

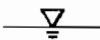
# **ANNUAL PROGRESS REPORT**

## ***PAS OSWEGO SUPERFUND SITE OSWEGO, NEW YORK***

*July 2006*

*Submitted By:*

*de maximis, inc.  
2975 Bee Ridge Road  
Suite C  
Sarasota, FL  
(941) 926-7929*

  
*de maximis, inc.*



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July 10, 2006

Ms. Patricia Pierre  
c/o Mr. Joel Singerman  
Central New York Remedial Section  
New York Remediation Branch  
Emergency and Remedial Response Division  
U.S. Environmental Protection Agency, Region II  
20<sup>th</sup> Floor, 290 Broadway  
New York, New York 10007

*Subject: Annual Progress Report for July 2005 through June 2006  
Operations, Maintenance and Long Term-Monitoring Activities  
Pollution Abatement Services (PAS) Site, Oswego, NY*

Dear Ms. Pierre:

The July 2006 Annual Progress Report (Annual Report), which is submitted under *Consent Decree 98-CV0112NPMGJD* for operation, maintenance, and long-term monitoring activities at the PAS Site (Site) in Oswego, New York (Consent Decree), is attached. This Annual Report covers the period July 1, 2005 through June 30, 2006, and conforms to the requirements of Paragraph 30 of the Consent Decree, which was entered on August 10, 1998 and the July 2, 2003 letter from the U.S. Environmental Protection Agency (USEPA), which provides for progress reports to be submitted annually by July 10<sup>th</sup> of each year. As such, our next annual progress report will be submitted on or before July 10, 2007 and will document work completed between the period July 1, 2006 and June 30, 2007 in a format consistent with this Annual Report.

The routine elevation monitoring conducted during this reporting period indicates continued hydraulic control of the slurry wall containment system. (See the SWW-series groundwater elevations shown in Attachment I-A.) This observation remains consistent with observations reported in the July 2005 Annual Report and USEPA's December 2003 Five-Year Review Report, which concluded that the leachate removal operations have maintained hydraulic control within the containment system.

Semi-annual groundwater quality monitoring results during this reporting period indicate that VOC-concentrations at all down-gradient monitoring wells, other than wells LR-8 and M-21, are below performance standards. Monitoring results at LR-8, the long-term monitoring well located closest to the slurry wall, remained low but exceeded benzene and chlorobenzene performance standards during this reporting period. LR-8 continues to fluctuate at low levels and remained consistent with the long-term trend of declining VOC concentrations at this location. Monitoring results for down-gradient well M-21, which is located south of Mitchell Street and north of the slurry wall containment system, only exceeded the benzene performance standard in November 2005, and has generally shown continued reduction of VOCs to levels at or near detection.

Monitoring results for well M-25, which is located immediately to the north of Mitchell Street, has been below performance standards for the past six years. M-26, further north, has never had a detection reported since it was installed in 1994. The long-term groundwater quality monitoring results and trends for wells LR-8, M-21 and M-25 are presented graphically in Attachments I-B and I-C. These long-term monitoring results continue to support the findings that hydraulic control of the containment system has allowed VOC concentrations down-gradient of the slurry wall containment system to decline through natural attenuation, and that the site remedies continue to be protective of human health and the environment. (Graphs showing leachate concentrations at LCW-2 and LCW-4 during the period 1996 to May 2006 are also included in Attachment I-B.)

In addition to routine monitoring conducted at the long-term monitoring wells referenced above, three additional down-gradient bedrock monitoring wells were sampled during this reporting period. Three bedrock monitoring wells were sampled pursuant to USEPA's request for additional groundwater monitoring information to support the proposed abandonment of monitoring wells that have become obsolete and are no longer needed for groundwater monitoring at the site. The additional sampling activities, which are described in our December 20, 2005 letter to USEPA, were approved by USEPA on January 25, 2006. Specifically, additional groundwater sampling was performed at bedrock monitoring wells M-22 (located immediately adjacent to the slurry wall), OD-3 (located just south and east of M-21) and M-23 (located just north of Mitchell Street) during April and May 2006. These additional sampling results, which were all below the performance standards and at or near detection levels, provided additional confirmation of the success of the slurry wall containment system control and natural attenuation of VOC concentrations at the downgradient wells (Attachment I-D and I-E). Therefore, as indicated in our December 20, 2005 letter, we are proposing our list of wells for abandonment and a proposed schedule for abandonment in this Annual Progress Report. (Attachment E-1).

Attachment II of this report contains a description of the actions completed under the Consent Decree for each quarter of this reporting period. Site monitoring results and leachate removal and disposal records for each quarter of the reporting period are also included in Attachment II. Finally, Attachment III of this report provides a description and schedule of the actions planned during the next reporting period (July 2006 - June 2007).

This report also summarizes the actions taken to complete the procurement of the institutional controls required by Consent Decree. A separate report, entitled the Remedial Action Completion Report, is being submitted to EPA under separate cover and documents the execution and recording of the institutional controls required by the Consent Decree.

If you have any questions, please call me at (941) 926-7929.

Sincerely,



*de maximis, inc.*  
Mark Valentine

cc: PAS Oswego Steering Committee  
Marla Weider, Esq., USEPA  
Payson Long/G.Rider, NYSDEC, Div. of Hazardous Waste Remediation  
Jim Burke, NYSDEC Region 7 Office  
D. Geraghty, NYDOH, Office of Public Health

Attach/



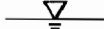
# **ANNUAL PROGRESS REPORT**

## ***PAS OSWEGO SUPERFUND SITE OSWEGO, NEW YORK***

*July 2006*

*Submitted By:*

*de maximis, inc.  
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(941) 926-7929*

  
*de maximis, inc.*

## LIST OF ATTACHMENTS

### ATTACHMENT I – FIGURES & TABLE

- I - A Slurry Wall Groundwater Elevation Charts
- I - B Long Term Monitoring Groundwater and Leachate Quality Graphs
- I - C Figure 1 - Historical VOC Concentrations
- I - D Figure 2 – VOC Concentrations - Additional Groundwater Monitoring Results
- I - E Table 1 – Comparison of Bedrock Groundwater Monitoring Results – Additional Wells vs Selected LTM Wells

### ATTACHMENT II – ACTIONS COMPLETED

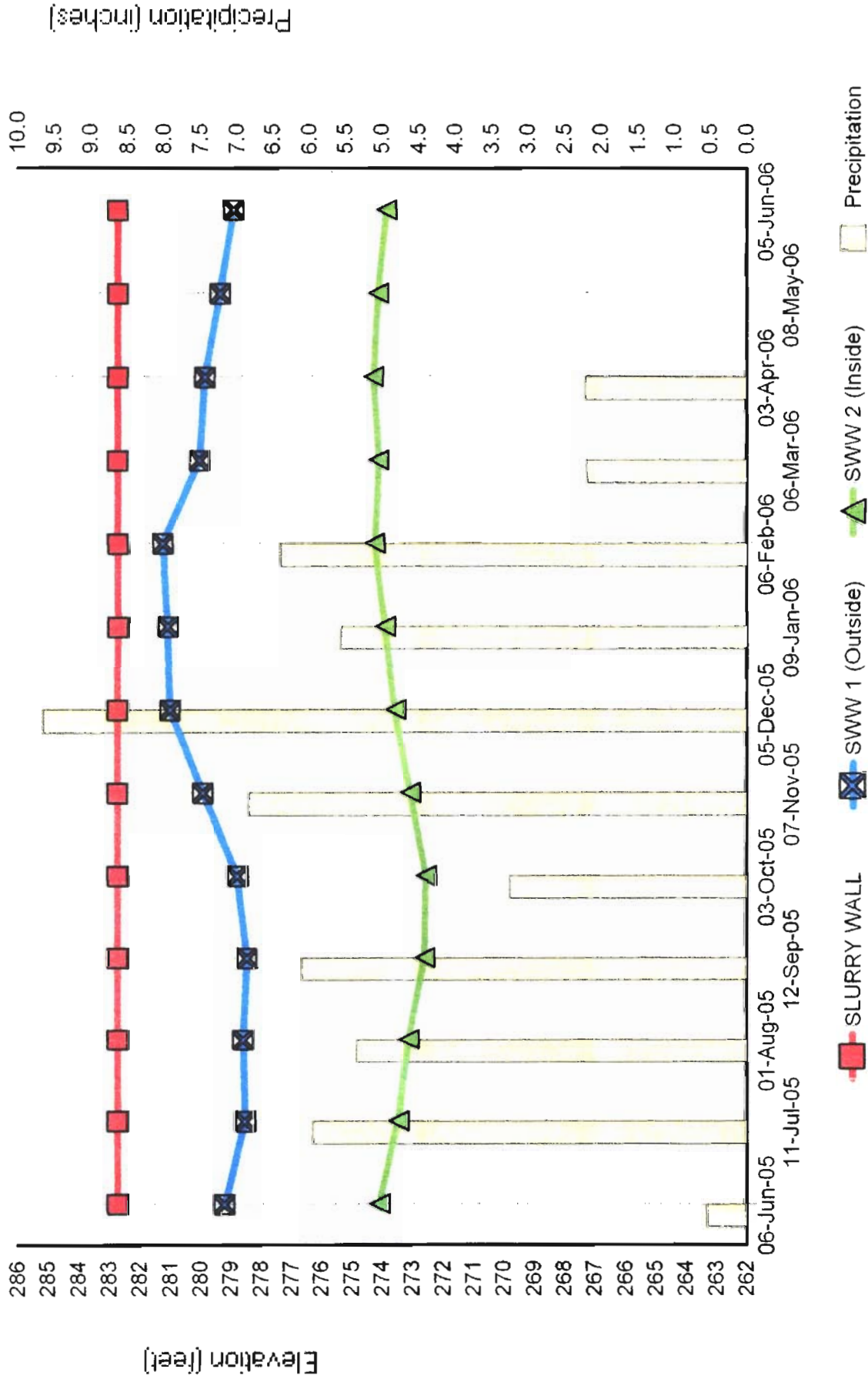
- II - A 3<sup>rd</sup> Quarter 2005
  - A-1 Ground-Water Elevation Data
  - A-2 Site Inspection Checklist and Leachate Disposal
  - A-3 Hazardous Waste Manifests
  - A-4 Waste Treatment/Disposal Certifications
- II - B 4<sup>th</sup> Quarter 2005
  - B-1 Ground-Water Elevation Data
  - B-2 Site Inspection Checklist and Leachate Disposal
  - B-3 Hazardous Waste Manifests
  - B-4 Waste Treatment/Disposal Certifications
  - B-5 Semi-Annual Monitoring Lab Reports (November 2005)
- II - C 1<sup>st</sup> Quarter 2006
  - C-1 Ground-Water Elevation Data
  - C-2 Site Inspection Checklist and Leachate Disposal
  - C-3 Hazardous Waste Manifests
  - C-4 Waste Treatment/Disposal Certifications
- II - D 2<sup>nd</sup> Quarter 2006
  - D-1 Ground-Water Elevation Data
  - D-2 Site Inspection Checklist and Leachate Disposal
  - D-3 Hazardous Waste Manifests
  - D-4 Waste Treatment/Disposal Certifications
  - D-5 Semi-Annual & Additional Monitoring Lab Reports (April & May 2006)

