ND		2.50	0.12	µg/L	5	01/25/06 13:41
1,1,1-Trichloroethane	ND		2.50	0.20	µg/L	5	01/25/06 13:41
Cyclohexane	ND		2.50	0.12	µg/L	5	01/25/06 13:41
Carbon tetrachloride	ND		2.50	0.16	µg/L	5	01/25/06 13:41
Benzene	ND		2.50	0.08	µg/L	5	01/25/06 13:41
1,2-Dichloroethane	ND		2.50	0.09	µg/L	5	01/25/06 13:41
Trichloroethene	ND		2.50	0.16	µg/L	5	01/25/06 13:41
Methylcyclohexane	ND		2.50	0.14	µg/L	5	01/25/06 13:41
1,2-Dichloropropane	ND		2.50	0.24	µg/L	5	01/25/06 13:41
Bromodichloromethane	ND		2.50	0.12	µg/L	5	01/25/06 13:41
cis-1,3-Dichloropropene	ND		2.50	0.13	µg/L	5	01/25/06 13:41
4-Methyl-2-pentanone	ND		25.0	6.02	µg/L	5	01/25/06 13:41
Toluene	0.75	J	2.50	0.08	µg/L	5	01/25/06 13:41
trans-1,3-Dichloropropene	ND		2.50	0.16	µg/L	5	01/25/06 13:41
1,1,2-Trichloroethane	ND		2.50	0.22	µg/L	5	01/25/06 13:41
Tetrachloroethene	109		2.50	0.23	µg/L	5	01/25/06 13:41
2-Hexanone	ND		25.0	1.79	µg/L	5	01/25/06 13:41

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

Life Science Laboratories, Inc.
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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601121-007A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (34)***
W Order:	0601121	**Collection Date:**	01/20/06 9:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-DL-T2133.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		2.50	0.08	µg/L	5	01/25/06 13:41
1,2-Dibromoethane	ND		2.50	0.16	µg/L	5	01/25/06 13:41
Chlorobenzene	ND		2.50	0.08	µg/L	5	01/25/06 13:41
Ethylbenzene	ND		2.50	0.12	µg/L	5	01/25/06 13:41
Xylenes (total)	ND		5.00	0.20	µg/L	5	01/25/06 13:41
Styrene	ND		2.50	0.08	µg/L	5	01/25/06 13:41
Bromoform	ND		2.50	0.67	µg/L	5	01/25/06 13:41
Isopropylbenzene	ND		2.50	0.08	µg/L	5	01/25/06 13:41
1,1,2,2-Tetrachloroethane	ND		2.50	0.23	µg/L	5	01/25/06 13:41
1,3-Dichlorobenzene	ND		2.50	0.10	µg/L	5	01/25/06 13:41
1,4-Dichlorobenzene	ND		2.50	0.20	µg/L	5	01/25/06 13:41
1,2-Dichlorobenzene	ND		2.50	0.34	µg/L	5	01/25/06 13:41
1,2-Dibromo-3-chloropropane	ND		5.00	1.10	µg/L	5	01/25/06 13:41
1,2,4-Trichlorobenzene	ND		5.00	0.67	µg/L	5	01/25/06 13:41
Surr: Dibromofluoromethane	99.8		75-127	0.26	%REC	5	01/25/06 13:41
Surr: 1,2-Dichloroethane-d4	99.7		75-134	0.23	%REC	5	01/25/06 13:41
Surr: Toluene-d8	106		75-125	0.12	%REC	5	01/25/06 13:41
Surr: 4-Bromofluorobenzene	99.2		75-125	0.34	%REC	5	01/25/06 13:41

Qualifiers:

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		

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

Life Science Laboratories, Inc.
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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0601121-008A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (44)***
W Order:	0601121	**Collection Date:**	01/20/06 10:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2130.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/25/06 12:05
Chloromethane	ND		1.00	0.03	µg/L	1	01/25/06 12:05
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/25/06 12:05
Bromomethane	ND		1.00	0.10	µg/L	1	01/25/06 12:05
Chloroethane	ND		1.00	0.08	µg/L	1	01/25/06 12:05
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/25/06 12:05
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/25/06 12:05
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/25/06 12:05
Acetone T. S.	ND 3.00	J	10.0	0.23	µg/L	1	01/25/06 12:05
Carbon disulfide	0.83		0.50	0.03	µg/L	1	01/25/06 12:05
Methyl acetate	ND		0.50	0.05	µg/L	1	01/25/06 12:05
Methylene chloride	ND		2.00	0.09	µg/L	1	01/25/06 12:05
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 12:05
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/25/06 12:05
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 12:05
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 12:05
2-Butanone	1.12	J	10.0	0.68	µg/L	1	01/25/06 12:05
Chloroform	ND		0.50	0.02	µg/L	1	01/25/06 12:05
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 12:05
Cyclohexane	ND		0.50	0.02	µg/L	1	01/25/06 12:05
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/25/06 12:05
Benzene	0.17	J	0.50	0.02	µg/L	1	01/25/06 12:05
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 12:05
Trichloroethene	ND		0.50	0.03	µg/L	1	01/25/06 12:05
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/25/06 12:05
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/25/06 12:05
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/25/06 12:05
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 12:05
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/25/06 12:05
Toluene	0.63		0.50	0.02	µg/L	1	01/25/06 12:05
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 12:05
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 12:05
Tetrachloroethene	11.2		0.50	0.05	µg/L	1	01/25/06 12:05
2-Hexanone	ND		5.00	0.36	µg/L	1	01/25/06 12:05

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601121-008A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-6 (44)***
W Order:	0601121	**Collection Date:**	01/20/06 10:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2130.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/25/06 12:05
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/25/06 12:05
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 12:05
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 12:05
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/25/06 12:05
Styrene	ND		0.50	0.02	µg/L	1	01/25/06 12:05
Bromoform	ND		0.50	0.13	µg/L	1	01/25/06 12:05
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 12:05
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/25/06 12:05
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 12:05
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/25/06 12:05
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/25/06 12:05
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/25/06 12:05
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/25/06 12:05
Surr: Dibromofluoromethane	99.0		75-127	0.05	%REC	1	01/25/06 12:05
Surr: 1,2-Dichloroethane-d4	100		75-134	0.04	%REC	1	01/25/06 12:05
Surr: Toluene-d8	105		75-125	0.02	%REC	1	01/25/06 12:05
Surr: 4-Bromofluorobenzene	101		75-125	0.07	%REC	1	01/25/06 12:05

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 25 Jan 2006 12:05
Data File: C:\HPCHEM\1\DATA\T2130.D
Name: 0601121-008A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

	TIC Top Hit name		RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
✓	Isobutane	1	3.28	1.2	ug/L	333560	ISTD01	9.97	2828400	10.0
	~~1-Propene, 2-methyl-~~	2	3.49	17.1	ug/L	4840360	ISTD01	9.97	2828400	10.0
	~~1-Butene~~	3	3.78	1.8	ug/L	500545	ISTD01	9.97	2828400	10.0
✓	Butane, 2-methyl-	4	4.30	2.1	ug/L	606307	ISTD01	9.97	2828400	10.0
	~~Cyclopropane, ethyl-~~	5	4.64	3.5	ug/L	987688	ISTD01	9.97	2828400	10.0
	~~Pentane~~	6	4.68	2.6	ug/L	731903	ISTD01	9.97	2828400	10.0
	~~1-Butene, 2-methyl-~~	7	5.10	1.2	ug/L	349061	ISTD01	9.97	2828400	10.0
	~~Cyclopropane, 1-ethy~~	8	6.01	1.1	ug/L	313258	ISTD01	9.97	2828400	10.0
	~~1-Hexene~~	9	6.79	1.7	ug/L	468630	ISTD01	9.97	2828400	10.0

T2130.D T116NTCL.M Fri Feb 10 12:38:54 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1.00 for results in ppb.

1	✓	11		21	
2	unk C_4H_8	12		22	
3	↓	13		23	
4	✓	14		24	
5	unk C_5H_{10}	15		25	
6	unk	16		26	
7	unk C_5H_{10}	17		27	
8	unk C_6H_{12}	18		28	
9	unk C_6H_{12}	19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0601121-009A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-3*
W Order:	0601121	**Collection Date:**	01/19/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2131.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	01/25/06 12:37
Chloromethane	ND		1.00	0.03	µg/L	1	01/25/06 12:37
Vinyl chloride	ND		1.00	0.03	µg/L	1	01/25/06 12:37
Bromomethane	ND		1.00	0.10	µg/L	1	01/25/06 12:37
Chloroethane	ND		1.00	0.08	µg/L	1	01/25/06 12:37
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	01/25/06 12:37
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	01/25/06 12:37
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	01/25/06 12:37
Acetone	ND		10.0	0.23	µg/L	1	01/25/06 12:37
Carbon disulfide	ND		0.50	0.03	µg/L	1	01/25/06 12:37
Methyl acetate	ND		0.50	0.05	µg/L	1	01/25/06 12:37
Methylene chloride	ND		2.00	0.09	µg/L	1	01/25/06 12:37
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 12:37
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	01/25/06 12:37
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 12:37
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	01/25/06 12:37
2-Butanone	ND		10.0	0.68	µg/L	1	01/25/06 12:37
Chloroform	ND		0.50	0.02	µg/L	1	01/25/06 12:37
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 12:37
Cyclohexane	ND		0.50	0.02	µg/L	1	01/25/06 12:37
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	01/25/06 12:37
Benzene	ND		0.50	0.02	µg/L	1	01/25/06 12:37
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	01/25/06 12:37
Trichloroethene	ND		0.50	0.03	µg/L	1	01/25/06 12:37
Methylcyclohexane	ND		0.50	0.03	µg/L	1	01/25/06 12:37
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	01/25/06 12:37
Bromodichloromethane	ND		0.50	0.02	µg/L	1	01/25/06 12:37
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 12:37
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	01/25/06 12:37
Toluene	ND		0.50	0.02	µg/L	1	01/25/06 12:37
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	01/25/06 12:37
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	01/25/06 12:37
Tetrachloroethene	3.38		0.50	0.05	µg/L	1	01/25/06 12:37
2-Hexanone	ND		5.00	0.36	µg/L	1	01/25/06 12:37