### ATTACHMENT III – ACTIONS PLANNED

- E-1 Proposed Well Abandonment List

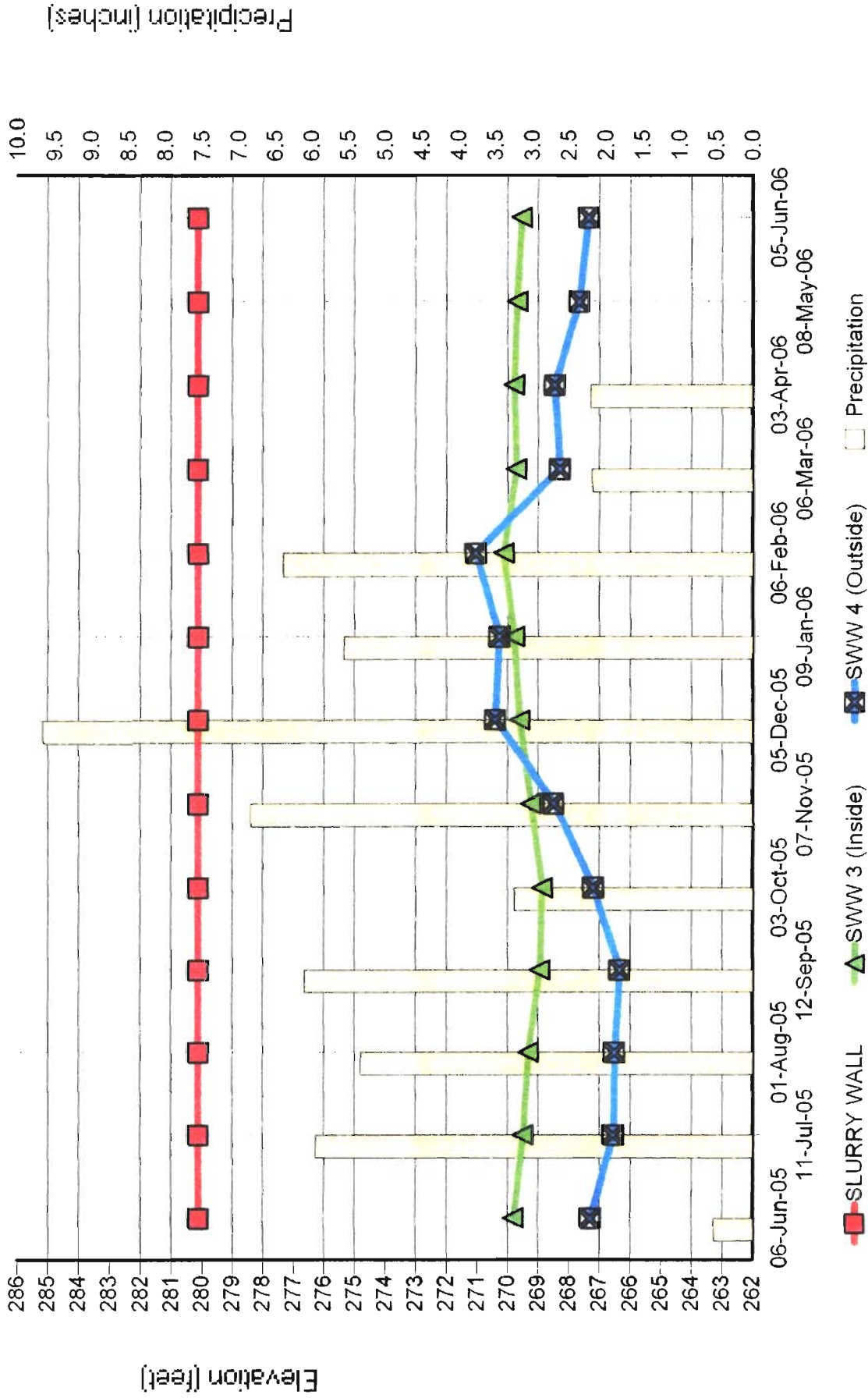
# PAS - OSWEGO

## GROUNDWATER ELEVATIONS (SWW1 & SWW2)



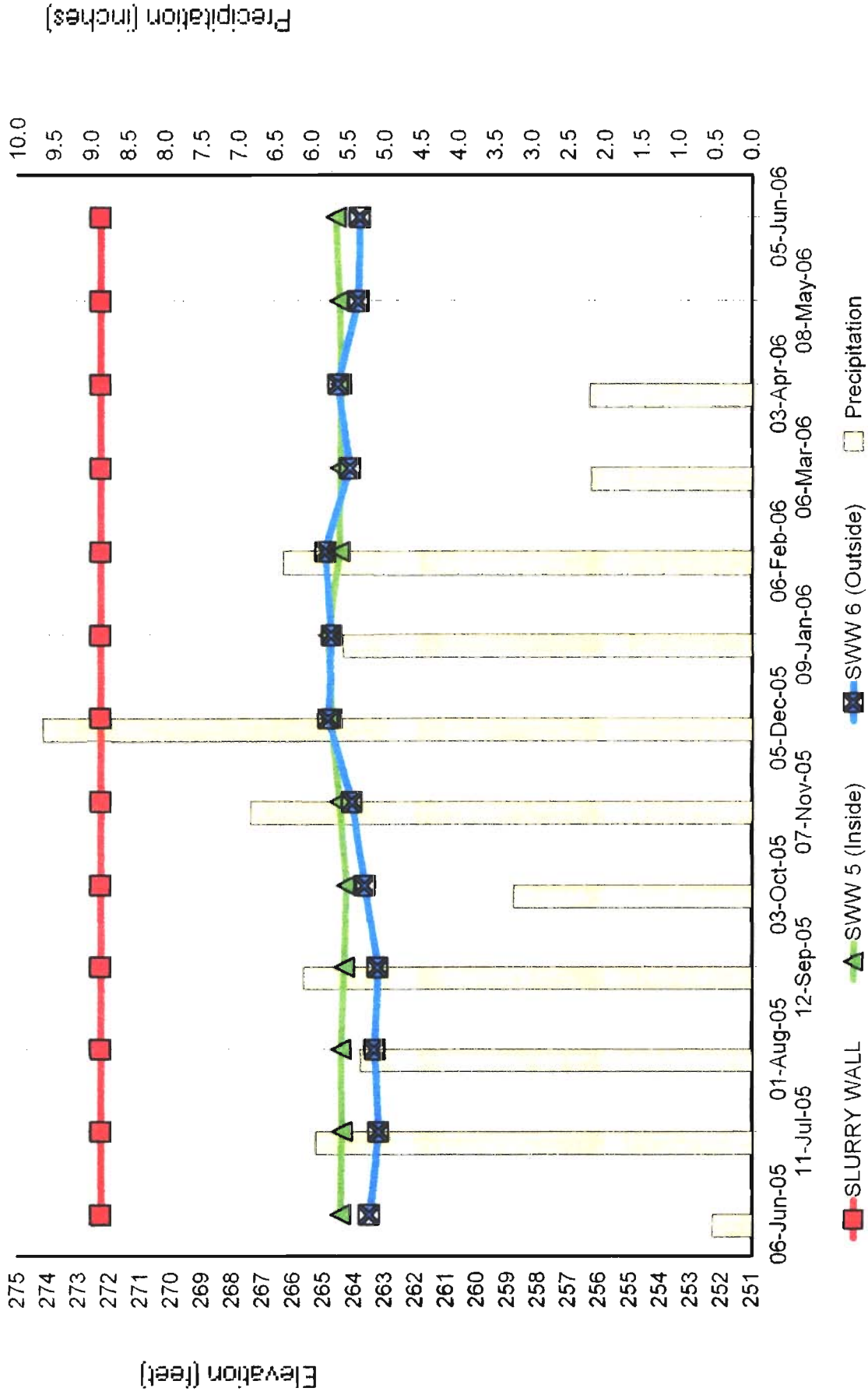
# PAS - OSWEGO

## GROUNDWATER ELEVATIONS (SWW3 & SWW4)



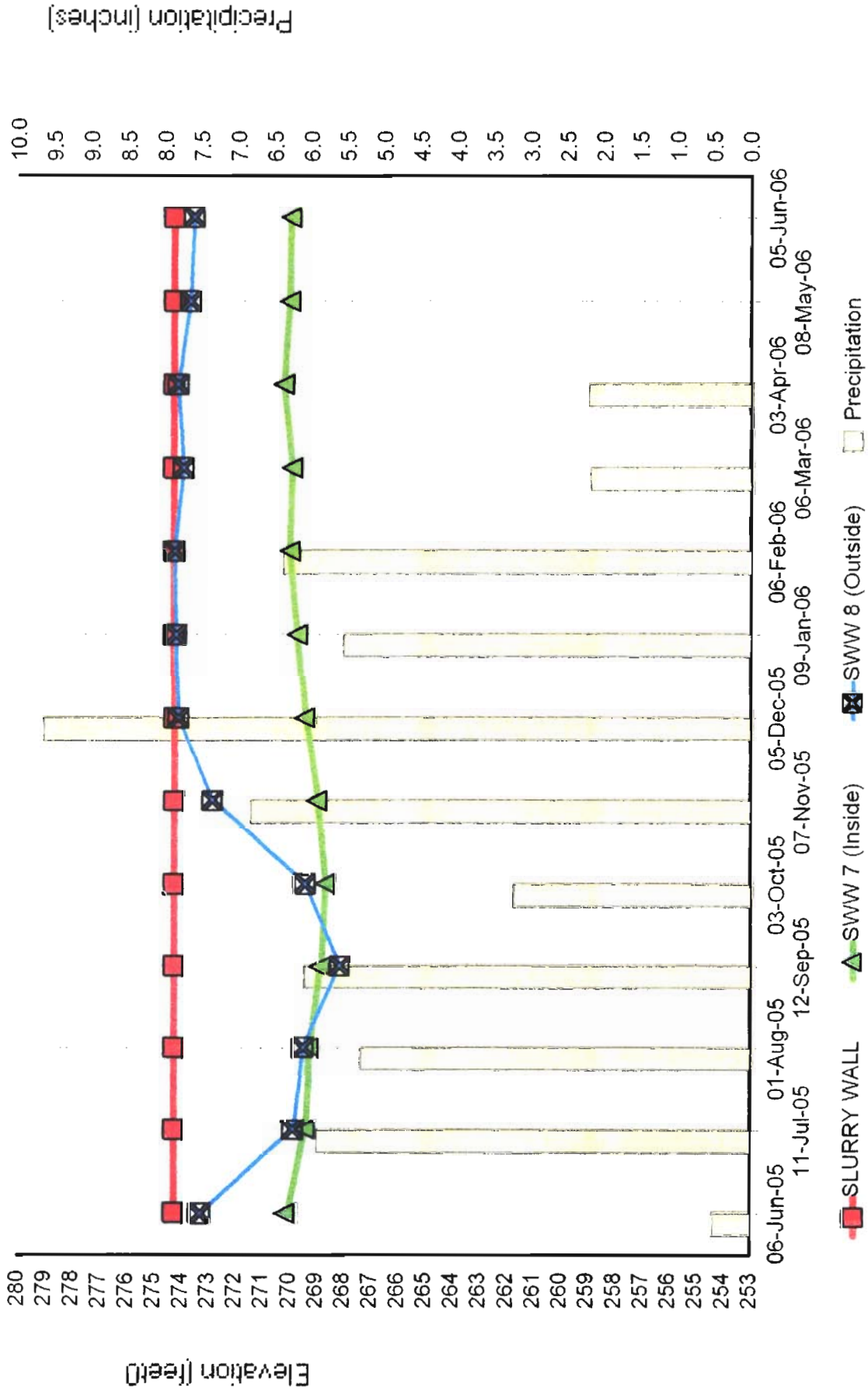
# PAS - OSWEGO

## GROUNDWATER ELEVATIONS (SWW5 & SWW6)



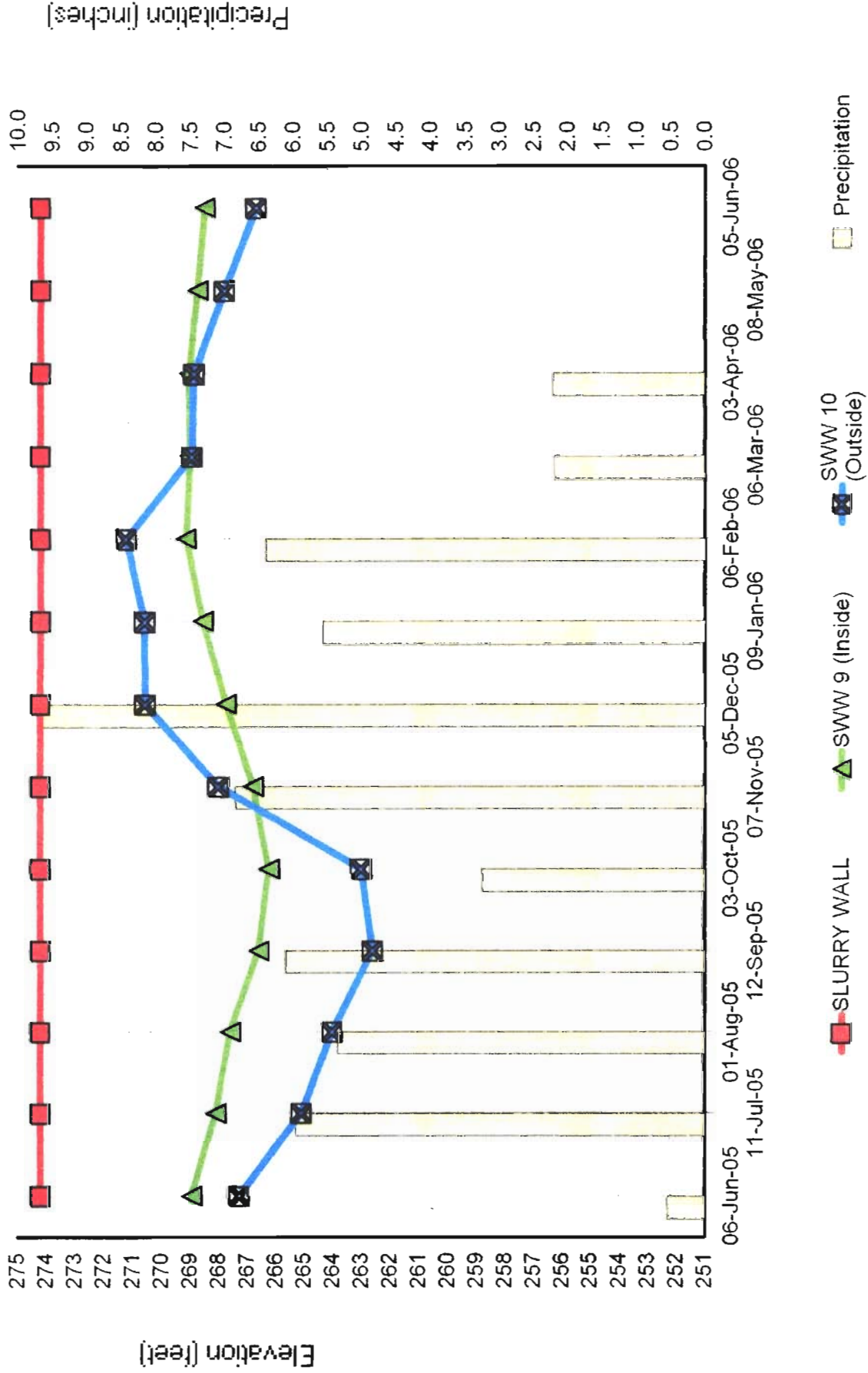
# PAS - OSWEGO

## GROUNDWATER ELEVATIONS (SWW7 & SWW8)



# PAS - OSWEGO

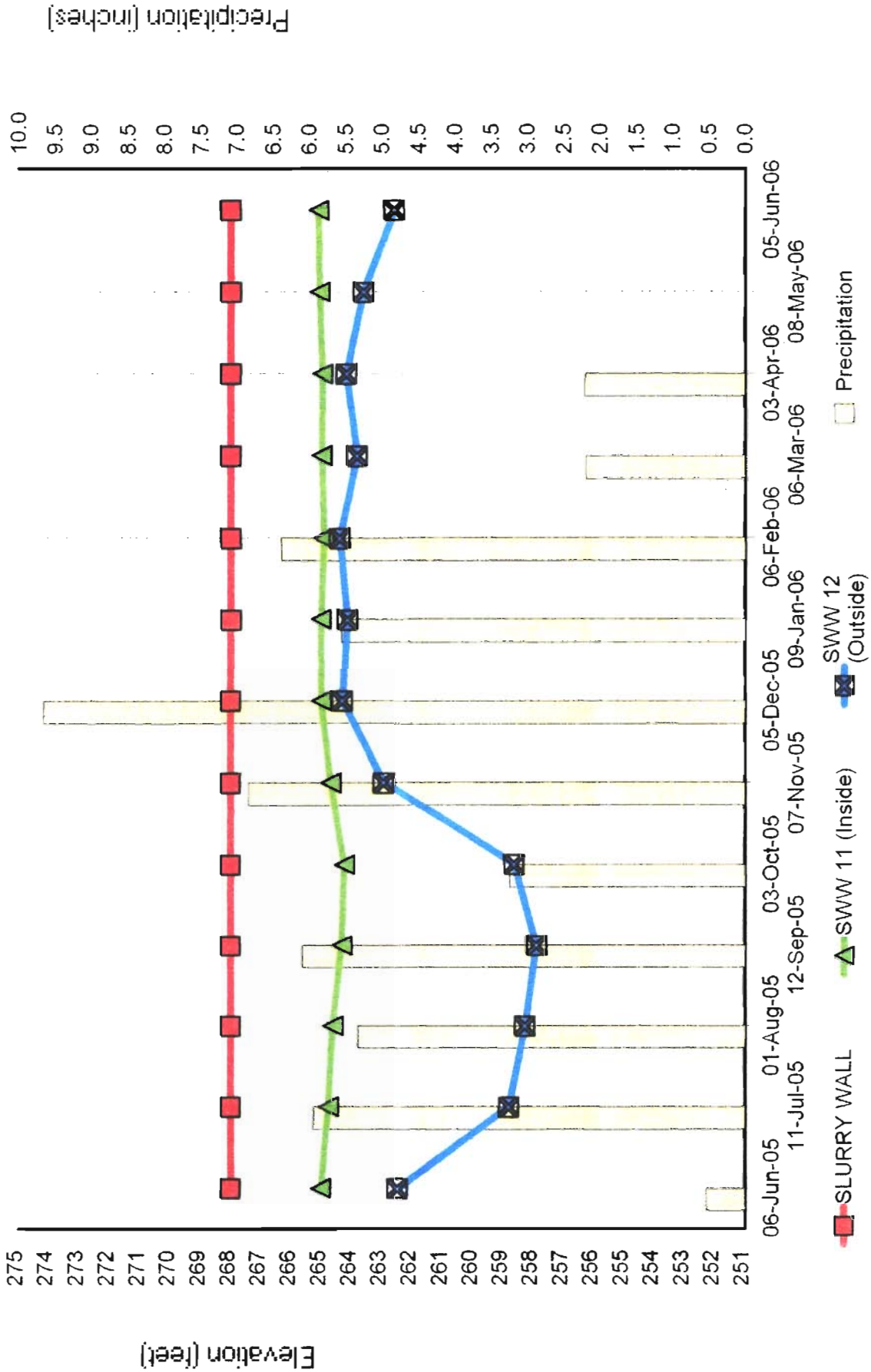
## GROUNDWATER ELEVATIONS (SWW9 & SWW 10)





# PAS - OSWEGO

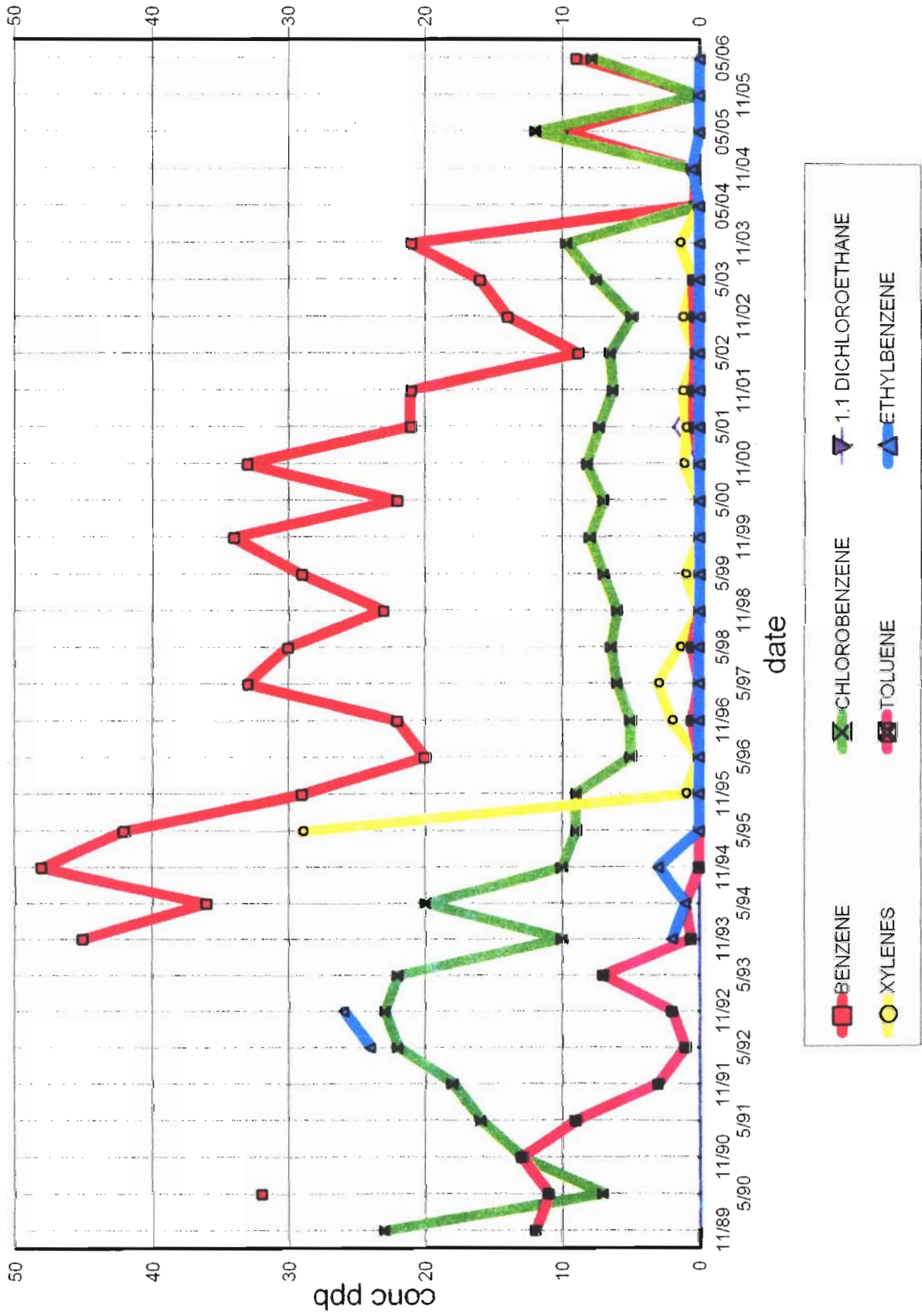
## GROUNDWATER ELEVATIONS (SWW11 & SWW12)





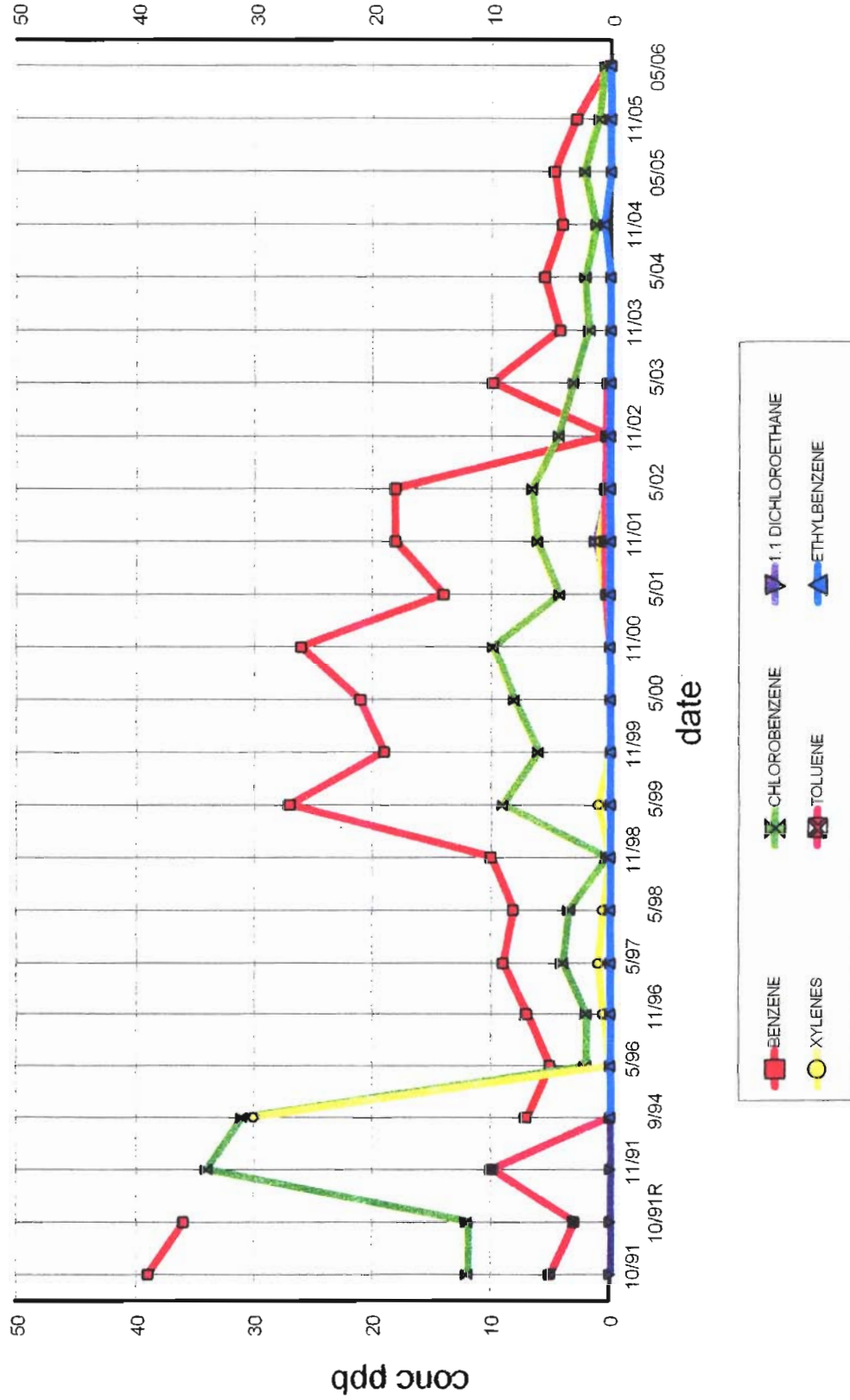
# Long Term Groundwater Monitoring at Well LR8

PAS Oswego Superfund Site



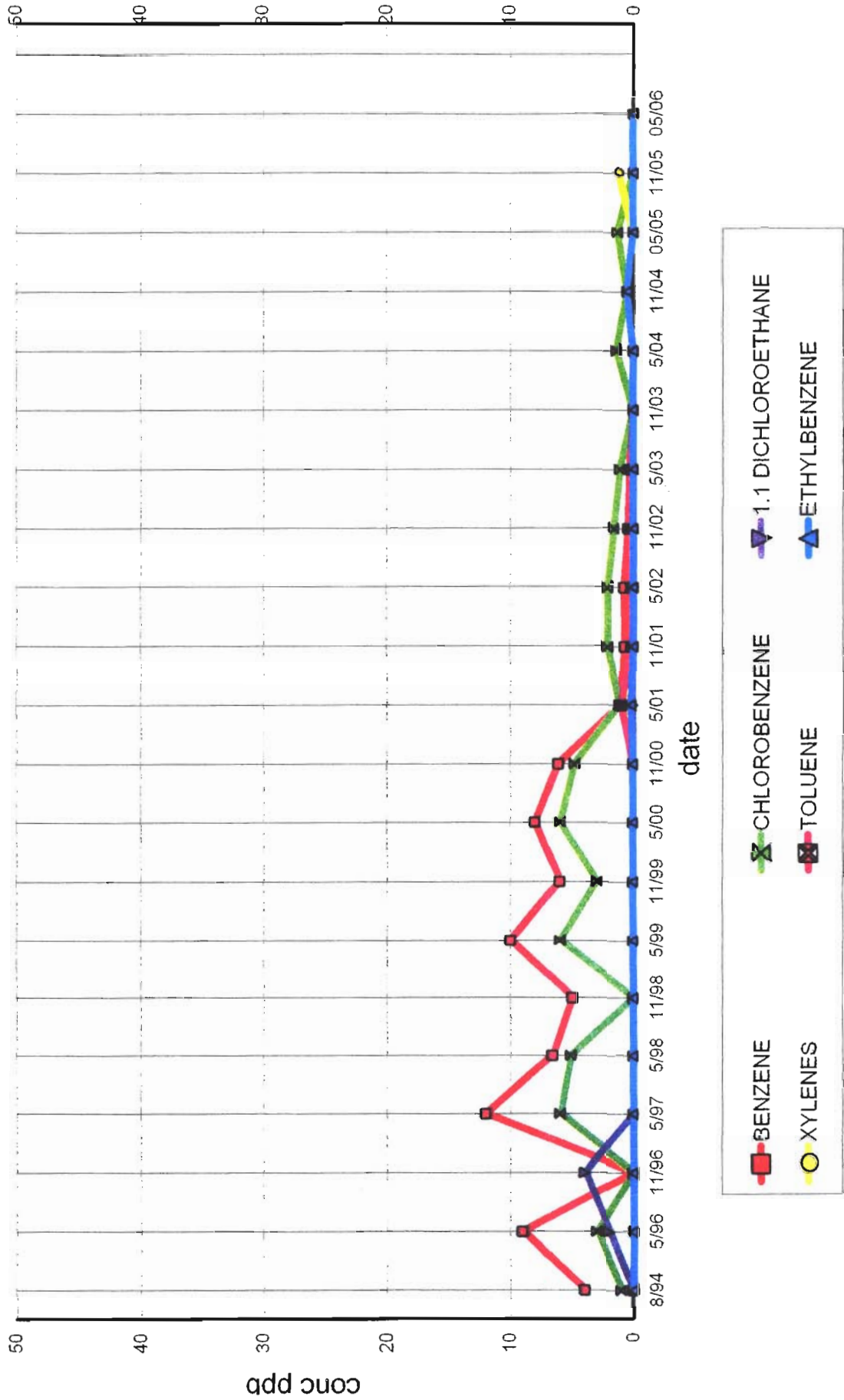
# Long Term Groundwater Monitoring at Well M-21

PAS Oswego Superfund Site



# Long Term Groundwater Monitoring at Well M-25

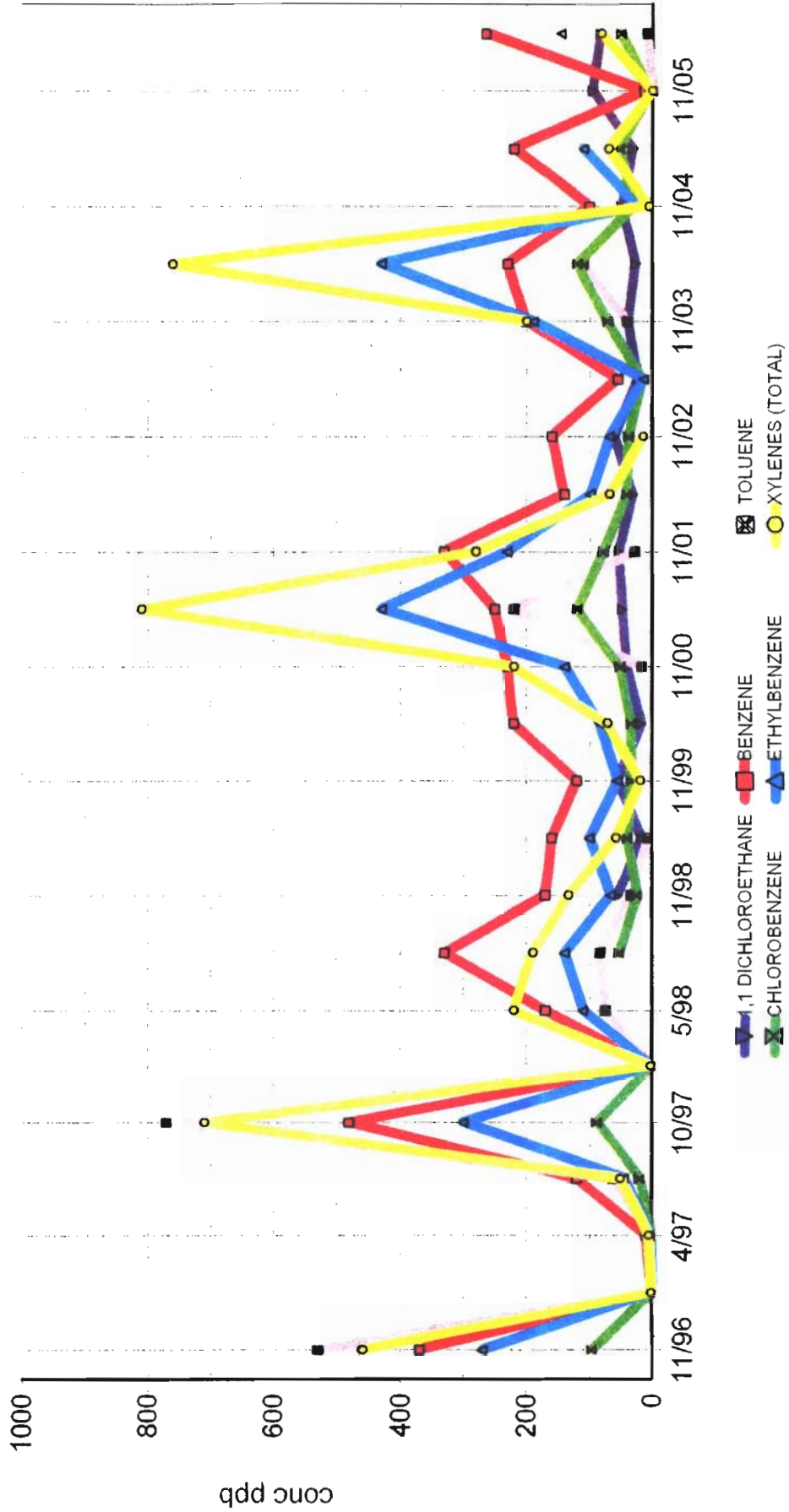
PAS Oswego Superfund Site





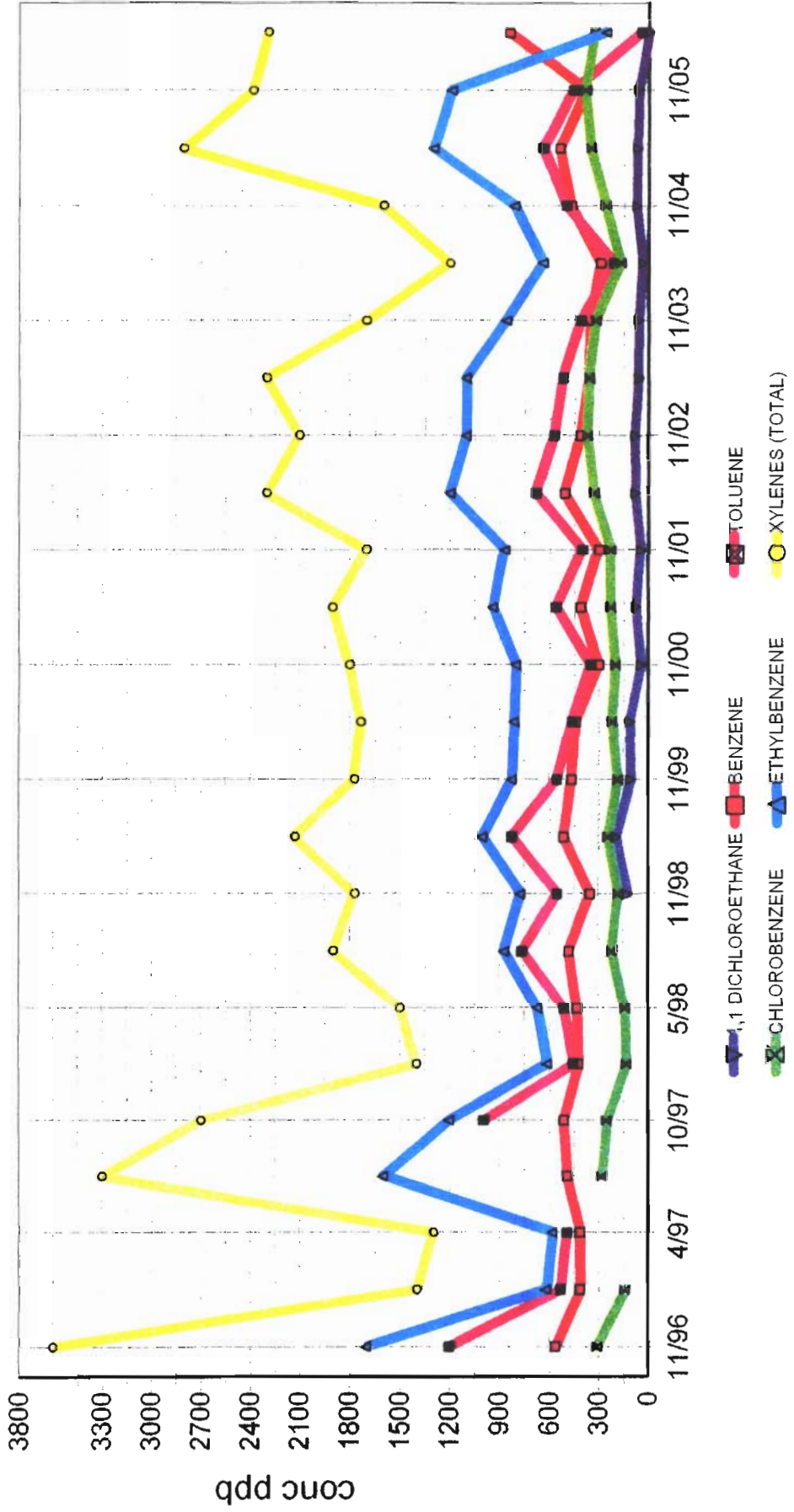
# LCW 2

## PAS Oswego Superfund Site Leachate Concentrations 1996 - 2006



# LCW 4

PAS Oswego Superfund Site Leachate Concentrations  
1996 - 2006



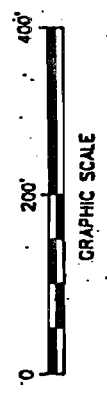
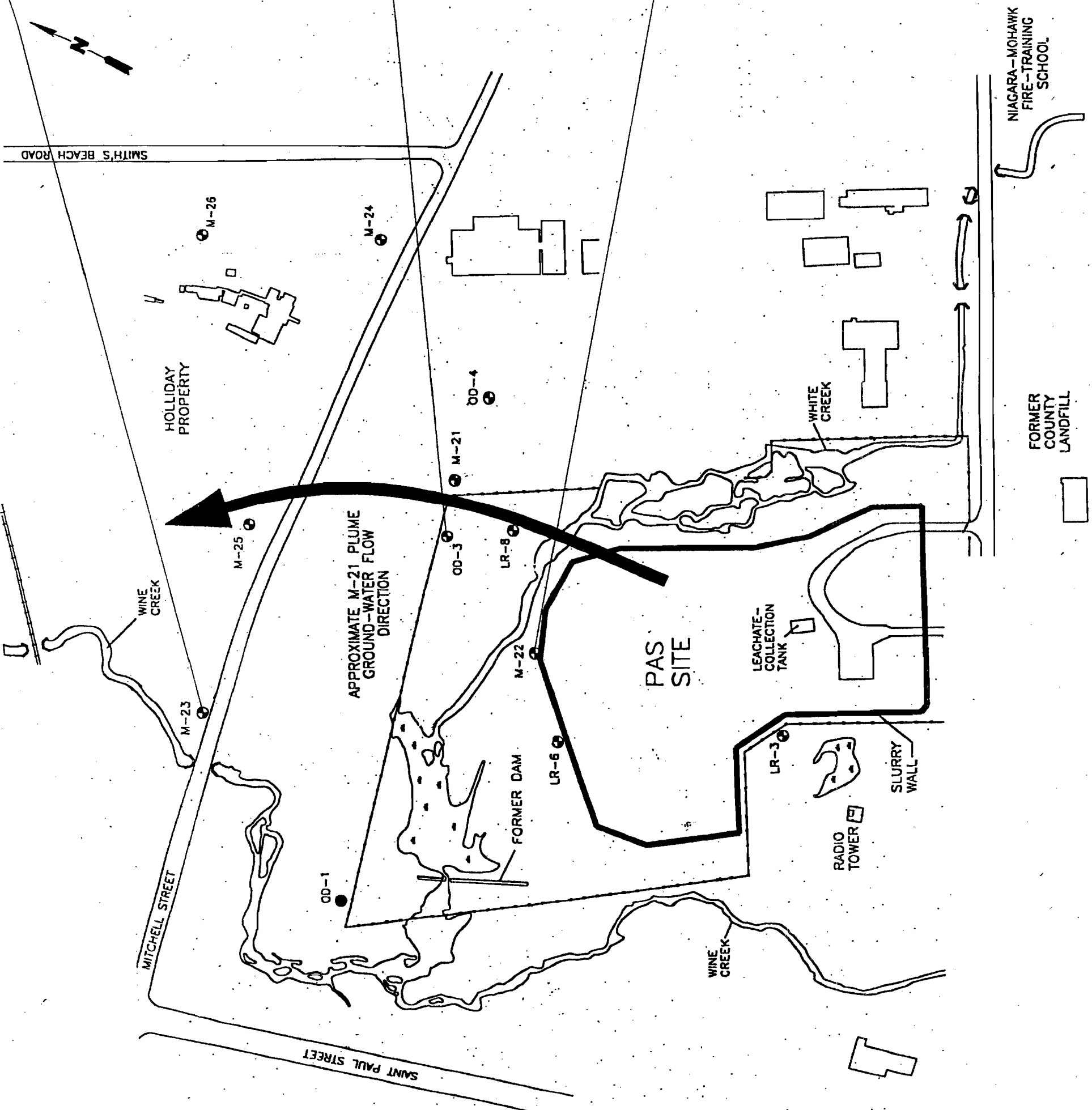




M-23	APR 2006	MAY 2006
BENZENE	ND	ND
TOLUENE	ND	ND
ETHYLBENZENE	ND	ND
XYLENES (TOTAL)	ND	ND
CHLOROBENZENE	ND	ND
1,1-DICHLOROETHANE	0.86	0.9

OD-3	APR 2006	MAY 2006
BENZENE	ND	ND
TOLUENE	ND	.16J
ETHYLBENZENE	ND	ND
XYLENES (TOTAL)	ND	.11J
CHLOROBENZENE	.11J	ND
1,1-DICHLOROETHANE	ND	ND

M-22	APR 2006	MAY 2006
BENZENE	.12J	ND
TOLUENE	ND	ND
ETHYLBENZENE	ND	ND
XYLENES (TOTAL)	ND	ND
CHLOROBENZENE	1J	ND
1,1-DICHLOROETHANE	ND	.14J



POLLUTION ABATEMENT SERVICES SITE  
OSWEGO, NEW YORK  
OPERATION AND MAINTENANCE AND  
LONG-TERM MONITORING PLAN

ADDITIONAL MONITORING WELL  
SAMPLING RESULTS

FIGURE 2

**O'BRIENGEERE**  
ENGINEERS INC.

U. ON-5, OT-REF  
P. STB-PCP/M  
3/04/06 STB-54-ETC  
34820001/20060002.DWG



TABLE 1

COMPARISON OF BEDROCK GROUNDWATER MONITORING RESULTS - ADDITIONAL WELLS vs SELECTED LTM WELLS

LTM CONSTITUENT	Perf Std (ug/l)	Selected Long-Term Bedrock Monitoring Well Results (ug/l)						Additional Bedrock Monitoring Results (ug/l)								
		LTM Well LR-8		LTM Well M-21		LTM Well M-25		Addtl Mon Well M-22		Addtl Mon Well M-23		Addtl Mon Well OD-3				
		May 05	Nov 05	May 06	Nov 05	May 06	Nov 05	May 06	Apr 06	May 06	Apr 06	May 06	Apr 06	May 06		
Benzene	0.7	10	ND	9	4.7	2.87	.31J	ND	ND	ND	0.12J	ND	ND	ND	ND	ND
Chlorobenzene	5	12	ND	7.87	2.2	1	0.53	ND	ND	ND	1J	ND	ND	0.11J	ND	ND
1,1-Dichloroethane	5	ND	ND	.10J	ND	ND	ND	ND	ND	ND	ND	0.14J	0.86	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
Toluene	5	ND	ND	.32J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.16J
Xylenes	5	ND	ND	.35J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11J

NOTES:

1. Additional downgradient bedrock wells M-22, M-23 and OD-3 monitored during April and May 2006 pursuant to January 25, 2006 letter to EPA and EPA approval letter dated February 2, 2006.