Qualifiers:

- 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

Print Date: 01/26/06 9:12 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0601121-009A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*X-3*
W Order:	0601121	**Collection Date:**	01/19/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	01/21/06 9:00
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R4315
Revision:	01/26/06 9:12:09 A	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-T2131.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	01/25/06 12:37
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	01/25/06 12:37
Chlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 12:37
Ethylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 12:37
Xylenes (total)	ND		1.00	0.04	µg/L	1	01/25/06 12:37
Styrene	ND		0.50	0.02	µg/L	1	01/25/06 12:37
Bromoform	ND		0.50	0.13	µg/L	1	01/25/06 12:37
Isopropylbenzene	ND		0.50	0.02	µg/L	1	01/25/06 12:37
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	01/25/06 12:37
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	01/25/06 12:37
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	01/25/06 12:37
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	01/25/06 12:37
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	01/25/06 12:37
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	01/25/06 12:37
Surr: Dibromofluoromethane	99.6		75-127	0.05	%REC	1	01/25/06 12:37
Surr: 1,2-Dichloroethane-d4	98.7		75-134	0.04	%REC	1	01/25/06 12:37
Surr: Toluene-d8	105		75-125	0.02	%REC	1	01/25/06 12:37
Surr: 4-Bromofluorobenzene	99.8		75-125	0.07	%REC	1	01/25/06 12:37

Qualifiers:

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		

Tentatively Identified Compound (LSC) summary

Operator ID: DJP Date Acquired: 25 Jan 2006 12:37
Data File: C:\HPCHEM\1\DATA\T2131.D
Name: 0601121-009A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T116NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

T2131.D T116NTCL.M Fri Feb 10 12:38:56 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

Life Science Laboratories, Inc.
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Analytical Results

StateCertNo: 10155

CLIENT:	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0602003-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***WD-1***
W Order:	0602003	**Collection Date:**	01/30/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	02/01/06 8:55
Inst. ID:	MS02 12 **Sample Size:** 25 mL	**PrepDate:**	
ColumnID:	Rtx-502.2 **%Moisture:**	**BatchNo:**	R4436
Revision:	02/06/06 1:08:20 P **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-M8690.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	02/03/06 20:09
Chloromethane	ND		1.00	0.03	µg/L	1	02/03/06 20:09
Vinyl chloride	ND		1.00	0.03	µg/L	1	02/03/06 20:09
Bromomethane	ND		1.00	0.10	µg/L	1	02/03/06 20:09
Chloroethane	ND		1.00	0.08	µg/L	1	02/03/06 20:09
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	02/03/06 20:09
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	02/03/06 20:09
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	02/03/06 20:09
Acetone 1,D=5 5 1	ND	J	10.0	0.23	µg/L	1	02/03/06 20:09
Carbon disulfide	ND		0.50	0.03	µg/L	1	02/03/06 20:09
Methyl acetate	ND		0.50	0.05	µg/L	1	02/03/06 20:09
Methylene chloride	ND		2.00	0.09	µg/L	1	02/03/06 20:09
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	02/03/06 20:09
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	02/03/06 20:09
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	02/03/06 20:09
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	02/03/06 20:09
2-Butanone	ND		10.0	0.68	µg/L	1	02/03/06 20:09
Chloroform	ND		0.50	0.02	µg/L	1	02/03/06 20:09
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	02/03/06 20:09
Cyclohexane	ND		0.50	0.02	µg/L	1	02/03/06 20:09
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	02/03/06 20:09
Benzene	ND		0.50	0.02	µg/L	1	02/03/06 20:09
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	02/03/06 20:09
Trichloroethene	ND		0.50	0.03	µg/L	1	02/03/06 20:09
Methylcyclohexane	ND		0.50	0.03	µg/L	1	02/03/06 20:09
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	02/03/06 20:09
Bromodichloromethane	ND		0.50	0.02	µg/L	1	02/03/06 20:09
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	02/03/06 20:09
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	02/03/06 20:09
Toluene	24.3		0.50	0.02	µg/L	1	02/03/06 20:09
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	02/03/06 20:09
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	02/03/06 20:09
Tetrachloroethene	0.19	J	0.50	0.05	µg/L	1	02/03/06 20:09
2-Hexanone	ND		5.00	0.36	µg/L	1	02/03/06 20:09

Qualifiers:

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		

Print Date: 02/06/06 13:22 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0602003-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***WD-1***
W Order:	0602003	**Collection Date:**	01/30/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	02/01/06 8:55
Inst. ID:	MS02 12 **Sample Size:** 25 mL	**PrepDate:**	
ColumnID:	Rtx-502.2 **%Moisture:**	**BatchNo:**	R4436
Revision:	02/06/06 1:08:20 P **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-M8690.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	02/03/06 20:09
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	02/03/06 20:09
Chlorobenzene	ND		0.50	0.02	µg/L	1	02/03/06 20:09
Ethylbenzene	0.10	J	0.50	0.02	µg/L	1	02/03/06 20:09
Xylenes (total)	0.46	J	1.00	0.04	µg/L	1	02/03/06 20:09
Styrene	ND		0.50	0.02	µg/L	1	02/03/06 20:09
Bromoform	ND		0.50	0.13	µg/L	1	02/03/06 20:09
Isopropylbenzene	ND		0.50	0.02	µg/L	1	02/03/06 20:09
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	02/03/06 20:09
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	02/03/06 20:09
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	02/03/06 20:09
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	02/03/06 20:09
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	02/03/06 20:09
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	02/03/06 20:09
Surr: Dibromofluoromethane	105		75-127	0.05	%REC	1	02/03/06 20:09
Surr: 1,2-Dichloroethane-d4	93.3		75-134	0.04	%REC	1	02/03/06 20:09
Surr: Toluene-d8	118		75-125	0.02	%REC	1	02/03/06 20:09
Surr: 4-Bromofluorobenzene	108		75-125	0.07	%REC	1	02/03/06 20:09

Qualifiers:

- 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

Print Date: 02/06/06 13:22 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 3 Feb 2006 20:09
Data File: C:\HPCHEM\1\DATA\M8690.D
Name: 0602003-001A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\MD06NTCL.M (RTE Integrator)
Title: VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

M8690.D MD06NTCL.M Fri Feb 10 12:28:04 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0602003-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*TB-4*
W Order:	0602003	**Collection Date:**	~~12/06/05~~ 0:00 01/30/06
Matrix:	WATER	**Date Received:**	02/01/06 8:55
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:** JMA 2.24.06
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R4436
Revision:	02/06/06 1:08:20 P	**TestCode:** 8260W OLM42	**FileID:** 1-SAMP-M8689.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	02/03/06 19:26
Chloromethane	ND		1.00	0.03	µg/L	1	02/03/06 19:26
Vinyl chloride	ND		1.00	0.03	µg/L	1	02/03/06 19:26
Bromomethane	ND		1.00	0.10	µg/L	1	02/03/06 19:26
Chloroethane	ND		1.00	0.08	µg/L	1	02/03/06 19:26
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	02/03/06 19:26
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	02/03/06 19:26
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	02/03/06 19:26
Acetone	ND		10.0	0.23	µg/L	1	02/03/06 19:26
Carbon disulfide	ND		0.50	0.03	µg/L	1	02/03/06 19:26
Methyl acetate	ND		0.50	0.05	µg/L	1	02/03/06 19:26
Methylene chloride	0.23	J	2.00	0.09	µg/L	1	02/03/06 19:26
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	02/03/06 19:26
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	02/03/06 19:26
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	02/03/06 19:26
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	02/03/06 19:26
2-Butanone	ND		10.0	0.68	µg/L	1	02/03/06 19:26
Chloroform	ND		0.50	0.02	µg/L	1	02/03/06 19:26
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	02/03/06 19:26
Cyclohexane	ND		0.50	0.02	µg/L	1	02/03/06 19:26
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	02/03/06 19:26
Benzene	ND		0.50	0.02	µg/L	1	02/03/06 19:26
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	02/03/06 19:26
Trichloroethene	ND		0.50	0.03	µg/L	1	02/03/06 19:26
Methylcyclohexane	ND		0.50	0.03	µg/L	1	02/03/06 19:26
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	02/03/06 19:26
Bromodichloromethane	ND		0.50	0.02	µg/L	1	02/03/06 19:26
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	02/03/06 19:26
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	02/03/06 19:26
Toluene	ND		0.50	0.02	µg/L	1	02/03/06 19:26
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	02/03/06 19:26
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	02/03/06 19:26
Tetrachloroethene	ND		0.50	0.05	µg/L	1	02/03/06 19:26
2-Hexanone	ND		5.00	0.36	µg/L	1	02/03/06 19:26

Qualifiers:

- 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

Print Date: 02/06/06 13:22 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0602003-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-4***
W Order:	0602003	**Collection Date:**	~~12/06/05 0:00~~ 01/30/06
Matrix:	WATER	**Date Received:**	02/01/06 8:55 TAA 2.24.06
Inst. ID:	MS02 12 **Sample Size:** 25 mL	**PrepDate:**	
ColumnID:	Rtx-502.2 **%Moisture:**	**BatchNo:**	R4436
Revision:	02/06/06 1:08:20 P **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-M8689.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	02/03/06 19:26
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	02/03/06 19:26
Chlorobenzene	ND		0.50	0.02	µg/L	1	02/03/06 19:26
Ethylbenzene	ND		0.50	0.02	µg/L	1	02/03/06 19:26
Xylenes (total)	ND		1.00	0.04	µg/L	1	02/03/06 19:26
Styrene	ND		0.50	0.02	µg/L	1	02/03/06 19:26
Bromoform	ND		0.50	0.13	µg/L	1	02/03/06 19:26
Isopropylbenzene	ND		0.50	0.02	µg/L	1	02/03/06 19:26
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	02/03/06 19:26
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	02/03/06 19:26
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	02/03/06 19:26
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	02/03/06 19:26
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	02/03/06 19:26
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	02/03/06 19:26
Surr: Dibromofluoromethane	105		75-127	0.05	%REC	1	02/03/06 19:26
Surr: 1,2-Dichloroethane-d4	94.1		75-134	0.04	%REC	1	02/03/06 19:26
Surr: Toluene-d8	120		75-125	0.02	%REC	1	02/03/06 19:26
Surr: 4-Bromofluorobenzene	98.6		75-125	0.07	%REC	1	02/03/06 19:26

Qualifiers:

- 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

Print Date: 02/06/06 13:22 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: AJK Date Acquired: 3 Feb 2006 19:26
Data File: C:\HPCHEM\1\DATA\M8689.D
Name: 0602003-002A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\MD06NTCL.M (RTE Integrator)
Title: VOC's w/Restek RTX-502.2, 0.53mm x 105m, 3.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc

M8689.D MD06NTCL.M Fri Feb 10 12:28:00 2006

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by _____ for results in ppb.

1	None	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

SUMMARY OF THE ANALYTICAL DATA USABILITY
Gem Cleaners – Rockville Center, NY

Water Volatile Organic Analyses
Samples Collected January 17th through 30th, 2006
Samples Received January 18th through February 1st ,2006
Sample Delivery Group: 0601094
Laboratory Reference Numbers:

GEM-GWS-1 (29)	0601094-001
GEM-GWS-1 (29) DL	0601094-001 DL
GEM-GWS-1 (29) MS	0601094-001 MS
GEM-GWS-1 (29) MSD	0601094-001 MSD
TB-1	0601094-002
GEM-GWS-2 (29)	0601100-001
GEM-GWS-3 (29)	0601100-002
GEM-GWS-4(20)	0601100-003
GEM-GWS-4 (34)	0601100-004
GEM-GWS-4 (49)	0601100-005
TB-2	0601100-006
GEM-MW-2	0601121-001
GEM-MW-2 MS	0601121-001 MS
GEM-MW-2 MSD	0601121-001 MSD
GEM-MW-1A	0601121-002
TB-3	0601121-003
GEM-GWS-5 (29)	0601121-004
X-2	0601121-005
GEM-GWS-6 (21)	0601121-006
GEM-GWS-6 (34)	0601121-007
GEM-GWS-6 (44)	0601121-008
X-3	0601121-009
WD-1	0602003-001
TB-4	0602003-002

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: MS02 12
Level: Low
Tune File ID: TA\M8435.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: TA\M8436.D **Date:** 12/6/2005 **Page:** 431
Associated Samples: QC-4436, TB-4, WD-1

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon Tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.300		Chlorobenzene	<30		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<30		>0.050		Chloroethane	<30		>0.050	
					Chloroform	<30		>0.050	
1,1,2-Trichloroethane	<30		>0.050		Chloromethane	<30		>0.100	
1,1-Dichloroethane	<30		>0.100		cis-1,2-Dichloroethene	<30		>0.050	
1,1-Dichloroeethene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<30		>0.050	
1,2-Dibromo-3-chloropropane	<30		>0.050		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<30		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<30		>0.050		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanaone	<30		>0.050		Methylene Chloride	<30		>0.050	
2-Hexanone	<30		>0.050		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.050		Tetrachloroethene	<30		>0.050	
Acetone	<30		>0.050		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromodichloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromoform	<30		>0.100		Trichloroethene	<30		>0.050	
Bromomethane	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Carbon Disulfide	<30		>0.050		Vinyl Chloride	<30		>0.050	
					Xylenes	<30		>0.050	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 30% and 60% (J - qualify) N/A
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Methyl tert-butyl ether				Tetrachloroethene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
0.5	62,784	3,641,745	0.345	0.345	84,804	1,938,977	0.875	0.875
2	267,817	3,682,986	0.364	0.364	351,059	2,041,994	0.860	0.860
5	722,624	3,574,997	0.404	0.404	919,420	2,009,725	0.915	0.915
10	1,596,051	3,507,027	0.455	0.455	2,190,198	1,950,774	1.123	1.123
20	3,308,708	3,702,307	0.447	0.447	4,113,490	2,028,888	1.014	1.014
30	5,223,562	3,424,681	0.508	0.508	6,612,359	2,018,989	1.092	1.092
40	6,833,274	3,518,020	0.486	0.486	8,725,866	1,790,346	1.218	1.218
Average			0.430	0.430			1.014	1.014
			Calc	Reported			Calc	Reported
%RSD			14.24	14.24%			13.52	13.52%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: MS02 12
Level: Low
Tune File ID: TA\M8677.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: TA\M8678.D **Date:** 2/3/2006 **Page:** 559
Initial Calibration File ID: TA\M8436.D **Date:** 12/6/2005 **Page:** 431
Associated Samples: QC-4436, TB-4, WD-1

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<25		>0.050		Carbon Tetrachloride	<25		>0.050	
1,1,2,2-Tetrachloroethane	<25		>0.300		Chlorobenzene	<25		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<25		>0.050		Chloroethane	<25		>0.050	
					Chloroform	<25		>0.050	
1,1,2-Trichloroethane	<25		>0.050		Chloromethane	<25		>0.100	
1,1-Dichloroethane	<25		>0.100		cis-1,2-Dichloroethene	<25		>0.050	
1,1-Dichloroethene	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,2,4-Trichlorobenzene	<25		>0.050		Cyclohexane	<25		>0.050	
1,2-Dibromo-3-chloropropane	<25		>0.050		Dibromochloromethane	<25		>0.050	
1,2-Dibromoethane	<25		>0.050		Dichlorodifluoromethane	<25		>0.050	
1,2-Dichlorobenzene	<25		>0.050		Ethylbenzene	<25		>0.050	
1,2-Dichloroethane	<25		>0.050		Isopropylbenzene	<25		>0.050	
1,2-Dichloropropane	<25		>0.050		Methyl acetate	<25		>0.050	
1,3-Dichlorobenzene	<25		>0.050		Methyl tert-butyl ether	<25		>0.050	
1,4-dichlorobenzene	<25		>0.050		Methylcyclohexane	<25		>0.050	
2-Butanaone	<25	29%	>0.050		Methylene Chloride	<25		>0.050	
2-Hexanone	<25		>0.050		Styrene	<25		>0.050	
4-Methyl-2-pentanone	<25		>0.050		Tetrachloroethene	<25		>0.050	
Acetone	<25	55%	>0.050		Toluene	<25		>0.050	
Benzene	<25		>0.050		trans-1,2-Dichloroethene	<25		>0.050	
Bromodichloromethane	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Bromoform	<25		>0.100		Trichloroethene	<25		>0.050	
Bromomethane	<25	27%	>0.050		Trichlorofluoromethane	<25		>0.050	
Carbon Disulfide	<25		>0.050		Vinyl Chloride	<25		>0.050	
					Xylenes	<25		>0.050	

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	29%		>0.050	
toluene-d8	26%		>0.050	
4-bromofluorobenzene	28%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: No
TCL Compounds %D between 25% and 50% (J - qualify) Only if detected in a sample
TCL Compounds %D between 50% and 90% (J - qualify) All Acetone J
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	1,1,2,2-Tetrachloroethane				Chloroform			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
10	964,621	1,559,240	0.619	0.619	2,436,164	3,481,852	0.700	0.700
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.614	**Calc**	**Reported**		0.754	**Calc**	**Reported**
			0.76	0.80			-7.20	7.2

Method Blank: MB-4436 Page: 602
No compounds were detected in this method blank.