**ANNUAL PROGRESS REPORT – 3<sup>rd</sup> Quarter 2005**  
***Operation, Maintenance and Long-term Monitoring Activities***

**PROJECT NAME:** *Pollution Abatement Services Site  
Oswego, New York*

**PERIOD COVERED:** JULY - SEPTEMBER 2005

**ACTIONS COMPLETED DURING QUARTER:**

- Removal activities were conducted at the PAS Oswego Site in accordance with the Operation, Maintenance and Long-term Monitoring Activities Plan (BBL, 1998) (Work Plan). A total of 29,797 gallons of leachate was removed during the period July through September of 2005. Specific quantities of leachate removed during each month, along with removal dates and manifest numbers, are described in this progress report under the section entitled "Documentation of Removal Activities". Subsequent to each of these events, leachate and ground water was disposed of at the Clean Harbors facility in Bristol Connecticut. Clean Harbors Environmental Services provided the transportation of the waste.
- Routine ground water elevation monitoring was performed on July 11, 2005, August 1, and September 12, 2005.
- On August 1, 2005, quarterly ground-water elevation monitoring was also performed. Quarterly ground-water elevation results for the M-series and LR-series monitoring wells indicated upward vertical gradients calculated for the leachate collection well LCW-4 area were more than 1.5 feet per foot. Therefore leachate removal activities were conducted at LCW locations including LCW-4 during the period August through September 2005, in accordance with the November 15, 1999 leachate removal protocol.
- Site maintenance activities were conducted on July 18 & 20, August 29, and September 28, 2005, which included inspection of spill control materials, perimeter fencing, and monitoring wells, as well as cleanup of the storage shed and clearing of any debris accumulated in the concrete surface drainage trenches. These maintenance activities were performed in accordance with the approved Work Plan. Vegetated cap mowing activities were completed July 18 through July 20.
- Continued negotiations with Industrial Precision Products (IPP) and their lien-holders regarding the procurement of institutional controls for the two westerly parcels on IPP's property at 350 Mitchell Street. Initial concerns were raised to EPA regarding the apparent lack of responsiveness of IPP and one of their lien-holders to allow successful completion of negotiation of required institutional controls for the IPP property.

**RESULTS OF FIELD ACTIVITIES:**

- Ground-water elevation data collected July 11, August 1, and September 12, 2005 are attached, (See Attachment A-1).
- The routine leachate disposal and site inspection checklists for the 3<sup>rd</sup> quarter of 2005 are attached (See Attachment A-2).

**DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:**

- Hazardous Waste Manifests for the 3<sup>rd</sup> quarter of 2005 (See Attachment A-3)
- Waste Treatment/Disposal Certifications for the 3<sup>rd</sup> quarter of 2005 (See Attachment A-4)

***JULY 2005***

July 13, 2005

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1219235	5,400	7/13/05
CTF1219236	4,700	7/13/05

*July 2005 Total = 10,100 gallons*

***AUGUST 2005***

August 7, 2005

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1204617	4,975	8/3/05
CTF1204618	5,050	8/3/05

*August 2005 Total = 10,025 gallons*

***SEPTEMBER 2005***

September 22, 2005

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1206501	4,672	9/22/05
CTF1206506	5,000	9/22/05

*September 2005 Total = 9,672 gallons*

• **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter  
under OMM Plan - *July through September 2005*

**29,797**

## LEACHATE DISPOSAL DOCUMENTATION

July 13, 2005

<b>BFI/CECOS Work Order Number</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1219235	7/13/05
Attached	CTF1219236	7/13/05

August 3, 2005

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1204617	8/3/05
Attached	CTF1204618	8/3/05

September 22, 2005

<b>BFI/CECOS Work Order Number</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1206501	9/22/05
Attached	CTF1206506	9/22/05

***ATTACHMENT A-1***  
***GROUND-WATER ELEVATION DATA***

**OBG Inc. of North America**  
**PAS Site**  
**Oswego, New York**  
Pre-Pumping Monitoring Well Levels  
**07/11/2005**

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW		Within Range?		Ground-Elevation	Reading 3
						Yes	No	Yes	No		
SWW1	286.20	289.33	10.16	10.83	10.83	8.61 to 10.00		x		278.50	10.83
SWW2	286.30	289.37	15.30	15.92	15.92	14.90 to 16.12	x			273.45	
SWW3	286.00	286.50	16.68	17.00	17.00	16.26 to 17.48	x			269.50	
SWW4	282.90	283.60	16.31	17.04	17.04	14.47 to 15.98		x		266.56	17.04
SWW5	275.90	277.02	12.58	12.63	12.63	11.92 to 13.15	x			264.39	
SWW6	270.90	273.06	9.45	9.88	9.88	8.13 to 9.38		x		263.18	9.88
SWW7	273.30	277.93	7.78	8.46	8.46	7.30 to 8.59	x			269.47	
SWW8	275.70	278.24	4.92	8.32	8.32	3.57 to 4.74		x		269.92	8.32
SWW9	283.30	285.55	16.63	17.47	17.47	16.18 to 17.55	x			268.08	
SWW10	279.30	280.43	13.16	15.35	15.35	10.52 to 12.42		x		265.08	15.35
SWW11	271.00	273.50	8.48	8.74	8.74	7.98 to 9.24	x			264.76	
SWW12	270.20	272.82	10.36	14.02	14.02	8.27 to 9.48		x		258.80	14.02
LCW-1	271.40	272.21	7.61	7.40	7.40	7.20 to 8.33	x			264.81	
LCW-2	272.60	274.44	9.85	9.65	9.65	9.45 to 10.60	x			264.79	
LCW-3	283.30	284.36	18.62	18.84	18.84	18.00 to 19.11	x			265.52	
LCW-4	283.80	285.70	16.80	17.05	17.05	17.15 to 18.22		x		268.65	17.05

**OBG Inc. of North America**  
**PAS Site**  
**Oswego, New York**  
Pre-Pumping Monitoring Well Levels  
**08/01/2005**

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range?		Ground-Water Elevation	Reading 3
							Yes	No		
SWW1	286.20	289.33	10.83	10.76	10.76	8.28 to 10.66		x	278.57	10.76
SWW2	286.30	289.37	15.92	16.25	16.25	14.57 to 15.80		x	273.12	16.25
SWW3	286.00	286.50	17.00	17.18	17.18	16.02 to 17.18			269.32	
SWW4	282.90	283.60	17.04	17.08	17.08	13.10 to 16.81		x	266.52	17.08
SWW5	275.90	277.02	12.63	12.60	12.60	12.08 to 13.12	x		264.42	
SWW6	270.90	273.06	9.88	9.75	9.75	7.72 to 9.95	x		263.31	
SWW7	273.30	277.93	8.46	8.64	8.64	7.15 to 8.28		x	269.29	8.64
SWW8	275.70	278.24	8.32	8.72	8.72	3.48 to 5.42		x	269.52	8.72
SWW9	283.30	285.55	17.47	17.98	17.98	15.68 to 17.13		x	267.57	17.98
SWW10	279.30	280.43	15.35	16.42	16.42	8.98 to 13.66		x	264.01	16.42
SWW11	271.00	273.50	8.74	8.88	8.88	7.98 to 9.03	x		264.62	
SWW12	270.20	272.82	14.02	14.55	14.55	8.02 to 10.86		x	258.27	14.55
LCW-1	271.40	272.21	7.40	7.52	7.52	7.11 to 8.30	x		264.69	
LCW-2	272.60	274.44	9.65	9.75	9.75	9.35 to 10.58	x		264.69	
LCW-3	283.30	284.36	18.84	18.86	18.86	17.80 to 19.12	x		265.50	
LCW-4	283.80	285.70	17.05	17.55	17.55	16.30 to 17.80	x		268.15	
LR-2	287.50	289.85	13.60	15.80	15.80	13.10 to 15.15		x	274.05	15.80
LR-3	275.50	278.06	7.90	10.78	10.78	7.40 to 10.20		x	267.28	10.78
LR-6	270.90	274.39	10.08	12.73	12.73	9.58 to 12.05		x	261.66	12.73
LR-8	270.00	273.42	9.85	12.20	12.20	9.35 to 12.43	x		261.22	
M-21	270.28	272.32	9.25	11.88	11.88	8.75 to 11.84		x	260.44	11.88
M-22	270.40	273.88	9.79	11.90	11.90	9.29 to 11.75		x	261.98	11.90
M-23	267.98	270.49	11.40	13.56	13.56	10.90 to 13.85	x		256.93	
M-24	276.49	277.94	14.30	16.57	16.57	13.80 to 16.57			261.37	
M-25	264.56	265.84	8.26	8.98	8.98	6.62 to 9.00	x		256.86	
M-26	271.85	273.38	7.88	10.05	10.05	7.38 to 11.53	x		263.33	



OBG Inc. of North America

PAS Site

Oswego, New York

Pre-Pumping Monitoring Well Levels

09/12/2005

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW		Within Range?		Ground-Water Elevation	Reading 3
						8.28 to 10.66	14.57 to 15.80	Yes	No		
SWW1	286.20	289.33	10.76	10.90	10.90	8.28 to 10.66			x	278.43	10.90
SWW2	286.30	289.37	16.25	16.78	16.78	14.57 to 15.80			x	272.59	16.78
SWW3	286.00	286.50	17.18	17.55	17.55	16.02 to 17.18			x	268.95	17.55
SWW4	282.90	283.60	17.08	17.25	17.25	13.10 to 16.81			x	266.35	17.25
SWW5	275.90	277.02	12.60	12.70	12.70	12.08 to 13.12		x		264.32	
SWW6	270.90	273.06	9.75	9.86	9.86	7.72 to 9.95		x		263.20	
SWW7	273.30	277.93	8.64	9.05	9.05	7.15 to 8.28			x	268.88	9.05
SWW8	275.70	278.24	8.72	10.05	10.05	3.48 to 5.42			x	268.19	10.05
SWW9	283.30	285.55	17.98	18.98	18.98	15.68 to 17.13			x	266.57	18.98
SWW10	279.30	280.43	16.42	17.84	17.84	8.98 to 13.66			x	262.59	17.84
SWW11	271.00	273.50	8.88	9.17	9.17	7.98 to 9.03			x	264.33	9.17
SWW12	270.20	272.82	14.55	14.93	14.93	8.02 to 10.86			x	257.89	14.93
LCW-1	271.40	272.21	7.52	7.66	7.66	7.11 to 8.30		x		264.55	
LCW-2	272.60	274.44	9.75	9.90	9.90	9.35 to 10.58		x		264.54	
LCW-3	283.30	284.36	18.86	19.18	19.18	17.80 to 19.12			x	265.18	19.18
LCW-4	283.80	285.70	17.55	17.75	17.75	16.30 to 17.80		x		267.95	

*ATTACHMENT A-2*

*SITE INSPECTION CHECKLIST AND LEACHATE DISPOSAL*

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 7-11-05

Time: 9:00

Personnel: MARTIN KOENNECKE

Weather: SUNNY 80°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	<u>6-28-05</u>	
Burrowing Animals	<u>NONE VISABLE</u>	
Cap Vegetation	<u>GOOD</u>	
Concrete Drainage Trough	<u>OK</u>	
French Drain	<u>OK</u>	
Weeds	<u>NA</u>	
<b>Leachate Collection System</b>		
Pumps	<u>Responding</u>	
Pump Controls/Alarms	<u>NA</u>	
Tank Level	<u>6.5"</u>	
<b>Monitoring Wells</b>		
Locks	<u>OK</u>	
Riser	<u>OK</u>	
Surface Completion	<u>NA</u>	
<b>General Site Conditions</b>		
Foliage	<u>GOOD</u>	<u>READY FOR MOWING</u>
Perimeter Fence	<u>OK</u>	
Site Access Drive	<u>OK</u>	
Stream Gauges	<u>NA</u>	
<b>Other Items</b>		
Equipment Storage Shed	<u>OK</u>	
Fire Extinguisher	<u>OK</u>	
Spill Control Materials	<u>OK STACKED</u>	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) Schedule mowing site this coming week

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O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOENNECKE Time on Site: 7:30

Transportation Subcontractor: CLEAN HARBORS ENV. SERVICES

Leachate Destination: CLEAN HARBORS OF CONN INC.

Date: 7-13-05

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft Down)		
LCW-1	6:30	9:00				
LCW-2	6:30	9:00				
LCW-3	6:30	9:00				
LCW-4	NOT	PUMPED				

Leachate Holding Tank: 6.5" Aftix Pumpout 5" Pumped 31.5" @ 150 mm  
 Initial Flow Meter Reading: 38" - 33" = 5" 96095 @ 150 mm = 64.6 PM  
 Final Flow Meter Reading: 33 X 305 = 1065 gal

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)		
Load #1	9:10	Yes	9:50	45 7/8"	CT-F-1219236	127 4700 6
Load #2	10:00	Yes	10:30	53 3/4"	CT-F-1219235	128 5400 6
Load #3						
Load #4						

10,100 gal.

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 7-18 Through - 20-05

Time: 7-5, 9-5, 7-12:00

Personnel: Martin Koennecke

Weather: Sunny Hot

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	7-11-05	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	good	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	NA	
Pump Controls/Alarms	NA	
Tank Level	5.5"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	NA	
General Site Conditions		
Foliage	good	mowed site
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK	STOCKED

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) MOWED SITE

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O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 8-1-05

Time: 9:30 AM

Personnel: MARTIN KOENNECKE

Weather: SHOWERS 80°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	7-20-05	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	NEED TRIMMING	
French Drain	OK	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	5.5"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	GOOD	
Perimeter Fence	OK NEEDS TRIM	WORK
Site Access Drive	OK	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) QUARTERLY WELL MEASUREMENTS

WELL MARKED SOME FENCE LINE

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOENNECKE

Time on Site: 7:30

Transportation Subcontractor: CLEAN HARBORES

Leachate Destination: \_\_\_\_\_

Date: 8-3-05

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft Down)		
LCW-1	7:30	8:40	-	Sec Below		
LCW-2	7:30	8:40		↓	↓	↓
LCW-3	7:30	8:40		↓	↓	↓
LCW-4	7:30	8:40		↓	↓	

Leachate Holding Tank: START - 5.5" 5Top - 41"  
8.5 AFTER Pump out

Initial Flow Meter Reading:

Final Flow Meter Reading:

$35.5" \times 305 \div 70mm = 154 \text{ GPM}$

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Slick Mass)		
Load #1	<u>9:00</u>	<u>Yes</u>	<u>10:30</u>	<u>58</u>	<u>CTF1204617</u>	<u>129</u>
Load #2	<u>11:20</u>	<u>Yes</u>	<u>12:15</u>	<u>49.5</u>	<u>CTF1204618</u>	<u>130</u>
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 8-29-05

Time: 12:00

Personnel: MARTIN KOEWECHE

Weather: Sunny 80°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	8-1-05	
Burrowing Animals	None visible	
Cap Vegetation	Good	
Concrete Drainage Trough	OK	CUT Vegetation Back
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	SPRAY wasp nests in control lines
Pump Controls/Alarms	NA	
Tank Level	5.5"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	NA	
General Site Conditions		
Foliage	Good	
Perimeter Fence	OK	
Site Access Drive	OK	CUT BACK GRASS ALONG DRIVE
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

TRIMMED AROUND TANK, SHED, DRIVE, wells AND ~~WORKED~~ WORKED ON FENCE LINE TRIMMING



O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 9-12-05

Time: 9:30

Personnel: MARTIN Koennecke

Weather: SUNNY 75°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	8-29-05	
Burrowing Animals	None visible	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA.	
<b>Leachate Collection System</b>		
Pumps	Responding	
Pump Controls/Alarms	NA.	
Tank Level	5.5"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA.	
<b>General Site Conditions</b>		
Foliage	GOOD	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA.	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) monthly well reading.

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O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOENWECKE Time on Site: 7:00

Transportation Subcontractor: CLEAN HARBORS

Leachate Destination: CLEAN HARBORS BRISTOL CONN.