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: MS01 11
Level: Low
Tune File ID: TA\T1949.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: TA\T1950.D **Date:** 1/16/2006 **Page:** 503
Associated Samples: QC-4284, 0601094-001MS, 0601094-001MSD, 0601094-001, 0601094-001 DL, 0601094-002, QC-4309, 0601100-001, 0601100-002, 0601100-003, 0601100-004, 0601100-005, 0601100-006, 0601121-005 0601121-002, 0601121-003, 0601121-004, QC-4315, 0601121-001 MS, 0601121-001 MSD, 0601121-001, 0601121-(0601121-007, 0601121-008, 0601121-009, 0601121-006 DL, 0601121-007DL

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon Tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.300		Chlorobenzene	<30		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<30		>0.050		Chloroethane	<30		>0.050	
					Chloroform	<30		>0.050	
1,1,2-Trichloroethane	<30		>0.050		Chloromethane	<30		>0.100	
1,1-Dichloroethane	<30		>0.100		cis-1,2-Dichloroethene	<30		>0.050	
1,1-Dichloroeethene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<30		>0.050	
1,2-Dibromo-3-chloropropane	<30		>0.050		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<30		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<30		>0.050		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanaone	<30		>0.050		Methylene Chloride	<30		>0.050	
2-Hexanone	<30		>0.050		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.050		Tetrachloroethene	<30		>0.050	
Acetone	<30		>0.050		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromodichloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromoform	<30		>0.100		Trichloroethene	<30		>0.050	
Bromomethane	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Carbon Disulfide	<30		>0.050		Vinyl Chloride	<30		>0.050	
					Xylenes	<30		>0.050	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 30% and 60% (J - qualify) N/A
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Carbon Disulfide				Isopropylbenzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
0.3	31,201	1,110,531	0.937	0.937	42,217	432,297	3.255	3.255
0.5	47,923	1,120,578	0.855	0.855	66,858	433,566	3.084	3.084
2	170,921	1,079,499	0.792	0.792	258,324	430,798	2.998	2.998
10	1,030,594	1,124,253	0.917	0.917	1,583,656	463,639	3.416	3.416
20	1,993,087	1,129,922	0.882	0.882	3,095,893	467,177	3.313	3.313
30	2,991,223	1,140,700	0.874	0.874	4,513,442	483,512	3.112	3.112
40	1,096,144	1,183,665	0.232	0.855	5,806,606	492,402	2.948	2.948
Average			0.784	0.873			3.161	3.161
			Calc	Reported			Calc	Reported
%RSD			31.63	5.39%			5.44	5.44%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: MS01 11
Level: Low
Tune File ID: TA\T2052.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: TA\T2053.D **Date:** 1/23/2006 **Page:** 536
Initial Calibration File ID: TA\T1950.D.D **Date:** 1/16/2006 **Page:** 503
Associated Samples: QC-4284, 0601094-001MS, 0601094-001MSD, 0601094-001, 0601094-001 DL, 0601094-002

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<25		>0.050		Carbon Tetrachloride	<25		>0.050	
1,1,2,2-Tetrachloroethane	<25		>0.300		Chlorobenzene	<25		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<25		>0.050		Chloroethane	<25		>0.050	
					Chloroform	<25		>0.050	
1,1,2-Trichloroethane	<25		>0.050		Chloromethane	<25		>0.100	
1,1-Dichloroethane	<25		>0.100		cis-1,2-Dichloroethene	<25		>0.050	
1,1-Dichloroeethene	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,2,4-Trichlorobenzene	<25		>0.050		Cyclohexane	<25		>0.050	
1,2-Dibromo-3-chloropropane	<25		>0.050		Dibromochloromethane	<25		>0.050	
1,2-Dibromoethane	<25		>0.050		Dichlorodifluoromethane	<25		>0.050	
1,2-Dichlorobenzene	<25		>0.050		Ethylbenzene	<25		>0.050	
1,2-Dichloroethane	<25		>0.050		Isopropylbenzene	<25		>0.050	
1,2-Dichloropropane	<25		>0.050		Methyl acetate	<25		>0.050	
1,3-Dichlorobenzene	<25		>0.050		Methyl tert-butyl ether	<25		>0.050	
1,4-dichlorobenzene	<25		>0.050		Methylcyclohexane	<25		>0.050	
2-Butanaone	<25		>0.050		Methylene Chloride	<25		>0.050	
2-Hexanone	<25		>0.050		Styrene	<25		>0.050	
4-Methyl-2-pentanone	<25		>0.050		Tetrachloroethene	<25		>0.050	
Acetone	<25		>0.050		Toluene	<25		>0.050	
Benzene	<25		>0.050		trans-1,2-Dichloroethene	<25		>0.050	
Bromodichloromethane	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Bromoform	<25		>0.100		Trichloroethene	<25		>0.050	
Bromomethane	<25	32%	>0.050		Trichlorofluoromethane	<25		>0.050	
Carbon Disulfide	<25		>0.050		Vinyl Chloride	<25		>0.050	
					Xylenes	<25		>0.050	

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	29%		>0.050	
toluene-d8	26%		>0.050	
4-bromofluorobenzene	28%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: No
TCL Compounds %D between 25% and 50% (J - qualify) Only if detected in a sample
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Chloromethane				1,1,2-Trichloroethene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
10	552,074	1,060,051	0.521	0.521	167,729	1,060,051	0.158	0.158
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.497	**Calc**	**Reported**		0.154	**Calc**	**Reported**
			4.79	4.80			2.74	2.6

Method Blank: MB-4284 Page: 584
No compounds were detected in this method blank

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: MS01 11
Level: Low
Tune File ID: TA\T2095.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: TA\T2096 **Date:** 1/24/2006 **Page:** 543
Initial Calibration File ID: TA\T1950.D.D **Date:** 1/16/2006 **Page:** 503
Associated Samples:

QC-4309, 0601100-001, 0601100-002, 0601100-003, 0601100-004, 0601100-005, 0601100-006, 0601121-005 0601121-002, 0601121-003, 0601121-004

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<25		>0.050		Carbon Tetrachloride	<25		>0.050	
1,1,2,2-Tetrachloroethane	<25		>0.300		Chlorobenzene	<25		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<25		>0.050		Chloroethane	<25		>0.050	
					Chloroform	<25		>0.050	
1,1,2-Trichloroethane	<25		>0.050		Chloromethane	<25		>0.100	
1,1-Dichloroethane	<25		>0.100		cis-1,2-Dichloroethene	<25		>0.050	
1,1-Dichloroeethene	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,2,4-Trichlorobenzene	<25		>0.050		Cyclohexane	<25		>0.050	
1,2-Dibromo-3-chloropropane	<25		>0.050		Dibromochloromethane	<25		>0.050	
1,2-Dibromoethane	<25		>0.050		Dichlorodifluoromethane	<25		>0.050	
1,2-Dichlorobenzene	<25		>0.050		Ethylbenzene	<25		>0.050	
1,2-Dichloroethane	<25		>0.050		Isopropylbenzene	<25		>0.050	
1,2-Dichloropropane	<25		>0.050		Methyl acetate	<25		>0.050	
1,3-Dichlorobenzene	<25		>0.050		Methyl tert-butyl ether	<25		>0.050	
1,4-dichlorobenzene	<25		>0.050		Methylcyclohexane	<25		>0.050	
2-Butanaone	<25		>0.050		Methylene Chloride	<25		>0.050	
2-Hexanone	<25		>0.050		Styrene	<25		>0.050	
4-Methyl-2-pentanone	<25		>0.050		Tetrachloroethene	<25		>0.050	
Acetone	<25		>0.050		Toluene	<25		>0.050	
Benzene	<25		>0.050		trans-1,2-Dichloroethene	<25		>0.050	
Bromodichloromethane	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Bromoform	<25		>0.100		Trichloroethene	<25		>0.050	
Bromomethane	<25		>0.050		Trichlorofluoromethane	<25		>0.050	
Carbon Disulfide	<25		>0.050		Vinyl Chloride	<25		>0.050	
					Xylenes	<25		>0.050	

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	29%		>0.050	
toluene-d8	26%		>0.050	
4-bromofluorobenzene	28%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 25% and 50% (J - qualify) N/A
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Trichloroethene				1,2-Dichlorobenzene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
10	317,563	1,230,296	0.258	0.258	719,668	490,830	1.466	1.466
% D		Avg RRF	% D	% D		Avg RRF	% D	% D
		0.252	Calc	Reported		1.412	Calc	Reported
			2.43	2.40			3.84	3.8

Method Blank: MB-4309 Page: 590
No compounds were detected in this method blank

SUMMARY OF THE ANALYTICAL DATA USABILITY
Gem Cleaners – Rockville Center, NY

Water Volatile Organic Analyses
Samples Collected March 2nd & 3rd, 2006
Samples Received March 4, 2006
Sample Delivery Group: 0603022
Laboratory Reference Numbers:

GEM-GWS-7 (28)	0603022-001
GEM-GWS-7 (43)	0603022-002
GEM-GWS-7 (17)	0603022-003
GEM-GWS-8 (24)	0603022-004
TB-030306	0603022-005

Water samples were validated for analyses of volatile organics by the US EPA Region II checklist. Data were reviewed for usability according to the following criteria:

* - Data Completeness
* - GC/MS Tuning
* - Holding Times
* - Calibrations
* - Laboratory Blanks
- Field Blank
- Trip Blanks
- Storage Blank
- Equipment Blank
* - System Monitoring Compound Recoveries
* - Internal Standard Recoveries
- Matrix Spike / Matrix Spike Duplicate
* - Blank Spike
* - Laboratory Control Sample
- Instrument Detection Limits
* - Compound Identification
- Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA USABILITY SUMMARY

The laboratory did not use the NYS DEC ASP FORM I for reporting the data.

Non-target spectra were included in the report along with a hand written summary, but the NYS DEC Non-Target FORM I was not included.

The instrument detection limits were analyzed approximately 7 months beyond the 6 month requirement.

Section J of Exhibit B of the NYSDEC ASP protocols states: The Laboratory shall perform and report semiannually verification of instrument detection limits and linear range by methods specified in Exhibit E for each instrument used under this Protocol.

The contamination in the trip blank should be noted.

No other significant problems were found with this sample delivery group, which would affect the usability of the data.

Holding Times

The laboratory's case narrative states:

> All samples had a pH of <2 except GEM-GWS-8 (24) [0603022-004], which was unpreserved.

All of the samples of this delivery group met the Region II technical holding time requirements:

- Unpreserved aqueous samples were analyzed within 7 days of collection.
- Preserved aqueous samples were analyzed within 14 days of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

System Monitoring Compound Recoveries

All system monitoring compound recoveries were within the required quality assurance limits .

Calibrations

No problems were detected with either the initial or continuing calibrations.

Matrix Spike / Matrix Spike Duplicate

A matrix spike was not analyzed with this sample delivery group.

Blank Spike

All blank spike recoveries were within the quality control limits.

All target compounds were included in the spiking solution.

Laboratory Control Sample

All LCS recoveries and RPDs were within the required quality control limits.

Method Blanks

No compounds were detected in any of the method blanks.

Trip Blanks

Methylene chloride (0.54J ug/l), chloroform (0.37J ug/l) bromodichloromethane (0.14J ug/l), dibromochloromethane (0.80 ug/l) and bromoform (1.88 ug/l) were detected in trip blank TB030306 (0603022-005).

Only methylene chloride and chloroform were detected in some of the samples at concentrations less than ten (methylene chloride) or five (chloroform) times the concentrations in the associated blank. The data for all of the blank contaminants were reported as "ND".

The other compounds were not detected in any of the samples,

Storage Blank

A storage blank was not analyzed with this sample delivery group.

Equipment Blanks

An equipment blank was not analyzed with this sample delivery group.

Internal Standard Areas and Retention Times

The recoveries and retention times of all internal standards were within the required 50% - 150% quality control limits.

Instrument Detection Limits

The instrument detection limits were analyzed approximately 7 months beyond the 6 month requirement.

Section J of Exhibit B of the NYSDEC ASP protocols states: The Laboratory shall perform and report semiannually verification of instrument detection limits and linear range by methods specified in Exhibit E for each instrument used under this Protocol.

Sample Results

No other problems were found with the reported results of any of the samples of this delivery group.

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.	**Lab ID:**	0603022-001A
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*GEM-GWS-7 (28)*
W Order:	0603022	**Collection Date:**	03/02/06 13:30
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:13 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2768.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	03/07/06 10:38
Chloromethane	ND		1.00	0.03	µg/L	1	03/07/06 10:38
Vinyl chloride	ND		1.00	0.03	µg/L	1	03/07/06 10:38
Bromomethane	ND		1.00	0.10	µg/L	1	03/07/06 10:38
Chloroethane	ND		1.00	0.08	µg/L	1	03/07/06 10:38
Trichlorofluoromethane	0.18	J	1.00	0.02	µg/L	1	03/07/06 10:38
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	03/07/06 10:38
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	03/07/06 10:38
Acetone	1.73	J	10.0	0.23	µg/L	1	03/07/06 10:38
Carbon disulfide	0.19	J	0.50	0.03	µg/L	1	03/07/06 10:38
Methyl acetate	ND		0.50	0.05	µg/L	1	03/07/06 10:38
Methylene chloride	ND		2.00	0.09	µg/L	1	03/07/06 10:38
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 10:38
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	03/07/06 10:38
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 10:38
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 10:38
2-Butanone	ND		10.0	0.68	µg/L	1	03/07/06 10:38
Chloroform T S	ND 0.36	J	0.50	0.02	µg/L	1	03/07/06 10:38
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 10:38
Cyclohexane	ND		0.50	0.02	µg/L	1	03/07/06 10:38
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	03/07/06 10:38
Benzene	ND		0.50	0.02	µg/L	1	03/07/06 10:38
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 10:38
Trichloroethene	ND		0.50	0.03	µg/L	1	03/07/06 10:38
Methylcyclohexane	ND		0.50	0.03	µg/L	1	03/07/06 10:38
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	03/07/06 10:38
Bromodichloromethane	ND		0.50	0.02	µg/L	1	03/07/06 10:38
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 10:38
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	03/07/06 10:38
Toluene	0.19	J	0.50	0.02	µg/L	1	03/07/06 10:38
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 10:38
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 10:38
Tetrachloroethene	0.60		0.50	0.05	µg/L	1	03/07/06 10:38
2-Hexanone	ND		5.00	0.36	µg/L	1	03/07/06 10:38

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

LSL **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.	**Lab ID:**	**0603022-001A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*GEM-GWS-7 (28)*
W Order:	0603022	**Collection Date:**	03/02/06 13:30
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:13 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2768.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	03/07/06 10:38
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	03/07/06 10:38
Chlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 10:38
Ethylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 10:38
Xylenes (total)	ND		1.00	0.04	µg/L	1	03/07/06 10:38
Styrene	ND		0.50	0.02	µg/L	1	03/07/06 10:38
Bromoform	ND		0.50	0.13	µg/L	1	03/07/06 10:38
Isopropylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 10:38
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	03/07/06 10:38
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 10:38
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	03/07/06 10:38
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	03/07/06 10:38
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	03/07/06 10:38
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	03/07/06 10:38
Surr: Dibromofluoromethane	102		75-127	0.05	%REC	1	03/07/06 10:38
Surr: 1,2-Dichloroethane-d4	104		75-134	0.04	%REC	1	03/07/06 10:38
Surr: Toluene-d8	107		75-125	0.02	%REC	1	03/07/06 10:38
Surr: 4-Bromofluorobenzene	105		75-125	0.07	%REC	1	03/07/06 10:38

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: JK Date Acquired: 7 Mar 2006 10:38
Data File: C:\HPCHEM\1\DATA\T2768.D
Name: 0603022-001A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T228NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~1-Butene~~	3.49	3.8	ug/L	1228700	ISTD01	9.97	3243020	10.0

T2768.D T228NTCL.M Tue Mar 21 10:41:42 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1 for results in ppb.

1 Unknown	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	29
10	20	30

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0603022-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*GEM-GWS-7 (43)*
W Order:	0603022	**Collection Date:**	03/02/06 14:20
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:14 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2769.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	03/07/06 11:10
Chloromethane	ND		1.00	0.03	µg/L	1	03/07/06 11:10
Vinyl chloride	ND		1.00	0.03	µg/L	1	03/07/06 11:10
Bromomethane	ND		1.00	0.10	µg/L	1	03/07/06 11:10
Chloroethane	ND		1.00	0.08	µg/L	1	03/07/06 11:10
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	03/07/06 11:10
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	03/07/06 11:10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	03/07/06 11:10
Acetone T B	ND 3.64	J	10.0	0.23	µg/L	1	03/07/06 11:10
Carbon disulfide	1.02		0.50	0.03	µg/L	1	03/07/06 11:10
Methyl acetate	ND		0.50	0.05	µg/L	1	03/07/06 11:10
Methylene chloride	0.21	J	2.00	0.09	µg/L	1	03/07/06 11:10
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 11:10
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	03/07/06 11:10
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 11:10
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 11:10
2-Butanone	1.02	J	10.0	0.68	µg/L	1	03/07/06 11:10
Chloroform	ND		0.50	0.02	µg/L	1	03/07/06 11:10
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 11:10
Cyclohexane	ND		0.50	0.02	µg/L	1	03/07/06 11:10
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	03/07/06 11:10
Benzene	0.18	J	0.50	0.02	µg/L	1	03/07/06 11:10
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 11:10
Trichloroethene	ND		0.50	0.03	µg/L	1	03/07/06 11:10
Methylcyclohexane	ND		0.50	0.03	µg/L	1	03/07/06 11:10
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	03/07/06 11:10
Bromodichloromethane	ND		0.50	0.02	µg/L	1	03/07/06 11:10
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 11:10
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	03/07/06 11:10
Toluene	0.30	J	0.50	0.02	µg/L	1	03/07/06 11:10
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 11:10
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 11:10
Tetrachloroethene	0.52		0.50	0.05	µg/L	1	03/07/06 11:10
2-Hexanone	ND		5.00	0.36	µg/L	1	03/07/06 11:10

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0603022-002A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*GEM-GWS-7 (43)*
W Order:	0603022	**Collection Date:**	03/02/06 14:20
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:14 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2769.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	03/07/06 11:10
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	03/07/06 11:10
Chlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 11:10
Ethylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 11:10
Xylenes (total)	ND		1.00	0.04	µg/L	1	03/07/06 11:10
Styrene	ND		0.50	0.02	µg/L	1	03/07/06 11:10
Bromoform	ND		0.50	0.13	µg/L	1	03/07/06 11:10
Isopropylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 11:10
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	03/07/06 11:10
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 11:10
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	03/07/06 11:10
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	03/07/06 11:10
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	03/07/06 11:10
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	03/07/06 11:10
Surr: Dibromofluoromethane	103		75-127	0.05	%REC	1	03/07/06 11:10
Surr: 1,2-Dichloroethane-d4	104		75-134	0.04	%REC	1	03/07/06 11:10
Surr: Toluene-d8	108		75-125	0.02	%REC	1	03/07/06 11:10
Surr: 4-Bromofluorobenzene	105		75-125	0.07	%REC	1	03/07/06 11:10

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: JK Date Acquired: 7 Mar 2006 11:10
Data File: C:\HPCHEM\1\DATA\T2769.D
Name: 0603022-002A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T228NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

	TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
1	Isobutane	3.28	1.6	ug/L	607713	ISTD01	9.97	3687220	10.0
2	1-Propene, 2-methyl-	3.50	23.0	ug/L	8471890	ISTD01	9.97	3687220	10.0
3	1-Propene, 2-methyl-	3.63	2.3	ug/L	857167	ISTD01	9.97	3687220	10.0
4	1-Butene	3.79	2.6	ug/L	970776	ISTD01	9.97	3687220	10.0
5	Butane, 2-methyl-	4.30	2.7	ug/L	1009610	ISTD01	9.97	3687220	10.0
6	Cyclopropane, ethyl-	4.65	5.0	ug/L	1830110	ISTD01	9.97	3687220	10.0
7	Pentane	4.68	2.7	ug/L	998625	ISTD01	9.97	3687220	10.0
8	1-Butene, 2-methyl-	4.78	1.8	ug/L	658823	ISTD01	9.97	3687220	10.0
9	2-Pentene, (Z)-	5.10	1.8	ug/L	680034	ISTD01	9.97	3687220	10.0
10	1-Pentene, 2-methyl-	6.79	2.0	ug/L	748770	ISTD01	9.97	3687220	10.0

T2769.D T228NTCL.M Tue Mar 21 10:41:48 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1 for results in ppb.