Date: 9-22-05

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft. Down)		
LCW-1	7:15	8:30		See Below		
LCW-2	7:15	8:30				
LCW-3	7:15	8:30				
LCW-4	7:15	8:30				

Leachate Holding Tank: START - 5.5"  
STOP - 34.5  
Initial Flow Meter Reading:  
Final Flow Meter Reading: AFTER PUMP OUT = 8"

32" = 9060 gal  
34.5" - 10,522 ÷ 75 min = 1436 PM

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	8:40	Yes	10:00	49.5 - 5000	CT-F-1206506	131
Load #2	10:10	Yes	10:50	45.5 4672	CT-F-1206501	132 <sup>#</sup>
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 9-28-05

Time: 8:00

Personnel: Martin Koehnke

Weather: Sunny 70°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	<u>9-12-05</u>	
Burrowing Animals	<u>NONE VISIBLE</u>	
Cap Vegetation	<u>OK</u>	
Concrete Drainage Trough	<u>OK</u>	
French Drain	<u>OK</u>	
Weeds	<u>NA</u>	
<b>Leachate Collection System</b>		
Pumps	<u>Responsive</u>	
Pump Controls/Alarms	<u>NA</u>	
Tank Level	<u>8"</u>	
<b>Monitoring Wells</b>		
Locks	<u>OK</u>	
Riser	<u>OK</u>	
Surface Completion	<u>NA</u>	
<b>General Site Conditions</b>		
Foliage	<u>Good</u>	
Perimeter Fence	<u>OK</u>	
Site Access Drive	<u>OK</u>	
Stream Gauges	<u>NA</u>	
<b>Other Items</b>		
Equipment Storage Shed	<u>OK</u>	
Fire Extinguisher	<u>OK</u>	
Spill Control Materials	<u>OK</u>	<u>Stacked</u>

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) PAINTED ONE SIDE OF TANK ROOF

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***ATTACHMENT A-3***  
***HAZARDOUS WASTE MANIFESTS***

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

0200 0440

PPW 04/30/2005

FOR STATE USE ONLY

Please type (or print) (Form designed for use on 112-pitch typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
N.Y.D.0.0.0.5.1.1.0.5.9

Manufacture ID  
00128  
179235

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address  
PAS Participating Farms  
ATTN: Tony Gais  
C/O O'Brien & Gere, Inc. of North America  
Syracuse, NY 13221

A. State Manifest Document Number  
CT F 1219235

4. Generator's Phone (315) 437-8100

B. G.S.I. (Gen. Site Address)  
55 Seneca Street  
Oswego, NY 13126

5. Transporter 1 Company Name  
Clean Harbors Env Services Inc

C. S.T.I. (Trans. Lic. Plate #)  
619476MA

6. US EPA ID Number  
M.A.D. 0.3.0.3.2.2.5.0

D. Tran. Phone (781) 849-1800

7. Transporter 2 Company Name

E. S.T.I. (Trans. Lic. Plate #)

9. Designated Facility Name and Site Address  
Clean Harbors Of Conn Inc  
51 Broderick Road  
Bristol, CT, 06010

F. Tran. Phone  
G. State Facility's ID (Not Required)  
H. Facility's Phone (800) 583-8917

10. US EPA ID Number  
C.T.D.0.0.0.0.0.4.4.0.0

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)  
a. RC, WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (XYLENE,ETHYLBENZENE), 9, UN3082, PG III (F039)

12. Containers  
13. Total Quantity  
14. Unit W/M/ot  
1. Waste No.  
EPA F039  
STATE

b.  
c.  
d.

0.01 TT 05.4.00G  
EPA  
STATE  
EPA  
STATE  
EPA  
STATE

J. Additional Descriptions for Materials Listed Above  
ERG#171 (L)(T)

K. Handling Codes for Wastes Listed Above  
Interim Final Interim Final  
a. T23 c  
b. d

15. Special Handling Instructions and Additional Information  
EMERGENCY PHONE # (800) 483-3715  
11a: CH900009

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name AS AGENT  
MARTIN KOENNECKE

Signature  
Month Day Year  
07/13/05

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name  
JOSE M. FARTURA

Signature  
Month Day Year  
07/13/05

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature  
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.  
Printed/Typed Name  
Natalyn D. RIAN  
Signature  
Month Day Year  
07/13/05

GENERATOR  
TRANSPORTER  
FACILITY

COPY 3: FACILITY TO GENERATOR  
CT F1219235



3102

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

PFVW 08/30/2005

Please type (or print) (Form designed for use on 12-pitch typewriter)

FOR STATE USE ONLY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>NY 0000511659</b>		2. Page 1 of 1		3. Information in the shaded areas is not required by Federal law, but may be required by State law.	
3. Generator's Name and Mailing Address <b>PAS Participating Parties ATTN: Tony Gaise C/O O'Brien &amp; Gere, Inc. of North America . 5000 Brittonfield Pkwy PO BOX 4873 SYRACUSE, NY 13221</b>				A. State Manifest Document Number <b>CT F 1219236</b>			
4. Generator's Phone # <b>315 437-8100</b>				B. G.S.I. (Gen. Site Address) <b>55 Seneca Street Orangetown, NY 13126</b>			
5. Transporter 1 Company Name <b>Clean Harbors Env Services Inc</b>		6. US EPA ID Number <b>M.A.D. 0. J. 0. 3. 2. 2. 5. 0</b>		C. S.T.I. (Trans. Lic. Plate #) <b>19471 MC</b>		D. Tran. Phone ( ) <b>781 448-1800</b>	
7. Transporter 2 Company Name		8. US EPA ID Number		E. S.T.I. (Trans. Lic. Plate #)		F. Tran. Phone ( )	
9. Designated Facility Name and Site Address <b>Clean Harbors Of Conn Inc 51 Broderick Road Bristol, CT, 06010</b>				10. US EPA ID Number <b>C.T.D. 0. 0. 0. 0. 4. 4. 2. 5</b>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. <b>RQ. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.B. (XYLENE,ETHYLBENZENE), 9, UN3082, PG III (F039)</b>				No. Type		14. Unit Wt/Vol	
				1. Waste No.		EPA Form No.	
				STATE		EPA Form No.	
				STATE		EPA Form No.	
				STATE		EPA Form No.	
				STATE		EPA Form No.	
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
a. <b>ERG1171 (L), (T)</b>				Interim Final Interim Final			
				a. <b>123</b>			
				b.			
				c.			
				d.			
15. Special Handling Instructions and Additional Information <b>EMERGENCY PHONE # (800) 483-3716</b> <b>11a: CH909008</b>							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <b>AS AGENT MARTIN KOENNECKE</b>				Signature <b>AS AGENT Martin Koennecke</b>		Month Day Year <b>07/13/05</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>ERIC JUDD</b>		Signature <b>Eric Judd</b>	
						Month Day Year <b>07/13/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature	
						Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. I hereby declare that I have the appropriate permits for and will accept the waste the generator is shipping.							
Printed/Typed Name <b>Natalya D. RIAN</b>				Signature <b>Natalya D. Rian</b>		Month Day Year <b>7/13/05</b>	

COPY 3: FACILITY TO GENERATOR

CT F1219236



3134

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

021067806

PPW07202005 FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

IF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802.

UNIFORM HAZARDOUS WASTE MANIFEST form with sections 1-20. Includes generator info (PAS Participating Parties), transporter info (Clean Harbors Env Services Inc), facility info (Clean Harbors Of Conn Inc), and waste description (NO. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.C.S., (XYLENE, ETHYL BENZENE), 9, UN3082, PG III (F039)).

COPY 3: FACILITY TO GENERATOR

CT F1204617



3107

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

1/27/89/30M

PPW (1/7/20/2011)

FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

IF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD, 1-800-424-8802.

IF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD, 1-800-424-8802.

IF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD, 1-800-424-8802.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD999411859		Manifest Document No. 00130		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but may be required by State law.	
3. Generator's Name and Mailing Address P&S Participating Parties ATTN: Tony Sales C/O O'Brien & Gere, Inc. of North America, 5000 Brittonfield Pkwy PO BOX 4873 SYRACUSE, NY 13224				6. US EPA ID Number		A. State Manifest Document Number CT F 1204618		B. G.S.I. (Gen. Site Address) 55 Seneca Street Oswego, NY 13128	
4. Generator's Phone ( ) 315 437-8100				7. Transporter 1 Company Name Clean Harbors Env Services Inc		C. S.T.I. (Trans. Lic. Plate #) 619776ME		D. Tran. Phone ( ) 781 849-1800	
5. Transporter 1 Company Name				6. US EPA ID Number MAD009322250		E. S.T.I. (Trans. Lic. Plate #)		F. Tran. Phone ( )	
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility's ID (Not Required)		H. Facility's Phone (800) 583-8017	
9. Designated Facility Name and Site Address Clean Harbors Of Conn Inc 51 Broderick Road Bristol, CT, 06010				10. US EPA ID Number CFD000804488		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	
						a. NO. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (XYLENE,ETHYLBENZENE), 9, UN3082, PG III (F039)		13. Total Quantity 001 TT05.050 G	
						b.		14. Unit Wt/Vol	
						c.		EPA Waste No. F039 STATE	
						d.		EPA STATE	
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		Interim		Final	
ERG 171 (L), (T) LEACHATE				NYBY 123		Interim		Final	
15. Special Handling Instructions and Additional Information 11a: CH908008				EMERGENCY PHONE #: (800) 463-3718					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.									
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name AS Agent MARTIN KOENNECKE				Signature AS Agent Mark Koenecke				Month Day Year 10 8 0 3 0 5	
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Jeffrey CARPENTER				Signature Jeffrey Carpenter	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.									
Printed/Typed Name Nehemiah D. KIAN				Signature Nehemiah D. Kian				Month Day Year 10 8 0 3 0 5	

COPY 3: FACILITY TO GENERATOR

CT F1204618



STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM PPV 08/25/2005  
79 Elm St., Hartford, CT 06106-5127

Type (or print) (Form designed for use on a 12-pitch typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NYD0000511030 Manifest No. 00732

2. Page 1 of 1 Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address  
PAS Participating Parties  
ATTN: Tony Gaisa  
O'Brien & Gere, Inc. of North America, 5000 Brittonfield Pkwy PO BOX 4073  
Cromwell, CT 06431  
Phone: 203-437-9100

A. State Manifest Document Number  
CT F 1206501

B. G.S.I. (Gen. Site Address)  
55 Seneca Street  
Oswego, NY 13126

5. Transporter 1 Company Name  
Clean Harbors Env Services Inc  
US EPA ID Number  
MAD039322230

C. S.T.I. (Trans. Lic. Plate #)  
019471ME

D. Tran. Phone (761) 849-1600

7. Transporter 2 Company Name  
US EPA ID Number

9. Designated Facility Name and Site Address  
Clean Harbors Of Conn Inc  
61 Broderick Road  
Bristol, CT, 06010  
US EPA ID Number  
CTD000004488

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone (800) 643-8017

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
	No.	Type			
a. RQ. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (XYLENE, ETHYLBENZENE), 9, UN3082, PG III (F039)	00	1			EPF 039 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above  
a. ERQM71 (L)(T)  
b.

K. Handling Codes for Wastes Listed Above  
Interim Final Interim Final  
a. T23  
b.

15. Special Handling Instructions and Additional Information  
EMERGENCY PHONE # (800) 483-3718  
11a. CH90900B  
STIKK READINGS = 4672 CALLOS Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.  
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name AS AGENT  
MARTIN KOENNECKE  
Signature us agent  
Month Day Year 09/22/05

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name  
JOSE M. FARTURA  
Signature  
Month Day Year 09/22/05

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name  
Signature  
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of materials with generator's consignment as shipped, noted in Item 19.  
Printed/Typed Name  
Melvyn D. Ryan  
Signature  
Month Day Year 9/22/05

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD, 1-800-424-8802.

COPY 3: FACILITY TO GENERATOR  
C1 F1206501



3134

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-8127

PPW 08/25/2005

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802  
WITHIN CONNECTICUT, CONTACT CT DEP. OF ENVIRONMENTAL PROTECTION 860-419-3200  
FOR ASSISTANCE

COPY 3: FACILITY TO GENERATOR

CT LICENSE

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No M Y D 0 0 0 5 1 1 0 5 9		Manifest Document No. 02131		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but may be required by State law.							
3. Generator's Name and Mailing Address PAS Participating Parties ATTN: Tony Gales C/O O'Brien & Gere, Inc. of North America, 5000 Britton Road, PO BOX 4873 Syracuse, NY 13221 Generator's Phone # 315-437-8100						A. State Manifest Document Number <b>CT F 1206506</b>									
5. Transporter 1 Company Name Clean Harbors Env Services Inc.						6. US EPA ID Number M A D 0 3 8 3 2 2 2 5 0									
7. Transporter 2 Company Name						8. US EPA ID Number									
9. Designated Facility Name and Site Address Clean Harbors Of Conn Inc 51 Broderick Road Bristol, CT, 06010						10. US EPA ID Number C T D 0 0 0 5 0 4 4 8 8									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		Waste No.			
a. RQ, WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (XYLENE,ETHYLBENZENE), 9, UN3082, PG III (F039)						No.		Type				EPA 039 STATE			
												EPA STATE			
												EPA STATE			
												EPA STATE			
J. Additional Descriptions for Materials Listed Above ERG#171 (L,C,T)						K. Handling Codes for Wastes Listed Above									
a.						Interim		Final		Interim		Final			
b.								123							
15. Special Handling Instructions and Additional Information 11a. CH909008						EMERGENCY PHONE # (800) 483-3718									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						Printed/Typed Name AS AGENT MARTIN KOENNECKE						Signature [Signature]		Month Day Year 12-9-2206	
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name [Signature]						Signature [Signature]		Month Day Year 09-22-05	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name Melvyn D. KIAN						Signature [Signature]		Month Day Year 12-22-05	

*ATTACHMENT A-4*

*WASTE TREATMENT/DISPOSAL CERTIFICATIONS*

# PAS Oswego Site Truck Unloading Verification Form

## Unloading Facility Clean Harbors Bristol, CT

Date; July 13, 2005

Manifest #; CTF1219236 Estimated Gallons; 4,700

Truck # or plate; Tractor 1173, Trailer 3102

Driver; Eric Judd

Stick Measurement:

Loading; 46"

Unloading; Facility tank measurement only, tankers not stick measured at facility, Tank measurement = approx 4,700 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,700

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; July 13, 2005

Manifest #; CTF1219235 Estimated Gallons; 5,400

Truck # or plate; Tractor 1244, Trailer 3107

Driver; Jose Fartura

Stick Measurement:

Loading; 53.75"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,400 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,400

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

### PAS Oswego Site Truck Unloading Verification Form

#### Unloading Facility Clean Harbors Bristol, CT

Date; August 3, 2005

Manifest #; CTF1204618 Estimated Gallons; 5,050

Truck # or plate; Tractor 1192, Trailer 3107

Driver; Jeff Carpenter

Stick Measurement:

Loading; 49.5"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,050 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,050

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

### PAS Oswego Site Truck Unloading Verification Form

#### Unloading Facility Clean Harbors Bristol, CT

Date; August 3, 2005

Manifest #; CTF1204617 Estimated Gallons; 4,975

Truck # or plate; Tractor 1141, Trailer 3134

Driver; Robert Van Campen

Stick Measurement:

  Loading; 59.5"

  Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,975 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,975

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss

5000 Brittonfield Parkway,

P.O. Box 4873,

Syracuse, New York 13221-4873

(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com



**O'BRIEN & GERE**

## PAS Oswego Site Truck Unloading Verification Form

### Unloading Facility Clean Harbors Bristol, CT

Date; September 22, 2005

Manifest #; CTF1206506 Estimated Gallons; 5,000

Truck # or plate; Tractor 1141, Trailer 3134

Driver; Robert Van Campen

Stick Measurement:

Loading; 58.5"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,000 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,000

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss

5000 Brittonfield Parkway,

P.O. Box 4873,

Syracuse, New York 13221-4873

(315) 437-6100 / FAX (315) 463-7554 • [geissaj@obg.com](mailto:geissaj@obg.com)





**O'BRIEN & GERE**

**RECEIVED**

SEP 28 2005

**O'BRIEN & GERE**

PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; September 22, 2005

Manifest #: CTF1206501 Estimated Gallons; 4,672

Truck # or plate; Tractor 1244, Trailer 3102

Driver; Jose Fartura

Stick Measurement:

Loading; 45"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,672 gallons

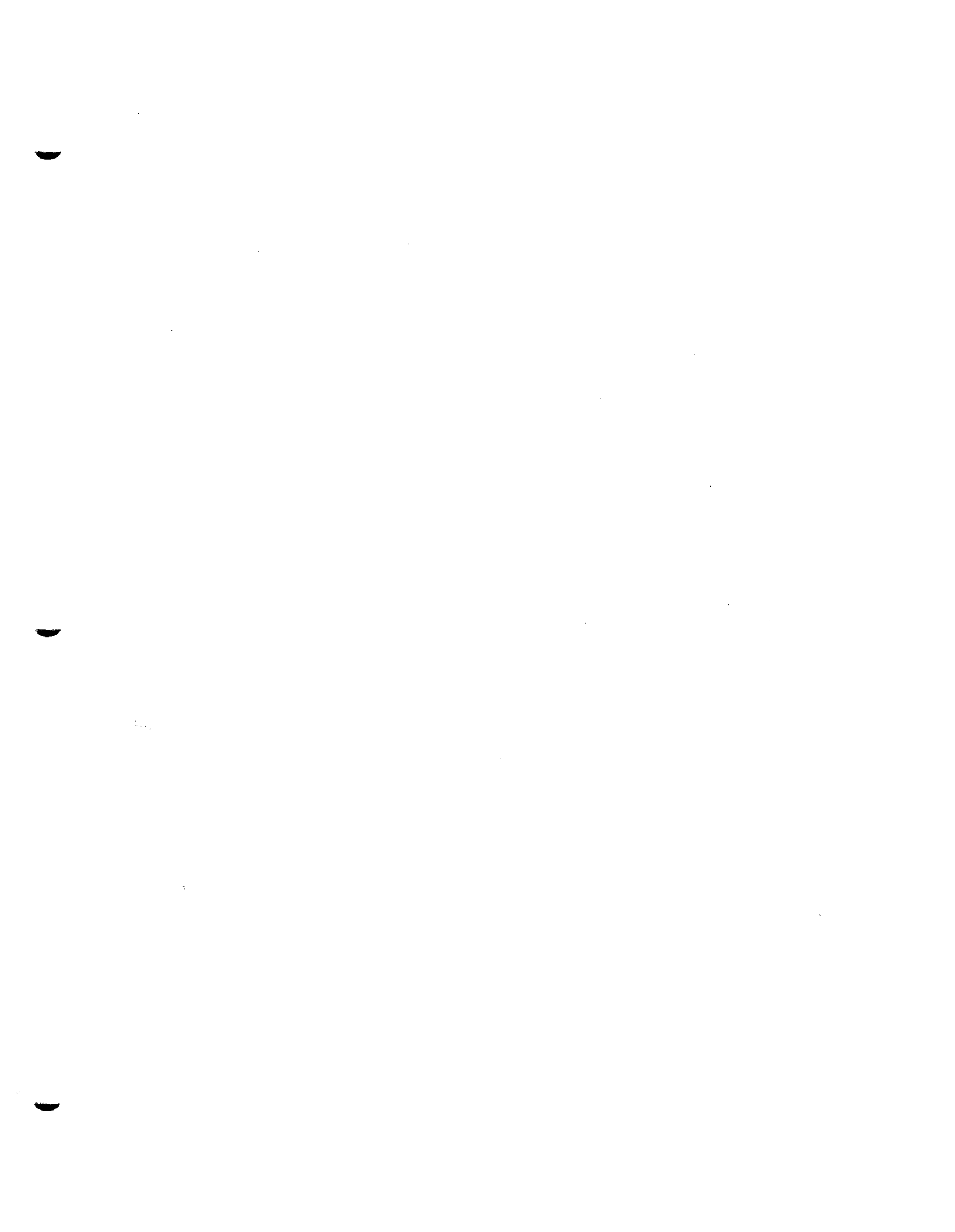
Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,672

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com



**ANNUAL PROGRESS REPORT – 4th Quarter 2005**  
*Operation, Maintenance and Long-term Monitoring Activities*

**PROJECT NAME:** *Pollution Abatement Services Site  
Oswego, New York*

**PERIOD COVERED:** OCTOBER- DECEMBER 2005

**ACTIONS COMPLETED DURING QUARTER:**

- Removal activities were conducted at the PAS Oswego Site in accordance with the Operation, Maintenance and Long-term Monitoring Activities Plan (BBL, 1998) (Work Plan). A total of 29,593 gallons of leachate was removed during the period October through December of 2005. Specific quantities of leachate removed during each month, along with removal dates and manifest numbers, are described in this progress report under the section entitled "Documentation of Removal Activities". Subsequent to each of these events, leachate and ground water was disposed of at the Clean Harbors facility in Bristol Connecticut. Clean Harbors Environmental Services provided the transportation of the waste.
- Routine ground-water elevation monitoring was performed on October 3, November 7, and December 5, 2005.
- On November 7, 2005, quarterly ground-water elevation monitoring was also performed. Quarterly ground-water elevation results for the M-series and LR-series monitoring wells indicated upward vertical gradients calculated for the leachate collection well LCW-4 area were more than 1.5 feet per foot. Therefore leachate removal activities were conducted at LCW locations (not including LCW-4) during the period October through December 2005, in accordance with the November 15, 1999 leachate removal protocol.
- The semi-annual ground water and leachate quality sampling was conducted on November 7 and 8, 2005. A summary of these sampling results, along with historical sampling results, is presented in Figure 1 - Historical VOC Concentrations (See Attachment I-D). The semi-annual laboratory results, along with data validation results, are included in Attachment B-5, Semi-Annual Monitoring Lab Reports (November 2005).
- Site maintenance activities were conducted on October 24, November 30, and December 27, 2005, which included inspection of spill control materials, perimeter fencing, and monitoring wells, as well as cleanup of the storage shed and clearing of any debris accumulated in the concrete surface drainage trenches. Also a coat of paint was applied to the steel roof that covers the transfer tank. These maintenance activities were performed in accordance with the approved Work Plan.
- A site inspection was performed by *de maximis* on November 15, 2005 in conjunction with the leachate removal activities. The site appeared well maintained and the observed use and conditions of properties down-gradient of the site, as identified in the Institutional Control Implementation Plan, generally appeared unchanged.