1	✓	11		21	
2	unknown	12		22	
3	unknown C_4H_8	13		23	
4	unknown C_4H_8	14		24	
5	✓	15		25	
6	unknown C_5H_{10}	16		26	
7	unknown	17		27	
8	unknown C_5H_{10}	18		28	
9	unknown C_5H_{10}	19		29	
10	unknown C_6H_{12}	20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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Analytical Results

StateCertNo: 10155

CLIENT	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0603022-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-7 (17)***
W Order:	0603022	**Collection Date:**	03/02/06 15:00
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:15 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2770.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	03/07/06 11:42
Chloromethane	ND		1.00	0.03	µg/L	1	03/07/06 11:42
Vinyl chloride	ND		1.00	0.03	µg/L	1	03/07/06 11:42
Bromomethane	ND		1.00	0.10	µg/L	1	03/07/06 11:42
Chloroethane	ND		1.00	0.08	µg/L	1	03/07/06 11:42
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	03/07/06 11:42
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	03/07/06 11:42
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	03/07/06 11:42
Acetone	2.54	J	10.0	0.23	µg/L	1	03/07/06 11:42
Carbon disulfide	0.55		0.50	0.03	µg/L	1	03/07/06 11:42
Methyl acetate	ND		0.50	0.05	µg/L	1	03/07/06 11:42
Methylene chloride TS	ND 0.12	J	2.00	0.09	µg/L	1	03/07/06 11:42
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 11:42
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	03/07/06 11:42
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 11:42
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 11:42
2-Butanone	ND		10.0	0.68	µg/L	1	03/07/06 11:42
Chloroform TS	ND 0.76		0.50	0.02	µg/L	1	03/07/06 11:42
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 11:42
Cyclohexane	ND		0.50	0.02	µg/L	1	03/07/06 11:42
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	03/07/06 11:42
Benzene	0.18	J	0.50	0.02	µg/L	1	03/07/06 11:42
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 11:42
Trichloroethene	ND		0.50	0.03	µg/L	1	03/07/06 11:42
Methylcyclohexane	ND		0.50	0.03	µg/L	1	03/07/06 11:42
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	03/07/06 11:42
Bromodichloromethane	ND		0.50	0.02	µg/L	1	03/07/06 11:42
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 11:42
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	03/07/06 11:42
Toluene	0.28	J	0.50	0.02	µg/L	1	03/07/06 11:42
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 11:42
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 11:42
Tetrachloroethene	0.42	J	0.50	0.05	µg/L	1	03/07/06 11:42
2-Hexanone	ND		5.00	0.36	µg/L	1	03/07/06 11:42

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT	O'Brien & Gere Engineers, Inc.	**Lab ID:**	**0603022-003A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	*GEM-GWS-7 (17)*
W Order:	0603022	**Collection Date:**	03/02/06 15:00
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:15 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2770.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	03/07/06 11:42
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	03/07/06 11:42
Chlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 11:42
Ethylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 11:42
Xylenes (total)	ND		1.00	0.04	µg/L	1	03/07/06 11:42
Styrene	ND		0.50	0.02	µg/L	1	03/07/06 11:42
Bromoform	ND		0.50	0.13	µg/L	1	03/07/06 11:42
Isopropylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 11:42
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	03/07/06 11:42
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 11:42
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	03/07/06 11:42
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	03/07/06 11:42
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	03/07/06 11:42
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	03/07/06 11:42
Surr: Dibromofluoromethane	103		75-127	0.05	%REC	1	03/07/06 11:42
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	03/07/06 11:42
Surr: Toluene-d8	108		75-125	0.02	%REC	1	03/07/06 11:42
Surr: 4-Bromofluorobenzene	103		75-125	0.07	%REC	1	03/07/06 11:42

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: JK Date Acquired: 7 Mar 2006 11:42
Data File: C:\HPCHEM\1\DATA\T2770.D
Name: 0603022-003A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T228NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

	TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
1	~~1-Butene~~	3.49	11.9	ug/L	4033500	ISTD01	9.97	3385880	10.0
2	1-Butene	3.62	1.1	ug/L	363538	ISTD01	9.97	3385880	10.0
3	~~1-Propene, 2-methyl-~~	3.79	1.3	ug/L	449117	ISTD01	9.97	3385880	10.0
4	Butane, 2-methyl-	4.29	1.1	ug/L	379353	ISTD01	9.97	3385880	10.0
5	1-Pentene	4.64	2.7	ug/L	917936	ISTD01	9.97	3385880	10.0
6	~~Pentane~~	4.68	1.4	ug/L	482585	ISTD01	9.97	3385880	10.0
7	~~2-Butene, 2-methyl-~~	4.77	1.1	ug/L	373503	ISTD01	9.97	3385880	10.0
8	~~1-Hexene~~	6.78	1.3	ug/L	446622	ISTD01	9.97	3385880	10.0

T2770.D T228NTCL.M Tue Mar 21 10:41:54 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1 for results in ppb.

1	unknown C4H8	11		21	
2	unknown C4H8	12		22	
3	unknown C4H8	13		23	
4	✓	14		24	
5	unknown C5H10	15		25	
6	unknown	16		26	
7	unknown C5H10	17		27	
8	unknown C6H12	18		28	
9		19		29	
10		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0603022-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-8 (24)***
W Order:	0603022	**Collection Date:**	03/03/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:16 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2771.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	03/07/06 12:14
Chloromethane	ND		1.00	0.03	µg/L	1	03/07/06 12:14
Vinyl chloride	ND		1.00	0.03	µg/L	1	03/07/06 12:14
Bromomethane	ND		1.00	0.10	µg/L	1	03/07/06 12:14
Chloroethane	ND		1.00	0.08	µg/L	1	03/07/06 12:14
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	03/07/06 12:14
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	03/07/06 12:14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	03/07/06 12:14
Acetone	1.01	J	10.0	0.23	µg/L	1	03/07/06 12:14
Carbon disulfide	ND		0.50	0.03	µg/L	1	03/07/06 12:14
Methyl acetate	ND		0.50	0.05	µg/L	1	03/07/06 12:14
Methylene chloride	ND		2.00	0.09	µg/L	1	03/07/06 12:14
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 12:14
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	03/07/06 12:14
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 12:14
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 12:14
2-Butanone	ND		10.0	0.68	µg/L	1	03/07/06 12:14
Chloroform T-5	MD1.48		0.50	0.02	µg/L	1	03/07/06 12:14
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 12:14
Cyclohexane	ND		0.50	0.02	µg/L	1	03/07/06 12:14
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	03/07/06 12:14
Benzene	ND		0.50	0.02	µg/L	1	03/07/06 12:14
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 12:14
Trichloroethene	ND		0.50	0.03	µg/L	1	03/07/06 12:14
Methylcyclohexane	ND		0.50	0.03	µg/L	1	03/07/06 12:14
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	03/07/06 12:14
Bromodichloromethane	ND		0.50	0.02	µg/L	1	03/07/06 12:14
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 12:14
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	03/07/06 12:14
Toluene	0.27	J	0.50	0.02	µg/L	1	03/07/06 12:14
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 12:14
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 12:14
Tetrachloroethene	0.94		0.50	0.05	µg/L	1	03/07/06 12:14
2-Hexanone	ND		5.00	0.36	µg/L	1	03/07/06 12:14

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

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.	**Lab ID:**	**0603022-004A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***GEM-GWS-8 (24)***
W Order:	0603022	**Collection Date:**	03/03/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:16 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2771.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	ND		0.50	0.02	µg/L	1	03/07/06 12:14
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	03/07/06 12:14
Chlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 12:14
Ethylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 12:14
Xylenes (total)	ND		1.00	0.04	µg/L	1	03/07/06 12:14
Styrene	ND		0.50	0.02	µg/L	1	03/07/06 12:14
Bromoform	ND		0.50	0.13	µg/L	1	03/07/06 12:14
Isopropylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 12:14
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	03/07/06 12:14
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 12:14
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	03/07/06 12:14
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	03/07/06 12:14
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	03/07/06 12:14
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	03/07/06 12:14
Surr: Dibromofluoromethane	93.0		75-127	0.05	%REC	1	03/07/06 12:14
Surr: 1,2-Dichloroethane-d4	106		75-134	0.04	%REC	1	03/07/06 12:14
Surr: Toluene-d8	108		75-125	0.02	%REC	1	03/07/06 12:14
Surr: 4-Bromofluorobenzene	105		75-125	0.07	%REC	1	03/07/06 12:14

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: JK Date Acquired: 7 Mar 2006 12:14
Data File: C:\HPCHEM\1\DATA\T2771.D
Name: 0603022-004A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T228NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
~~1-Propene, 2-methyl-~~	3.49	4.2	ug/L	1384930	ISTD01	9.97	3336930	10.0

T2771.D T228NTCL.M Tue Mar 21 10:41:57 2006 MS1

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by 1 for results in ppb.

1	UnKnown C4H8	11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
0		20		30	

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

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.	**Lab ID:**	**0603022-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-030306***
W Order:	0603022	**Collection Date:**	03/02/06 0:00
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:17 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2772.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	03/07/06 12:46
Chloromethane	ND		1.00	0.03	µg/L	1	03/07/06 12:46
Vinyl chloride	ND		1.00	0.03	µg/L	1	03/07/06 12:46
Bromomethane	ND		1.00	0.10	µg/L	1	03/07/06 12:46
Chloroethane	ND		1.00	0.08	µg/L	1	03/07/06 12:46
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	03/07/06 12:46
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	03/07/06 12:46
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	03/07/06 12:46
Acetone	ND		10.0	0.23	µg/L	1	03/07/06 12:46
Carbon disulfide	ND		0.50	0.03	µg/L	1	03/07/06 12:46
Methyl acetate	ND		0.50	0.05	µg/L	1	03/07/06 12:46
Methylene chloride	0.54	J	2.00	0.09	µg/L	1	03/07/06 12:46
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 12:46
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	03/07/06 12:46
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 12:46
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	03/07/06 12:46
2-Butanone	ND		10.0	0.68	µg/L	1	03/07/06 12:46
Chloroform	0.37	J	0.50	0.02	µg/L	1	03/07/06 12:46
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 12:46
Cyclohexane	ND		0.50	0.02	µg/L	1	03/07/06 12:46
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	03/07/06 12:46
Benzene	ND		0.50	0.02	µg/L	1	03/07/06 12:46
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	03/07/06 12:46
Trichloroethene	ND		0.50	0.03	µg/L	1	03/07/06 12:46
Methylcyclohexane	ND		0.50	0.03	µg/L	1	03/07/06 12:46
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	03/07/06 12:46
Bromodichloromethane	0.14	J	0.50	0.02	µg/L	1	03/07/06 12:46
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 12:46
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	03/07/06 12:46
Toluene	ND		0.50	0.02	µg/L	1	03/07/06 12:46
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	03/07/06 12:46
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	03/07/06 12:46
Tetrachloroethene	ND		0.50	0.05	µg/L	1	03/07/06 12:46
2-Hexanone	ND		5.00	0.36	µg/L	1	03/07/06 12:46

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

LSL **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.	**Lab ID:**	**0603022-005A**
Project:	GEM CLEANERS-Rockville Center, NY	**Client Sample ID:**	***TB-030306***
W Order:	0603022	**Collection Date:**	03/02/06 0:00
Matrix:	GROUNDWATER	**Date Received:**	03/04/06 8:57
Inst. ID:	MS01 11 **Sample Size:** 10 mL	**PrepDate:**	
ColumnID:	Rtx-VMS **%Moisture:**	**BatchNo:**	R4731
Revision:	03/21/06 10:26:17 A **TestCode:** 8260W OLM42	**FileID:**	1-SAMP-T2772.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
Dibromochloromethane	0.80		0.50	0.02	µg/L	1	03/07/06 12:46
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	03/07/06 12:46
Chlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 12:46
Ethylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 12:46
Xylenes (total)	ND		1.00	0.04	µg/L	1	03/07/06 12:46
Styrene	ND		0.50	0.02	µg/L	1	03/07/06 12:46
Bromoform	1.88		0.50	0.13	µg/L	1	03/07/06 12:46
Isopropylbenzene	ND		0.50	0.02	µg/L	1	03/07/06 12:46
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	03/07/06 12:46
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	03/07/06 12:46
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	03/07/06 12:46
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	03/07/06 12:46
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	03/07/06 12:46
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	03/07/06 12:46
Surr: Dibromofluoromethane	104		75-127	0.05	%REC	1	03/07/06 12:46
Surr: 1,2-Dichloroethane-d4	107		75-134	0.04	%REC	1	03/07/06 12:46
Surr: Toluene-d8	107		75-125	0.02	%REC	1	03/07/06 12:46
Surr: 4-Bromofluorobenzene	103		75-125	0.07	%REC	1	03/07/06 12:46

Qualifiers:

- 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

Print Date: 04/04/06 14:26 **Project Supervisor:** Thomas A. Alexander

Tentatively Identified Compound (LSC) summary

Operator ID: JK Date Acquired: 7 Mar 2006 12:46
Data File: C:\HPCHEM\1\DATA\T2772.D
Name: 0603022-005A
Misc: SAMP,8260W_OLM42,
Method: C:\HPCHEM\1\METHODS\T228NTCL.M (RTE Integrator)
Title: VOC's w/Restek Rtx-VMS, 0.18 mm x 40 m, 1.0 df
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
T2772.D T228NTCL.M	Tue Mar 21 10:41:58 2006				MS1			

Below are tentative identifications of the non-target compounds above; they are based on comparison of unknown and library spectra. Concentrations (EstConc) were multiplied by ___/___ for results in ppb.

1	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	29
0	20	30

Unk=Unknown, Ald=Aldol Condensation Product, Solv=Solvent peak, HC=Hydrocarbon, PAH=Polynuclear Aromatic Hydrocarbon

SUMMARY OF THE ANALYTICAL DATA USABILITY
Gem Cleaners – Rockville Center, NY

Water Volatile Organic Analyses
Samples Collected March 2nd & 3rd, 2006
Samples Received March 4, 2006
Sample Delivery Group: 0603022
Laboratory Reference Numbers:

GEM-GWS-7 (28)	0603022-001
GEM-GWS-7 (43)	0603022-002
GEM-GWS-7 (17)	0603022-003
GEM-GWS-8 (24)	0603022-004
TB-030306	0603022-005

VOLATILE ORGANICS
INITIAL CALIBRATION

Instrument ID: MS01 11
Level: Low
Tune File ID: TA\T2666.D **Acceptable:** Yes **Time Requirements Met:** Yes
Initial Calibration File ID: TA\T2667.D **Date:** 2/28/2006 **Page:** 132
Associated Samples: QC-4731, 0603022-001, 0603022-002, 0603022-003, 0603022-004, 0603022-005

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<30		>0.050		Carbon Tetrachloride	<30		>0.050	
1,1,2,2-Tetrachloroethane	<30		>0.300		Chlorobenzene	<30		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<30		>0.050		Chloroethane	<30		>0.050	
					Chloroform	<30		>0.050	
1,1,2-Trichloroethane	<30		>0.050		Chloromethane	<30		>0.100	
1,1-Dichloroethane	<30		>0.100		cis-1,2-Dichloroethene	<30		>0.050	
1,1-Dichloroeethene	<30		>0.050		cis-1,3-Dichloropropene	<30		>0.050	
1,2,4-Trichlorobenzene	<30		>0.050		Cyclohexane	<30		>0.050	
1,2-Dibromo-3-chloropropane	<30		>0.050		Dibromochloromethane	<30		>0.050	
1,2-Dibromoethane	<30		>0.050		Dichlorodifluoromethane	<30		>0.050	
1,2-Dichlorobenzene	<30		>0.050		Ethylbenzene	<30		>0.050	
1,2-Dichloroethane	<30		>0.050		Isopropylbenzene	<30		>0.050	
1,2-Dichloropropane	<30		>0.050		Methyl acetate	<30		>0.050	
1,3-Dichlorobenzene	<30		>0.050		Methyl tert-butyl ether	<30		>0.050	
1,4-dichlorobenzene	<30		>0.050		Methylcyclohexane	<30		>0.050	
2-Butanaone	<30		>0.050		Methylene Chloride	<30		>0.050	
2-Hexanone	<30		>0.050		Styrene	<30		>0.050	
4-Methyl-2-pentanone	<30		>0.050		Tetrachloroethene	<30		>0.050	
Acetone	<30		>0.050		Toluene	<30		>0.050	
Benzene	<30		>0.050		trans-1,2-Dichloroethene	<30		>0.050	
Bromodichloromethane	<30		>0.050		trans-1,3-Dichloropropene	<30		>0.050	
Bromoform	<30		>0.100		Trichloroethene	<30		>0.050	
Bromomethane	<30		>0.050		Trichlorofluoromethane	<30		>0.050	
Carbon Disulfide	<30		>0.050		Vinyl Chloride	<30		>0.050	
					Xylenes	<30		>0.050	

	QC %RSD	STD %RSD	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	<30%		>0.050	
toluene-d8	<30%		>0.050	
4-bromofluorobenzene	<30%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 30% and 60% (J - qualify) N/A
TCL Compounds %D between 60% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Trichlorofluoromethane				Tetrachloroethene			
	Area x	Area IS	calc rrf	Rprtd rrf	Area x	Area IS	calc rrf	Rprtd rrf
PPB								
0.3	17,971	1,237,471	0.484	0.484	9,415	562,372	0.558	0.558
0.5	28,722	1,177,633	0.488	0.488	13,694	536,198	0.511	0.511
2	117,571	1,226,326	0.479	0.479	65,172	583,681	0.558	0.558
10	654,797	1,278,251	0.512	0.512	369,644	627,727	0.589	0.589
20	1,282,111	1,295,696	0.495	0.495	738,710	643,964	0.574	0.574
30	2,132,228	1,456,469	0.488	0.488	1,248,226	705,067	0.590	0.590
40	2,894,431	1,505,795	0.481	0.481	1,701,092	713,273	0.596	0.596
Average			0.490	0.490			0.568	0.568
			Calc	Reported			Calc	Reported
%RSD			2.30	2.30%			5.19	5.19%

VOLATILE ORGANICS
CONTINUING CALIBRATION

Instrument ID: MS01 11
Level: Low
Tune File ID: TA\T2666.D **Acceptable:** Yes **Time Requirements Met:** Yes
Calibration File ID: TA\T2762.D **Date:** 3/7/2006 **Page:** 182
Initial Calibration File ID: TA\T2763.D **Date:** 2/28/2006 **Page:** 132
Associated Samples: QC-4731, 0603022-001, 0603022-002, 0603022-003, 0603022-004, 0603022-005