- A list of 19 monitoring wells proposed for abandonment was submitted electronically by *de maximis* to EPA on November 2, 2005. EPA provided a November 9, 2005 letter outlining its response to the November 2<sup>nd</sup> well abandonment request. The November 2<sup>nd</sup> request and EPA's November 9<sup>th</sup> response were discussed on a November 14, 2005 conference call that included PSD and EPA representatives. As a result of the discussions on this conference call, *de maximis* submitted a December 20, 2005 letter to EPA providing a response to EPA's November 9<sup>th</sup> request that certain additional wells be monitored down-gradient of the slurry wall containment system. The December 20<sup>th</sup> letter proposed two rounds of additional groundwater sampling to be done in April and May of 2006 at three down-gradient bedrock monitoring wells M-22, M-23 and OD-3 that are not part of the ongoing long-term monitoring program. The goal of this additional sampling would be to improve the understanding of the bedrock groundwater conditions as the plume continues to shrink and to supplement the long-term monitoring data collected at the Site. The December 20<sup>th</sup> letter also further clarified the goal of the proposed well abandonment program, which is to abandon all existing monitoring wells north of Mitchell Street as well as those specific wells south of Mitchell Street that are no longer useful in long-term monitoring activities. EPA's January 25, 2006 letter approved the proposed additional sampling activities described in the December 20<sup>th</sup> letter.
- Continued negotiations with Industrial Precision Products (IPP) and their lien-holders regarding the procurement of institutional controls for the two westerly parcels on IPP's property at 350 Mitchell Street. Concerns were raised to EPA regarding the apparent lack of responsiveness of IPP and one of their lien-holders to allow successful completion of negotiation of required institutional controls for the IPP property. A conference call was held with EPA on October 12, 2006 to express these concerns and to request assistance from EPA to help resolve the delay in completing institutional control negotiations with IPP and one of their lien-holders. EPA asked to be kept informed of the progress, or lack thereof, in completing these negotiations.

**RESULTS OF FIELD ACTIVITIES:**

- Ground-water elevation data collected on October 3, November 7, and December 5, 2005. are attached, (See Attachment B-1).
- The routine leachate disposal and site inspection checklists for the 4<sup>th</sup> quarter of 2005 are attached (See Attachment B-2).

**DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:**

- Hazardous Waste Manifests for the 4<sup>th</sup> quarter of 2005 (See Attachment B-3)
- Waste Treatment/Disposal Certifications for the 4<sup>th</sup> quarter of 2005 (See Attachment B-4)

***OCTOBER 2005***

October 13, 2005

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1212774	4,773	10/13/05
CTF1212775	5,000	10/13/05

***October 2005 Total = 9,773 gallons***

***NOVEMBER 2005***

November 9, 2005

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1113243	5,012	11/9/05
CTF0201484	4,975	11/9/05

***November 2005 Total = 9,987 gallons***

***DECEMBER 2005***

December 7, 2005

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1207072	4,798	12/07/05
CTF1207071	5,035	12/07/05

***December 2005 Total = 9,833 gallons***

• **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter  
under OMM Plan - *October through December 2005*

**29,593**

• LEACHATE DISPOSAL DOCUMENTATION

October 13, 2005

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1212774	10/13/05
Attached	CTF1212775	10/13/05

November 9, 2005

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1113243	11/9/05
Attached	CTF0201484	11/9/05

December 7, 2005

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1207071	12/7/05
Attached	CTF1207072	12/7/05

***ATTACHMENT B-1***  
***GROUND-WATER ELEVATION DATA***



**OBG Inc. of North America**  
**PAS Site**  
**Oswego, New York**  
Pre-Pumping Monitoring Well Levels  
**10/03/2005**

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range?		Ground-Water Elevation	Reading 3
							Yes	No		
SWW1	286.20	289.33	10.90	10.57	10.57	8.28 to 10.66	x		278.76	
SWW2	286.30	289.37	16.78	16.84	16.84	14.57 to 15.80		x	272.53	16.84
SWW3	286.00	286.50	17.55	17.63	17.63	16.02 to 17.18		x	268.87	17.63
SWW4	282.90	283.60	17.25	16.40	16.40	13.10 to 16.81	x		267.20	
SWW5	275.90	277.02	12.70	12.78	12.78	12.08 to 13.12	x		264.24	
SWW6	270.90	273.06	9.86	9.42	9.42	7.72 to 9.95	x		263.64	
SWW7	273.30	277.93	9.05	9.22	9.22	7.15 to 8.28		x	268.71	9.22
SWW8	275.70	278.24	10.05	8.76	8.76	3.48 to 5.42		x	269.48	8.76
SWW9	283.30	285.55	18.98	19.34	19.34	15.68 to 17.13		x	266.21	19.34
SWW10	279.30	280.43	17.84	17.45	17.45	8.98 to 13.66		x	262.98	17.45
SWW11	271.00	273.50	9.17	9.27	9.27	7.98 to 9.03		x	264.23	9.27
SWW12	270.20	272.82	14.93	14.20	14.20	8.02 to 10.86		x	258.62	14.20
LCW-1	271.40	272.21	7.66	7.70	7.70	7.11 to 8.30	x		264.51	
LCW-2	272.60	274.44	9.90	9.92	9.92	9.35 to 10.58	x		264.52	
LCW-3	283.30	284.36	19.18	19.00	19.00	17.80 to 19.12	x		265.36	
LCW-4	283.80	285.70	17.75	18.60	18.60	16.30 to 17.80		x	267.10	18.60

**OBG Inc. of North America**  
**PAS Site**  
**Oswego, New York**  
Pre-Pumping Monitoring Well Levels  
**11/07/2005**  
**08:00 AM**

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW		Within Range?		Ground-Water Elevation	Reading 3
						Min	Max	Yes	No		
SWW1	286.20	289.33	10.90	9.44	9.44	10.26	11.40		x	279.89	9.44
SWW2	286.30	289.37	16.78	16.32	16.32	15.75	17.28	x		273.05	
SWW3	286.00	286.50	17.55	17.28	17.28	16.68	18.05	x		269.22	
SWW4	282.90	283.60	17.25	15.12	15.12	16.58	17.75		x	268.48	15.12
SWW5	275.90	277.02	12.70	12.55	12.55	12.10	13.20	x		264.47	
SWW6	270.90	273.06	9.86	9.00	9.00	9.25	10.36		x	264.06	9.00
SWW7	273.30	277.93	9.05	8.93	8.93	8.14	9.55	x		269.00	
SWW8	275.70	278.24	10.05	5.35	5.35	8.22	10.55		x	272.89	5.35
SWW9	283.30	285.55	18.98	18.78	18.78	17.48	19.48	x		266.77	
SWW10	279.30	280.43	17.84	12.46	12.46	15.92	18.34		x	267.97	12.46
SWW11	271.00	273.50	9.17	8.81	8.81	8.38	9.67	x		264.69	
SWW12	270.20	272.82	14.93	9.90	9.90	14.05	15.43		x	262.92	9.90
LCW-1	271.40	272.21	7.66	7.42	7.42	7.02	8.16	x		264.79	
LCW-2	272.60	274.44	9.90	9.68	9.68	9.25	10.40	x		264.76	
LCW-3	283.30	284.36	19.18	18.85	18.85	18.36	19.68	x		265.51	
LCW-4	283.80	285.70	17.75	18.63	18.63	17.05	18.25		x	267.07	18.63
LR-2	287.50	289.85	15.80	13.90	13.90	13.10	16.30	x		275.95	
LR-3	275.50	278.06	10.78	9.12	9.12	7.40	11.28	x		268.94	
LR-6	270.90	274.39	12.73	11.08	11.08	9.58	13.23	x		263.31	
LR-8	270.00	273.42	12.20	11.60	11.60	9.35	12.70	x		261.82	
M-21	270.28	272.32	11.88	11.16	11.16	8.75	12.38	x		261.16	
M-22	270.40	273.88	11.90	10.72	10.72	9.29	12.40	x		263.16	
M-23	267.98	270.49	13.56	12.90	12.90	10.90	14.06	x		257.59	
M-24	276.49	277.94	16.57	15.51	15.51	13.80	17.07	x		262.43	
M-25	264.56	265.84	8.98	8.12	8.12	6.62	9.48	x		257.72	
M-26	271.85	273.38	10.05	9.12	9.12	7.38	11.40	x		264.26	

OBG Inc. of North America  
PAS Site  
Oswego, New York

Pre-Pumping Monitoring Well Levels  
12/05/2005

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW		Within Range?		Ground-Water Elevation	Reading 3
						Yes	No	Yes	No		
SWW1	286.20	289.33	9.44			10.26 to 11.40			x	289.33	0.00
SWW2	286.30	289.37	16.32			15.75 to 17.28			x	289.37	0.00
SWW3	286.00	286.50	17.28			16.68 to 18.05			x	286.50	0.00
SWW4	282.90	283.60	15.12			16.58 to 17.75			x	283.60	0.00
SWW5	275.90	277.02	12.55			12.10 to 13.20			x	277.02	0.00
SWW6	270.90	273.06	9.00			9.25 to 10.36			x	273.06	0.00
SWW7	273.30	277.93	8.93			8.14 to 9.55			x	277.93	0.00
SWW8	275.70	278.24	5.35			8.22 to 10.55			x	278.24	0.00
SWW9	283.30	285.55	18.78			17.48 to 19.48			x	285.55	0.00
SWW10	279.30	280.43	12.46			15.92 to 18.34			x	280.43	0.00
SWW11	271.00	273.50	8.81			8.38 to 9.67			x	273.50	0.00
SWW12	270.20	272.82	9.90			14.05 to 15.43			x	272.82	0.00
LCW-1	271.40	272.21	7.42			7.02 to 8.16			x	272.21	0.00
LCW-2	272.60	274.44	9.68			9.25 to 10.40			x	274.44	0.00
LCW-3	283.30	284.36	18.85			18.36 to 19.68			x	284.36	0.00
LCW-4	283.80	285.70	18.63			17.05 to 18.25			x	285.70	0.00

***ATTACHMENT B-2***

***SITE INSPECTION CHECKLIST AND LEACHATE DISPOSAL***

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 10-3-05

Time: 9:00

Personnel: MARTIN KOENNECKE

Weather: SUNNY 65°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	9-28-05	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	8"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	GOOD	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) NEED TO FINISH PAINTING OF TANK ROOF

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O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOENVECKE Time on Site: 7:30

Transportation Subcontractor: CLEAN HARBORS ENV. SERVICES INC

Leachate Destination: CLEAN HARBORS OF CONN. INC

Date: 10-13-05

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft Down)		
LCW-1	7:30	8:45	SEE BELOW			
LCW-2	7:30	8:45		↓		
LCW-3	7:30	8:45		↓		
LCW-4	7:30	8:45				

Leachate Holding Tank:

Initial Flow Meter Reading: START - 8" STOP 34.5" Pumped 26.5' (8080 gal) ÷ 75 min = 107 GPM  
 Final Flow Meter Reading: AFTER PUMP OUT - 3"  
31.5" PUMPED TO TRUCKS x 30.5 = 960.7 - GPM

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	8:50	Yes	9:15	46"	CTF 1212774	133 4773 gal
Load #2	9:30	Yes	10:25	57 1/2"	CTF 1212775	134 5,000
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 10-24-05

Time: 1230

Personnel: MARTIN KOENNECKE

Weather: RAIN SHOWERS 45°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	10-3-05	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	3"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	GOOD	
Perimeter Fence	OK	WORKED ON BRUSH
Site Access Drive	OK	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK	STOKED

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) NEED TO FINISH PAINTING TANK ROOF (WEATHER PERMITTING)  
WORKED ON FENCE BRUSH

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 11-7-05

Time: 8:30

Personnel: MARTIN KOENIGKE

Weather: P-Cloudy Windy

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	<u>10-24-05</u>	
Burrowing Animals	<u>None Visible</u>	
Cap Vegetation	<u>Good</u>	
Concrete Drainage Trough	<u>OK</u>	
French Drain	<u>OK</u>	
Weeds	<u>NA</u>	
<b>Leachate Collection System</b>		
Pumps	<u>Responding</u>	
Pump Controls/Alarms	<u>NA</u>	
Tank Level	<u>3"</u>	
<b>Monitoring Wells</b>		
Locks	<u>OK</u>	
Riser	<u>OK</u>	
Surface Completion	<u>NA</u>	
<b>General Site Conditions</b>		
Foliage	<u>Good</u>	
Perimeter Fence	<u>OK</u>	
Site Access Drive	<u>OK</u>	
Stream Gauges	<u>NA</u>	
<b>Other Items</b>		
Equipment Storage Shed	<u>OK</u>	
Fire Extinguisher	<u>Needs New Inspection</u>	<u>(will Replaced on 11-9-05)</u>
Spill Control Materials	<u>OK Stocked</u>	<u>Pump out</u>

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

STARTED Semi Annual Well Sampling  
11-7-05 finished 11-8-05

Road on back side of Landfill Being PAVED  
Well M-23 Has NOT Been Disturbed



O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN Keenacke

Time on Site: 10:00 AM

Transportation Subcontractor: CLEAN HABBOES ENVIRONMENTAL SERVICES INC.

Leachate Destination: CLEAN HABBOES BRISTOL CONN.

Date: 11-9-05

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft. Down)		
LCW-1	10:00	13:00	}			
LCW-2	10:00	13:00				
LCW-3	10:00	13:00				
LCW-4	NOT	Pumped				

$616 \text{ GPM} \times 180 \text{ min} = 10,980$

Leachate Holding Tank: START - 3" STOP - 39 pump - 36" x 305 = 10,980 ÷ 180 min = 61 GPM  
 Initial Flow Meter Reading: AFTER Pump out - 6" - LOADED 33" x 305 = 10,065 EST.  
 Final Flow Meter Reading:

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	2:30	Yes	4:00	58" 4975	CTF 0301184	135
Load #2	4:00	Yes	4:40	49" 5012	CTF 1113243	136
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 11-30-05

Time: 11:30

Personnel: MARTIN Koennecke

Weather: RAIN - 40"

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	11-7-05	
Burrowing Animals	None visible	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	⊗ see comments	Pumps 1 & 4 Responding
Pump Controls/Alarms	NA	
Tank Level	6"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	Good	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

Pumps 2 + 3 NOT Responding  
CHECKED control Panels Pump 2 had 2 loose wires  
and Fuse bad Replaced Fuse Tighten wires, Pump 2 Responding

Pump 3 - Breaker in Panel TRIPPED checked Fuses and wire  
connections, RETRIED Pump Running

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 12-5-05

Time: 14:00

Personnel: MARTIN KOENNECKE

Weather: SNOWING

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	11-30-05	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	SNOW COVERED	
Concrete Drainage Trough	" "	
French Drain	" "	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	6"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	SNOW COVERED	
Perimeter Fence	OK	
Site Access Drive	PLowed DRIVE	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) Plow site DRIVE

Located OD 3, OD 4 Took water levels r well Depths

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O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 12-29-05

Time: 10:00

Personnel: Martin Kowalek

Weather: overcast 32°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	<u>12-5-05</u>	
Burrowing Animals	<u>none visible</u>	
Cap Vegetation	<u>snow covered</u>	
Concrete Drainage Trough	<u>OK</u>	
French Drain	<u>OK</u>	
Weeds	<u>N/A</u>	
<b>Leachate Collection System</b>		
Pumps	<u>Resounding</u>	
Pump Controls/Alarms	<u>N/A</u>	
Tank Level	<u>6"</u>	
<b>Monitoring Wells</b>		
Locks	<u>OK</u>	
Riser	<u>OK</u>	
Surface Completion	<u>N/A</u>	
<b>General Site Conditions</b>		
Foliage	<u>snow covered</u>	
Perimeter Fence	<u>OK</u>	
Site Access Drive	<u>snow covered</u>	<u>Plowed site</u>
Stream Gauges	<u>N/A</u>	
<b>Other Items</b>		
Equipment Storage Shed	<u>OK</u>	
Fire Extinguisher	<u>OK</u>	
Spill Control Materials	<u>OK</u>	<u>Stucked</u>

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) Plowed site access

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***ATTACHMENT B-3***  
***HAZARDOUS WASTE MANIFESTS***

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

EPW 10/05/2005

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **NY00000011854** Manifest Document No. **001TT047736**

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address  
**PA3 Participating Parties  
ATTN: Tony Gales  
C/O O'Brien & Gere, Inc. of North America 300C Shennedy Pkwy PO BOX 4873  
47701**

A. State Manifest Document Number  
**CT F 1272774**

B. G.S.I. (Gen. Site Address)  
**50 Seneca Street  
Oswego, NY 13126**

5. Transporter 1 Company Name  
**Clean Harbor Env Services Inc**

6. US EPA ID Number  
**M.A.D. 0.3.0.3.2.2.5.0**

C. S.T.I. (Trans. Lic. Plate)  
**619473 ml**

D. Tran. Phone  
**781-249-1800**

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address  
**Clean Harbor Of Conn Inc  
51 Broderick Road  
Ormsklo, CT, 06010**

10. US EPA ID Number  
**C.T.D.0.0.0.0.0.0.0.0.0.0**

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone

G. State Facility's ID (Not Required)

H. Facility's Phone  
**(860) 453-8017**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. **RQ. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (XYLENE,ETHYLBENZENE), 9, UN2062, PG III (F039)**

12. Containers No. Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No. **EPA 039**

STATE

EPA

STATE

EPA

STATE

EPA

STATE

J. Additional Descriptions for Materials Listed Above  
**ERG#171 (LIT)**

K. Handling Codes for Wastes Listed Above

Interim Final Interim Final

a. **T23** c.

b. d.

15. Special Handling Instructions and Additional Information  
**EMERGENCY PHONE # (800) 483-6718  
11a. CH909009**

**46" = 4773**

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **AS agent  
MARTIN KOENNEKE**

Signature **[Signature]** Month Day Year **10/1/05**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name **JOSE M. FERRER, USA**

Signature **[Signature]** Month Day Year **10/1/05**

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest, excepting as noted in Item 19.

Printed/Typed Name **Nelwyn D. RIAN**

Signature **[Signature]** Month Day Year **10/1/05**

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP., OIL AND CHEMICAL SPILL RESPONSE AT (203) 486-5777.

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

PPW 12/05/2005

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **NYD00051185** Manifest Document No. **1212775**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address  
**PAS Participating Parties  
ATTN: Tony Geiss  
C/O O'Brien & Gere, Inc. of North America, 3000 Branford Place PO Box 4873  
Generator's Phone 15221**

A. State Manifest Document Number  
**CT F 1212775**

5. Transporter 1 Company Name **Clean Harbors Environmental Services Inc** 6. US EPA ID Number **HAD038322250**

B. G.S.I. (Gen. Site Address)  
**55 Seneca Street  
Orange, NY 13426**

7. Transporter 2 Company Name **Clean Harbors Environmental Services Inc** 8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #)  
**37687-111**  
D. Tran. Phone ( ) **609-1200**

9. Designated Facility Name and Site Address  
**Clean Harbors CT Conn Inc  
51 Broderick Road  
Bristol, CT, 06010** 10. US EPA ID Number **CTD000000148**

E. S.T.I. (Trans. Lic. Plate #)  
F. Tran. Phone ( )

G. State Facility's ID (Not Required)  
**543-9017**  
H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit W/Vol	1. Waste No.
	No.	Type			
a. <b>RG WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (XYLENE ETHYLBENZENE), 9, UN3092, PG III (F039)</b>	<b>001</b>	<b>TT05000 G</b>			<b>EPA F039</b> STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above  
**ERG#171 (LJM)**

K. Handling Codes for Wastes Listed Above  
Interim Final Interim Final  
a. **TR3** c.  
b. d.

15. Special Handling Instructions and Additional Information  
11a: **CF1909003**  
**EMERGENCY PHONE # (609) 433-3718**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.  
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.  
**ST. ck Road by Carter 37.50 min** Point of Departure:  
**NR NR**

Printed/Typed Name **MARTIN KOENIGKE** Signature **Martin Koeningke** Month Day Year **1-01-05**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name **Kohlman Company** Signature **[Signature]** Month Day Year **1-01-05**

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator for destination receipt of hazardous materials covered by this manifest except as noted in Item 19.  
Printed/Typed Name **William D. Ryan** Signature **William D. Ryan** Month Day Year **1-01-05**

IN THE EVENT OF AN OIL OR CHEMICAL SPILL RESPONSE AT (203) 556-7... WITHIN CONNECTICUT, CONTACT CT DEP... CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. FOR

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N.Y.D.0005114250
Manifest Document No. P.0150

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address: PAS PARTICIPATING PARTIES
ATTN: JERRY GELB
400 BARRINGTON STREET, SUITE 200, BARRINGTON, CT 06026

A. State Manifest Document Number: CT F 1113243

B. G.S.I. (Gen. Site Address)

5. Transporter 1 Company Name: CLEAN HAZARDOUS WASTE SERVICES INC
6. US EPA ID Number: N.Y.D.039322220

7. Transporter 2 Company Name
8. US EPA ID Number

C. S.T.I. (Trans. Lic. Plate #): 61943ME

D. Tran. Phone: (781) 351-1800

9. Designated Facility Name and Site Address: CLEAN HAZARDOUS WASTE OF CONN INC
51 CEDARHURK ROAD
BRISTOL, CT 06010
10. US EPA ID Number: N.Y.D.000684488

E. S.T.I. (Trans. Lic. Plate #)

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone: 860-583-3117

Table with 5 columns: 11. US DOT Description, 12. Containers No., 13. Total Quantity, 14. Unit Wt/Vol, 1. Waste No. Row a: RQ, WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (XYLENE, ETHYLENEGLYCOL, ANTIMONY TRIOXIDE) (F039) 001 TT 050.120 EPA STATE

J. Additional Descriptions for Materials Listed Above and K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information: IIA CH909003 W04 D21065143
Emergency # 800-483-3716

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: MARTIN KOENNECKE
Signature: Martin Koennecke
Month Day Year: 11/09/05

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Jeffrey CARPENTER
Signature: Jeffrey Carpenter
Month Day Year: 11/09/05

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JERRY GELB
Signature: Jerry Gelb
Month Day Year: 11/09/05

FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (203) 366-3337. CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802. IN THE EVENT OF A CATASTROPHIC SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802.



STATE OF CONNECTICUT 3127

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM, State Office Building  
Hartford, CT 06104

Please type (or print) (Form designed to be filled in by computer)

FOR TRANSPORT ONLY

IN THE EVENT OF A SPILL, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD, 1-800-424-8802. FOR SPILLS WITHIN CONNECTICUT, CONTACT CT DEP. 1-800-424-8802. GENERATOR FACILITY TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD0005-1165000127		2. Page 1 of 1		3. Manifest Document No. 135		4. Manifest Date 11/10/05		5. Manifest Title POLYESTER WASTE					
3. Generator's Name and Mailing Address PAS Participating Parties ATTN: JIM GIBBS C/O BOSTON WASTE SERVICE OF NORTH AMERICA 5000 E. 13th St Roxbury MA 02119				4. Generator's Phone (315) 437 6100				5. Transporter 1 Company Name Clean Waste Services Inc MA 02032-2250				6. US EPA ID Number MA 02032-2250			
7. Transporter 2 Company Name				8. US EPA ID Number				9. Designated Facility Name and Site Address C/O BOSTON WASTE SERVICE OF NORTH AMERICA 51 Broadwick Road Boston CT 06010				10. US EPA ID Number CT 00006-04-488			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.		16. EPA STATE			
a. RR Waste Environmentally Hazardous Substance LIQUID W/US (Xylene, Ethyl Benzene) UN3082 (P03) 00.1 TFC 4975 G				No. Type		Quantity		Wt/Vol		Waste No.		EPA STATE			
b.												EPA STATE			
c.												EPA STATE			
d.												EPA STATE			
J. Additional Descriptions for Materials Listed Above EPA # 171 (G+)				K. Handling Codes for Wastes Listed Above		Interim		Final		Interim		Final			
a. Leachate				c.		a.		b.		c.		d.			
b.				d.		a.		b.		c.		d.			
15. Special Handling Instructions and Additional Information Emergency # 1800 483 3716 11ACH90900B stick Resin 554 Cust w Resin/D-210 65140 Point of Departure:															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.				Printed/Typed Name MARTA KOENIGKE		Signature Marta Koenigke		Month Day Year 11 09 05							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name Robert Van Camp		Signature Robert Van Camp		Month Day Year 11 09 05							
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Month Day Year 11 09 05							
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Printed/Typed Name MARISSA HOGAN		Signature Marissa Hogan		Month Day Year 11 10 05							

3104

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

PPW 10/26/1995

Form type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

WITHIN CONNECTICUT, CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (203) 568-3333  
FOR SPILL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802.  
CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802.

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NYD0000011050	Manifest Document No. 00159	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.			
3. Generator's Name and Mailing Address: PAS Participating Parties ATTN: Tony Gallo C/O C Brian & Gary Inc. of North America, 6000 Seneca Street, PO Box 4873 Syracuse, NY 13221 4. Generator's Phone ( 315 437-8100				A. State Manifest Document Number <b>CT F 1277072</b>				
5. Transporter 1 Company Name Clean Harbors Env Services Inc				6. US EPA ID Number MA0030322250		B. G.S.I. (Gen. Site Address) 55 Seneca Street Oswego, NY 13126		
7. Transporter 2 Company Name				8. US EPA ID Number		C. S.T.I. (Trans. Lic. Plate #) 6194731A		
9. Designated Facility Name and Site Address Clean Harbors Of Conn Inc 51 Bradford Road Bristol, CT, 06010				10. US EPA ID Number CT00000604488		D. Tran. Phone ( 781 848-1800		
						E. S.T.I. (Trans. Lic. Plate #)		
						F. Tran. Phone ( )		
						G. State Facility's ID (Not Required)		
						H. Facility's Phone (800) 583-8917		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit W/Vol	15. Waste No.		
a. RG WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (XYLENE ETHYLBENZENE), 9, UN3082, PG III (F039)			No. Type			EPA 7039		
						STATE		
						EPA		
						STATE		
						EPA		
						STATE		
						EPA		
						STATE		
J. Additional Descriptions for Materials Listed Above ERG#111 (LIT)			K. Handling Codes for Wastes Listed Above					
a.			Interim		Final		Interim Final	
			183					
b.								
15. Special Handling Instructions and Additional Information EMERGENCY PHONE # (800) 453-3718								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.			Point of Departure: 46" = 4798					
Printed/Typed Name AS AGENT MARTIN KENNEDY			Signature Martin Kennedy		Month Day Year 11-20-79			
17. Transporter 1 Acknowledgement of Receipt of Materials			Printed/Typed Name JOSE M. MARTORA		Signature Jose M. Martora		Month Day Year 12-07-95	
18. Transporter 2 Acknowledgement of Receipt of Materials			Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space								
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. I have received this manifest and its contents and will accept the waste the generator is shipping.			Printed/Typed Name Walter V. Kean		Signature Walter V. Kean		Month Day Year 11-20-79	

IN THE EVENT OF A FACILITY

STATE OF CONNECTICUT

3134

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste Manifest Program
79 Elm St., Hartford, CT 06106-5127

PPW 10/20/2005

Form type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

Main manifest form containing sections 1-20: UNIFORM HAZARDOUS WASTE MANIFEST, Generator's Name, Transporter info, Facility info, Waste description, and signatures.

WITHIN CONNECTICUT, CONTACT CT DEP., OIL AND CHEMICAL SPILL RESPONSE AT (203) 566-3333

FOR SPILL RESPONSE, CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802

IN THE EVENT OF A SPILL

***ATTACHMENT B-4***

***WASTE TREATMENT/DISPOSAL CERTIFICATIONS***

PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; October 13, 2005

Manifest #; CTF1212774 Estimated Gallons; 4,773

Truck # or plate; Tractor 1244, Trailer 3104

Driver; Joe Fartura

Stick Measurement:

Loading; 46.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,773 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,773

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss

5000 Brittonfield Parkway,

P.O. Box 4873,

Syracuse, New York 13221-4873

(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

# PAS Oswego Site Truck Unloading Verification Form

## Unloading Facility Clean Harbors Bristol, CT

Date; October 13, 2005

Manifest #; CTF1212775 Estimated Gallons; 5,000

Truck # or plate; Tractor 1141, Trailer 3134

Driver; Robert Van Campen

Stick Measurement:

Loading; 57.5"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,000 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,000

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; November 9, 2005

Manifest #; CTF0201484 Estimated Gallons; 4,975

Truck # or plate; Tractor 1141, Trailer 3134

Driver; Bob VanCampen

Stick Measurement:

Loading; 58.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,975 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,975

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss

5000 Brittonfield Parkway,

P.O. Box 4873,

Syracuse, New York 13221-4873

(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; November 9, 2005

Manifest #; CTF1113243 Estimated Gallons; 5,012

Truck # or plate; Tractor 1192, Trailer 3104

Driver; Jeff Carpenter

Stick Measurement:

Loading; 49.5"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,012 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,012

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com



PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; December 7, 2005

Manifest #; CTF1207072 Estimated Gallons; 4,798

Truck # or plate; Tractor 1244, Trailer 3104

Driver; Joe Fartura

Stick Measurement:

Loading; 46.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,798 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,798

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; December 7, 2005

Manifest #; CTF1207071 Estimated Gallons; 5,035

Truck # or plate; Tractor 1141, Trailer 3134

Driver; Bob VanCampen

Stick Measurement:

Loading; 58.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,798 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,035

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

***ATTACHMENT B-5***

***SEMI-ANNUAL MONITORING LAB REPORTS  
NOVEMBER 2005***

**Life Science Laboratories, Inc.**  
5000 Brittonfield Parkway, Suite 200  
East Syracuse, NY 13057 (315) 437-0200

December 14, 2005

Mr. Tony Geiss  
O'Brien & Gere Inc. of North America  
5000 Brittonfield Parkway  
PO Box 4873  
Syracuse, NY 13221-4873

TEL: (315) 437-6100

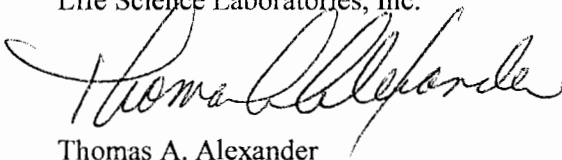
Project: PAS OSWEGO, NY  
RE: Analytical

Order No.: 0511061

Dear Mr. Geiss:

Life Science Laboratories, Inc. received 9 sample(s) on 11/8/2005 for the analyses presented in the following report.

Very truly yours,  
Life Science Laboratories, Inc.



Thomas A. Alexander  
Project Supervisor

# Laboratory Report

## Project Management Case Narrative

### INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for O'Brien & Gere Inc. of North America samples from the PAS site located in Oswego, NY. Samples were delivered to Life Science Laboratories, Inc. in Syracuse, NY, for analysis. Immediately following the narrative are the Work Order Sample Summary and Dates Report listing the site descriptions, sample numbers, date(s) collected, date(s) received, and package number(s).

### CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies, and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The hand-delivered, iced cooler temperature was 5°C.

### METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1
Biochemical Oxygen Demand	405.1	2
Chemical Oxygen Demand	410.4	2
Total Dissolved Solids	160.1	2
Total Organic Carbon	415.1	2
Total Suspended Solids	160.2	2

- 1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.
- 2) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983.

### QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

### RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

QA/QC Approver: \_\_\_\_\_

*Salma Kibler*

Date: \_\_\_\_\_

*12/15/05*

Total # of pages in this report: \_\_\_\_\_

*355*

## GC/MS Volatile Organics Case Narrative

Client: O'Brien & Gere Engineers, Inc.  
Project/Order: PAS Oswego, NY  
Work Order #: 0511061  
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): ASK 11-29-05

Supervisor/Reviewed by (Initials/Date): CR 11-29-05

QA/QC Review (Initials/Date): SL 12/6/05

File Name: G:\Narratives\MSVoa\0511061msvnr.doc

### GC/MS Volatile Organics

The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocab 3000 trap.

There were no excursions to note. All QC results were within established control limits.

### Holding Times and Sample Preservation

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

### Laboratory Control Sample

All spike recoveries met method and/or project specific QC criteria.

### MS/MSD

All spike recovery and RPD data met method and/or project specific QC criteria.

### Surrogate Standards

All surrogate standard recoveries met method and/or project specific QC criteria.

### Internal Standards

All internal standard areas met method and/or project specific QC criteria.

### Calibrations

All initial calibrations and calibration verifications met method and/or project specific QC criteria.

### Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

## Wet Chemistry Case Narrative

Client: OGINA PAS  
Project: PAS Oswego, NY  
Work Order #: 0511061  
Methodology: BOD 5 – EPA 415.1  
TDS – EPA 160.1  
TSS – EPA 160.2  
COD – EPA 410.4  
TOC – EPA 415.1

Analyzed/Reviewed by (Date/Initials): 12-09-05 mt

Supervisor/Reviewed by (Date/Initials): 12-09-05 mt

QA/QC Review (Date/Initials): 12/14/05 th

### Wet Chemistry

#### Holding Times

All samples were prepared and analyzed within the method and/or QAPP specified holding times.

#### Laboratory Control Sample

All spike recoveries met method and/or project specified QC criteria.

#### MS/MSD AND MS/MSD RPD

All spike recovery and RPD data met method and/or project specific QC criteria.

#### Sample Duplicate

All sample duplicate RPD data met method and/or project specific QC criteria.

#### Calibrations

All calibrations and calibration verifications met method and/or project specific QC criteria.

#### Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.