COMPOUND LIST

	QC %RSD	STD %RSD	QC RRF	STD RRF		QC %RSD	STD %RSD	QC RRF	STD RRF
1,1,1-Trichloroethane	<25		>0.050		Carbon Tetrachloride	<25		>0.050	
1,1,2,2-Tetrachloroethane	<25		>0.300		Chlorobenzene	<25		>0.300	
1,1,2-Trichloro-1,2,2-trifluoroethane	<25		>0.050		Chloroethane	<25		>0.050	
					Chloroform	<25		>0.050	
1,1,2-Trichloroethane	<25		>0.050		Chloromethane	<25		>0.100	
1,1-Dichloroethane	<25		>0.100		cis-1,2-Dichloroethene	<25		>0.050	
1,1-Dichloroeethene	<25		>0.050		cis-1,3-Dichloropropene	<25		>0.050	
1,2,4-Trichlorobenzene	<25		>0.050		Cyclohexane	<25		>0.050	
1,2-Dibromo-3-chloropropane	<25		>0.050		Dibromochloromethane	<25		>0.050	
1,2-Dibromoethane	<25		>0.050		Dichlorodifluoromethane	<25		>0.050	
1,2-Dichlorobenzene	<25		>0.050		Ethylbenzene	<25		>0.050	
1,2-Dichloroethane	<25		>0.050		Isopropylbenzene	<25		>0.050	
1,2-Dichloropropane	<25		>0.050		Methyl acetate	<25		>0.050	
1,3-Dichlorobenzene	<25		>0.050		Methyl tert-butyl ether	<25		>0.050	
1,4-dichlorobenzene	<25		>0.050		Methylcyclohexane	<25		>0.050	
2-Butanaone	<25		>0.050		Methylene Chloride	<25		>0.050	
2-Hexanone	<25		>0.050		Styrene	<25		>0.050	
4-Methyl-2-pentanone	<25		>0.050		Tetrachloroethene	<25		>0.050	
Acetone	<25		>0.050		Toluene	<25		>0.050	
Benzene	<25		>0.050		trans-1,2-Dichloroethene	<25		>0.050	
Bromodichloromethane	<25		>0.050		trans-1,3-Dichloropropene	<25		>0.050	
Bromoform	<25		>0.100		Trichloroethene	<25		>0.050	
Bromomethane	<25		>0.050		Trichlorofluoromethane	<25		>0.050	
Carbon Disulfide	<25		>0.050		Vinyl Chloride	<25		>0.050	
					Xylenes	<25		>0.050	

	QC %D	STD %D	QC RRF	STD RRF
Surrogates:				
1,2-Dichloroethane-d4	29%		>0.050	
toluene-d8	26%		>0.050	
4-bromofluorobenzene	28%		>0.050	

All TCL Compounds Average RRF > 0.050: Yes

All TCL Compounds %D < QC Limit: Yes
TCL Compounds %D between 25% and 50% (J - qualify) N/A
TCL Compounds %D between 50% and 90% (J - qualify) N/A
TCL Compounds %D > 90% (R - reject undetected / J - detected) N/A

CALIBRATION VERIFICATION:

Compound	Chloroform				Chlorobenzene			
	Area x	**Area IS**	**calc rrf**	**Rprtd rrf**	**Area x**	**Area IS**	**calc rrf**	**Rprtd rrf**
PPB								
10	697,971	1,498,578	0.466	0.466	1,097,813	716,931	1.531	1.531
% D		**Avg RRF**	**% D**	**% D**		**Avg RRF**	**% D**	**% D**
		0.498	**Calc**	**Reported**		1.623	**Calc**	**Reported**
			-6.47	6.40			-5.65	5.7

Method Blank: MB-4436 Page: 602
No compounds were detected in this method blank.

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

Project: GEM

Sampled by: Dan Simpson

Client Contact: Marc Dent Phone # (315) 437-6100

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: VOC	Analysis/Method: SVOC (Lab Points & Solids)	Comments
GEM-SB-1 (S-7)	1/17/06	1200	SO	G	2	1	1	
GEM-GWS-1 (29)	1/17/06	1300	GW	G	5	3	2	
GEM-GWS-1 (29) MS	1/17/06	1300	GW	G	5	3	2	
GEM-GWS-1 (29) MSD	1/17/06	1300	GW	G	5	3	2	
TB-1	12/6/05	—	—	G	2	1		

Relinquished by:		Date:	Time:	Received by:	Date:	Time:
Relinquished by:		Date: 1/17/06	Time:	Received by:	Date: 1/17/06	Time: 1400
Relinquished by: [redacted]		Date: 1/17/06	Time: 1645	Received by Lab:	Date: 1.18.06	Time: 1645
Shipment Method:				Airbill Number:		

Turnaround Time Required:
Routine ✓
Rush (Specify)

Comments:

Cooler Temperature: 7° Concur

Original - Laboratory
Copy - Client

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
Project: GEM
Sampled by: Dan Simpson
Client Contact: Marc Dent Phone # (315) 437-6100

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: VOC							Comments
GEM-SB-2 (S-10)	1/17/06	1700	SO	G	2	2							
GEM-GWS-2 (29)	1/18/06	0800	GW	G	3	3							
GEM-GWS-3 (29)	1/18/06	1230	GW	G	3	3							
GEM-GWS-4 (20)	1/18/06	1330	GW	G	3	3							
GEM-GWS-4 (34)	1/18/06	1430	GW	G	3	3							
GEM-GWS-4 (49)	1/18/06	1510	GW	G	3	3							
GEM-SB-3 (S-10)	1/18/06	1500	SO	G	2	2							
GEM-SB-3 (S-8)	1/18/06	1500	SO	G	2	2							
TB-2	1/16/06	—	—	G	2	2							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by: Daniel Simpson	Date: 1/19/06	Time: 1700	Received by Lab:	Date:	Time:
Shipment Method: FedEx			Airbill Number:		

Turnaround Time Required:
Routine ✓
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original - Laboratory
Copy - Client

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

Project: GEM

Sampled by: Dan Simpson

Client Contact: Marc Dent Phone # (315) 437-6100

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: VOC	Comments
GEM SB-4 (S-7)		1100					
GEM-MW-2		0930					
GEM-MW-1A		1030					
GEM-MW-2 (MS)		1200					
GEM-MW-2 (MSD)		1200					
X-3		1200					
FB-3		—	—				
X-1	1/19/06	1430	SO	G	2	2	
GEM-SB-5 (S-8)	1/19/06	1430	SO	G	2	2	
GEM-GWS-5 (39)	1/19/06	1500	GW	G	3	3	
X-2	1/19/06	1500	GW	G	3	3	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by: David Sykes	Date: 1/20/06	Time: 1500	Received by Lab:	Date:	Time:
Shipment Method: FedEx			Airbill Number: 8564 0494 4391		

Turnaround Time Required:
Routine ✓
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original - Laboratory
Copy - Client

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
Project: GEM
Sampled by: Dan Simpson
Client Contact: Marc Dent Phone # (315) 437-6100

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: VOC							Comments
GEM-GWS-6 (21)	1/20/06	0830	GW	G	3	3							
GEM-GWS-6 (37)	1/20/06	0900	GW	G	3	3							
GEM-GWS-6 (44)	1/20/06	1000	GW	G	3	3							
TB-4	12/6/05	—	—	G	2	2							
DW-1	1/20/06	1030	SO	G	2	2							
X-4	1/20/06	1030	SO	G	2	2							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by: David Singer	Date: 1/20/06	Time: 1500	Received by Lab:	Date:	Time:
Shipment Method: FedEx			Airbill Number: 8864 0494 4391		

Turnaround Time Required:
Routine ✓
Rush (Specify)

Comments:

Cooler Temperature:

Original - Laboratory
Copy - Client

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
Project: GEM
Sampled by: Dan Simpson
Client Contact: Marc Dent Phone #

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: VOC	Ignitability	Corrosivity	Reactivity				Comments
WD-1	1/30/06	1200	GW	C	4	3	X	X	X				VOC unpreserved
GEM-3B-6 (5-5)	1/30/06	1400	SO	G	2	2							
TB-4	12/6/05	-	-	G	2	2							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by: [signature]	Date: 1/31/06	Time: 1600	Received by Lab:	Date:	Time:
Shipment Method: Fed EX			Airbill Number:		

Turnaround Time Required:
Routine ✓
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.
Brittonfield Lab

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East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: O'Brien + Gere
Project: GEM
Sampled by: Dan Simpson
Client Contact: Marc Dent Phone # (315) 437 6100

Sample Description						Analysis/Method							
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	VOC	VOC TCLP	SVOC TCLP					Comments
GEM-GWS-7 (28)	3/2/06	1330	GW	G	3	3							
GEM-GWS-7 (43)	3/2/06	1420	GW	G	3	3							
GEM-GWS-7 (17)	3/2/06	1500	GW	G	3	3							
GEM-SB-7 (5-10)	3/3/06	0800	SO	G	2	2							
GEM-WD-1	3/3/06	1000	GW	C	5		3	2					No HCL
GEM-GWS-8 (24)	3/3/06	1200	GW	G	3	3							No HCL
GEM-SB-8 (5-6)	3/3/06	1200	SO	G	2	2							
GEM-SB-8-MS (5-6)	3/3/06	1200	SO	G	2	2							
GEM-SB-8-MSD (5-6)	3/3/06	1200	SO	G	2	2							
TB-030306	3/3/06	—	—	G	2	2							

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by: Dawn Lyon	Date: 3/3/06	Time: 1700	Received by Lab:	Date:	Time:
Shipment Method: FedEx			Airbill Number:		

Turnaround Time Required:
Routine ✓
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original - Laboratory
Copy - Client