**CLIENT:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**Lab Order:** 0511061

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0511061-001A	Equipment Blank		11/7/2005 11:00:00 AM	11/8/2005
0511061-002A	Well M-21		11/8/2005 2:00:00 PM	11/8/2005
0511061-003A	Well LR-8		11/7/2005 4:15:00 PM	11/8/2005
0511061-004A	Well-26		11/7/2005 12:30:00 PM	11/8/2005
0511061-005A	Well M-25		11/8/2005 11:30:00 AM	11/8/2005
0511061-006A	Well LR-6		11/7/2005 3:00:00 PM	11/8/2005
0511061-007A	Well LCW-2		11/8/2005 9:05:00 AM	11/8/2005
0511061-007B	Well LCW-2		11/8/2005 9:05:00 AM	11/8/2005
0511061-007C	Well LCW-2		11/8/2005 9:05:00 AM	11/8/2005
0511061-008A	Well LCW-4		11/8/2005 9:45:00 AM	11/8/2005
0511061-008B	Well LCW-4		11/8/2005 9:45:00 AM	11/8/2005
0511061-008C	Well LCW-4		11/8/2005 9:45:00 AM	11/8/2005
0511061-009A	QC Trip Blanks		11/7/2005	11/8/2005

Lab Order: 0511061  
 Client: O'Brien & Gere Inc. of North America  
 Project: PAS Oswego, NY

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0511061-001A	Equipment Blank	11/7/2005 11:00:00 AM	Water	Volatile Organic Compounds by GC/MS			11/16/2005
0511061-002A	Well M-21	11/8/2005 2:00:00 PM		Volatile Organic Compounds by GC/MS			11/16/2005
0511061-003A	Well LR-8	11/7/2005 4:15:00 PM		Volatile Organic Compounds by GC/MS			11/16/2005
0511061-004A	Well-26	11/7/2005 12:30:00 PM		Volatile Organic Compounds by GC/MS			11/16/2005
0511061-005A	Well M-25	11/8/2005 11:30:00 AM		Volatile Organic Compounds by GC/MS			11/16/2005
0511061-006A	Well LR-6	11/7/2005 3:00:00 PM		Volatile Organic Compounds by GC/MS			11/16/2005
0511061-007A	Well LCW-2	11/8/2005 9:05:00 AM		Volatile Organic Compounds by GC/MS			11/17/2005
0511061-007B				BOD, 5 day			11/9/2005
				Residue, Suspended (TSS)			11/10/2005
				Total Dissolved Solids			11/10/2005
0511061-007C				COD			11/16/2005
				Total Organic Carbon			11/9/2005
0511061-008A	Well LCW-4	11/8/2005 9:45:00 AM		Volatile Organic Compounds by GC/MS			11/17/2005
0511061-008B				BOD, 5 day			11/9/2005
				Residue, Suspended (TSS)			11/10/2005
				Total Dissolved Solids			11/9/2005
0511061-008C				COD			11/16/2005
				Total Organic Carbon			11/9/2005
0511061-009A	QC Trip Blanks	11/7/2005		Volatile Organic Compounds by GC/MS			11/17/2005

## Chain of Custody

## External Chain of Custody

Client: O'Brien & Gere  
 Project: 30880 Semi Annual Well Samples  
 Sampled by: MARTIN KOENNECKE  
 Client Contact: TONY BEISS Phone # 2814

Sample Description				Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method			Comments
Sample Location			BOD, TSS, TDS						COB, TOC	8260 B		
Equipment Blank				11-7-05	11:00	water GRAB	GRAB	2				
well - 2b				11-7-05	12:30	water GRAB	GRAB	3				
well LR-6				11-7-05	15:00	water GRAB	GRAB	3				
well LR-8				11-7-05	16:15	water GRAB	GRAB	3				
well LCW-2				11-8-05	9:05	water GRAB	GRAB	5	1			
well LCW-4				11-8-05	9:45	water GRAB	GRAB	5	1			
well - M-25				11-8-05	11:30	water GRAB	GRAB	3				
well - M-21 (MS, MSD)				11-8-05	14:00	water GRAB	GRAB	9				
QC TRIP BLANKS								2				

Relinquished by: Martin Koennecke Date: 11-8-05 Time: 15:00 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received by: Sofiana Kibben Date: 11/8/05 Time: 15:00  
 Shipment Method: HAND Airbill Number: \_\_\_\_\_

Turnaround Time Required: \_\_\_\_\_  
 Routine  Rush (Specify) \_\_\_\_\_  
 Cooler Temperature: 5°C temp (Rec. on ice)  
 Comments: \_\_\_\_\_  
 Original - Laboratory Copy - Client

Sample Receipt Checklist

Client Name OGINA PAS

Date and Time Receive 11/8/2005 3:00:00 PM

Work Order Numbe 0511061

Received by Admin

Checklist completed by Gafanna Kullen 11/8/05

Reviewed by TRR 11.8.05

Matrix:

Carrier name Courier

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

Adjusted? pH was 7 Checked by SK 11/8/05  
adjusted to pH < 2 with H<sub>2</sub>SO<sub>4</sub>

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: Samples Rec. on ice - temp 5°C.  
All samples preserved with H<sub>2</sub>SO<sub>4</sub> had pH ≤ 2 except  
LCW-4 - pH was 7 - adjusted with H<sub>2</sub>SO<sub>4</sub> to pH ≤ 2.

Corrective Action \_\_\_\_\_

Client/Project 0511061 OGINA PAS

Sample Control Record						
Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
0511061-007,008	B		SB	11-9-05 11:00	BOD <sup>TDS</sup>	11-9-05 16:35
0511061-007,008	C		DD	11-9-05 16:30	TOC	11-9-05 19:00
0511061-007,008	B		SB	11-10-05 9:30	TSS	11-10-05 11:15
001-004	A		MSB	11-15-05 1:00	8000	NR
0511061-007,008	C		JS	11-15-05 15:57	COO	11-15-05 16:30
0511061-007,008C	C		JS	11-16-05 13:49	COO	11-16-05 16:30

## **Internal Chain of Custody**



## Analytical Results



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: MS02 12

ColumnID: Rtx-502.2

Revision: 11/21/05 8:21:48 A

Sample Size: 25 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0511061-007A

Client Sample ID: Well LCW-2

Collection Date: 11/08/05 9:05 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3515

FileID: 1-SAMP-M8290.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	10.2		2.50	0.20	µg/L	5	11/17/05 2:16 P
1,1,2,2-Tetrachloroethane	1.95	J	2.50	0.23	µg/L	5	11/17/05 2:16 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.50	0.24	µg/L	5	11/17/05 2:16 P
1,1,2-Trichloroethane	1.00	J	2.50	0.22	µg/L	5	11/17/05 2:16 P
1,1-Dichloroethane	95.7		2.50	0.11	µg/L	5	11/17/05 2:16 P
1,1-Dichloroethane	ND		2.50	0.11	µg/L	5	11/17/05 2:16 P
1,2,4-Trichlorobenzene	ND		5.00	0.67	µg/L	5	11/17/05 2:16 P
1,2-Dibromo-3-chloropropane	ND		5.00	1.10	µg/L	5	11/17/05 2:16 P
1,2-Dibromoethane	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
1,2-Dichlorobenzene	ND		2.50	0.34	µg/L	5	11/17/05 2:16 P
1,2-Dichloroethane	ND		2.50	0.09	µg/L	5	11/17/05 2:16 P
1,2-Dichloropropane	ND		2.50	0.24	µg/L	5	11/17/05 2:16 P
1,3-Dichlorobenzene	ND		2.50	0.10	µg/L	5	11/17/05 2:16 P
1,4-Dichlorobenzene	ND		2.50	0.20	µg/L	5	11/17/05 2:16 P
2-Butanone	ND		50.0	3.40	µg/L	5	11/17/05 2:16 P
2-Hexanone	ND		25.0	1.79	µg/L	5	11/17/05 2:16 P
4-Methyl-2-pentanone	ND		25.0	6.02	µg/L	5	11/17/05 2:16 P
Acetone	ND		50.0	1.15	µg/L	5	11/17/05 2:16 P
Benzene	13.6		2.50	0.08	µg/L	5	11/17/05 2:16 P
Bromodichloromethane	ND		2.50	0.12	µg/L	5	11/17/05 2:16 P
Bromoform	ND		2.50	0.67	µg/L	5	11/17/05 2:16 P
Bromomethane	ND		5.00	0.48	µg/L	5	11/17/05 2:16 P
Carbon disulfide	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
Carbon tetrachloride	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
Chlorobenzene	4.20		2.50	0.08	µg/L	5	11/17/05 2:16 P
Chloroethane	ND		5.00	0.42	µg/L	5	11/17/05 2:16 P
Chloroform	2.80		2.50	0.12	µg/L	5	11/17/05 2:16 P
Chloromethane	ND		5.00	0.17	µg/L	5	11/17/05 2:16 P
cis-1,2-Dichloroethene	6.45		2.50	0.20	µg/L	5	11/17/05 2:16 P
cis-1,3-Dichloropropene	ND		2.50	0.13	µg/L	5	11/17/05 2:16 P
Cyclohexane	ND		2.50	0.12	µg/L	5	11/17/05 2:16 P
Dibromochloromethane	ND		2.50	0.08	µg/L	5	11/17/05 2:16 P
Dichlorodifluoromethane	ND		5.00	0.15	µg/L	5	11/17/05 2:16 P
Ethylbenzene	2.40	J	2.50	0.12	µg/L	5	11/17/05 2:16 P

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

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



# Life Science Laboratories, Inc.

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East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: MS02 12

ColumnID: Rtx-502.2

Revision: 11/21/05 8:21:48 A

Sample Size: 25 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0511061-007A

Client Sample ID: Well LCW-2

Collection Date: 11/08/05 9:05 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3515

FileID: 1-SAMP-M8290.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8280B</b>			
Isopropylbenzene	ND		2.50	0.08	µg/L	5	11/17/05 2:16 P
Methyl acetate	ND		2.50	0.27	µg/L	5	11/17/05 2:16 P
Methyl tert-butyl ether	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
Methylcyclohexane	ND		2.50	0.14	µg/L	5	11/17/05 2:16 P
Methylene chloride	0.85	J	10.0	0.45	µg/L	5	11/17/05 2:16 P
Styrene	ND		2.50	0.08	µg/L	5	11/17/05 2:16 P
Tetrachloroethene	0.85	J	2.50	0.23	µg/L	5	11/17/05 2:16 P
Toluene	ND		2.50	0.08	µg/L	5	11/17/05 2:16 P
trans-1,2-Dichloroethene	0.80	J	2.50	0.20	µg/L	5	11/17/05 2:16 P
trans-1,3-Dichloropropene	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
Trichloroethene	4.80		2.50	0.16	µg/L	5	11/17/05 2:16 P
Trichlorofluoromethane	ND		5.00	0.09	µg/L	5	11/17/05 2:16 P
Vinyl chloride	5.80		5.00	0.16	µg/L	5	11/17/05 2:16 P
Xylenes (total)	ND		5.00	0.20	µg/L	5	11/17/05 2:16 P
Surr: 1,2-Dichloroethane-d4	94.2		75-134	0.23	%REC	5	11/17/05 2:16 P
Surr: 4-Bromofluorobenzene	107		75-125	0.34	%REC	5	11/17/05 2:16 P
Surr: Dibromofluoromethane	99.1		75-127	0.26	%REC	5	11/17/05 2:16 P
Surr: Toluene-d8	90.9		75-125	0.12	%REC	5	11/17/05 2:16 P

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

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



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# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America  
Project: PAS Oswego, NY  
W Order: 0511061  
Matrix: WATER

Lab ID: 0511061-008A  
Client Sample ID: Well LCW-4  
Collection Date: 11/08/05 9:45 A  
Date Received: 11/08/05 3:00 P

Inst. ID: MS02 12 Sample Size: 25 mL  
ColumnID: Rtx-502.2 %Moisture:  
Revision: 11/21/05 8:21:48 A TestCode: 8260W OLM42

PrepDate:  
BatchNo: R3515  
FileID: 1-SAMP-M8288.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	ND		25.0	2.05	µg/L	50	11/17/05 12:50 P
1,1,2,2-Tetrachloroethane	ND		25.0	2.30	µg/L	50	11/17/05 12:50 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	2.40	µg/L	50	11/17/05 12:50 P
1,1,2-Trichloroethane	ND		25.0	2.15	µg/L	50	11/17/05 12:50 P
1,1-Dichloroethane	59.5		25.0	1.10	µg/L	50	11/17/05 12:50 P
1,1-Dichloroethene	ND		25.0	1.10	µg/L	50	11/17/05 12:50 P
1,2,4-Trichlorobenzene	ND		50.0	6.70	µg/L	50	11/17/05 12:50 P
1,2-Dibromo-3-chloropropane	ND		50.0	11.0	µg/L	50	11/17/05 12:50 P
1,2-Dibromoethane	ND		25.0	1.60	µg/L	50	11/17/05 12:50 P
1,2-Dichlorobenzene	98.5		25.0	3.35	µg/L	50	11/17/05 12:50 P
1,2-Dichloroethane	ND		25.0	0.90	µg/L	50	11/17/05 12:50 P
1,2-Dichloropropane	ND		25.0	2.35	µg/L	50	11/17/05 12:50 P
1,3-Dichlorobenzene	ND		25.0	1.05	µg/L	50	11/17/05 12:50 P
1,4-Dichlorobenzene	6.00	J	25.0	1.95	µg/L	50	11/17/05 12:50 P
2-Butanone	ND		500	34.0	µg/L	50	11/17/05 12:50 P
2-Hexanone	ND		250	17.9	µg/L	50	11/17/05 12:50 P
4-Methyl-2-pentanone	ND		250	60.2	µg/L	50	11/17/05 12:50 P
Acetone	ND		500	11.5	µg/L	50	11/17/05 12:50 P
Benzene	379		25.0	0.85	µg/L	50	11/17/05 12:50 P
Bromodichloromethane	ND		25.0	1.15	µg/L	50	11/17/05 12:50 P
Bromoform	ND		25.0	6.70	µg/L	50	11/17/05 12:50 P
Bromomethane	ND		50.0	4.85	µg/L	50	11/17/05 12:50 P
Carbon disulfide	ND		25.0	1.60	µg/L	50	11/17/05 12:50 P
Carbon tetrachloride	ND		25.0	1.65	µg/L	50	11/17/05 12:50 P
Chlorobenzene	388		25.0	0.85	µg/L	50	11/17/05 12:50 P
Chloroethane	80.0		50.0	4.15	µg/L	50	11/17/05 12:50 P
Chloroform	ND		25.0	1.15	µg/L	50	11/17/05 12:50 P
Chloromethane	ND		50.0	1.70	µg/L	50	11/17/05 12:50 P
cis-1,2-Dichloroethene	182		25.0	1.95	µg/L	50	11/17/05 12:50 P
cis-1,3-Dichloropropene	ND		25.0	1.30	µg/L	50	11/17/05 12:50 P
Cyclohexane	15.0	J	25.0	1.25	µg/L	50	11/17/05 12:50 P
Dibromochloromethane	ND		25.0	0.85	µg/L	50	11/17/05 12:50 P
Dichlorodifluoromethane	ND		50.0	1.50	µg/L	50	11/17/05 12:50 P
Ethylbenzene	1190		25.0	1.25	µg/L	50	11/17/05 12:50 P

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 Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0511061

**Matrix:** WATER

**Inst. ID:** MS02 12

**Sample Size:** 25 mL

**ColumnID:** Rtx-502.2

**%Moisture:**

**Revision:** 11/21/05 8:21:48 A

**TestCode:** 8260W OLM42

**Lab ID:** 0511061-008A

**Client Sample ID:** Well LCW-4

**Collection Date:** 11/08/05 9:45 A

**Date Received:** 11/08/05 3:00 P

**PrepDate:**

**BatchNo:** R3515

**FileID:** 1-SAMP-M8288.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	5.00	J	25.0	0.75	µg/L	50	11/17/05 12:50 P
Methyl acetate	ND		25.0	2.70	µg/L	50	11/17/05 12:50 P
Methyl tert-butyl ether	ND		25.0	1.60	µg/L	50	11/17/05 12:50 P
Methylcyclohexane	ND		25.0	1.45	µg/L	50	11/17/05 12:50 P
Methylene chloride	ND		100	4.45	µg/L	50	11/17/05 12:50 P
Styrene	ND		25.0	0.85	µg/L	50	11/17/05 12:50 P
Tetrachloroethene	ND		25.0	2.30	µg/L	50	11/17/05 12:50 P
Toluene	458		25.0	0.80	µg/L	50	11/17/05 12:50 P
trans-1,2-Dichloroethene	ND		25.0	1.95	µg/L	50	11/17/05 12:50 P
trans-1,3-Dichloropropene	ND		25.0	1.55	µg/L	50	11/17/05 12:50 P
Trichloroethene	ND		25.0	1.55	µg/L	50	11/17/05 12:50 P
Trichlorofluoromethane	ND		50.0	0.90	µg/L	50	11/17/05 12:50 P
Vinyl chloride	81.0		50.0	1.55	µg/L	50	11/17/05 12:50 P
Xylenes (total)	2380		50.0	2.05	µg/L	50	11/17/05 12:50 P
Surr: 1,2-Dichloroethane-d4	92.2		75-134	2.25	%REC	50	11/17/05 12:50 P
Surr: 4-Bromofluorobenzene	105		75-125	3.45	%REC	50	11/17/05 12:50 P
Surr: Dibromofluoromethane	95.1		75-127	2.55	%REC	50	11/17/05 12:50 P
Surr: Toluene-d8	102		75-125	1.25	%REC	50	11/17/05 12:50 P

**Qualifiers:**

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

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



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# Analytical Results

StateCertNo: 10155

**CLIENT:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER  
**Inst. ID:** DO Meter  
**ColumnID:**  
**Revision:** 11/14/05

**Sample Size:** NA  
**%Moisture:**  
**TestCode:** BOD405.1

**Lab ID:** 0511061-007B  
**Client Sample ID:** Well LCW-2  
**Collection Date:** 11/08/05 9:05  
**Date Received:** 11/08/05 15:00  
**PrepDate:**  
**BatchNo:** R3412  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>BOD, 5 DAY</b>				<b>EPA 405.1</b>		
Biochemical Oxygen Demand	ND		5.0	mg/L	1	11/09/05 15:00

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 S Spike Recovery outside accepted recovery limits  
 E Value exceeds the instrument calibration range  
 J Analyte detected below the PQL  
 P Prim./Conf. column %D or RPD exceeds limit



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# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: DO Meter

ColumnID:

Revision: 11/14/05

Sample Size: NA

%Moisture:

TestCode BOD405.1

Lab ID: 0511061-008B

Client Sample ID: Well LCW-4

Collection Date: 11/08/05 9:45

Date Received: 11/08/05 15:00

PrepDate:

BatchNo: R3412

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>BOD, 5 DAY</b>				<b>EPA 405.1</b>		
Biochemical Oxygen Demand	56		5.0	mg/L	1	11/09/05 15:00

Qualifiers: B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 S Spike Recovery outside accepted recovery limits  
 E Value exceeds the instrument calibration range  
 J Analyte detected below the PQL  
 P Prim./Conf. column %D or RPD exceeds limit



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# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: GENESYS 20

Sample Size: NA

ColumnID:

%Moisture:

Revision: 11/17/05 10:45:26 A

TestCode: COD410.4

Lab ID: 0511061-007C

Client Sample ID: Well LCW-2

Collection Date: 11/08/05 9:05 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3486

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
COD				EPA 410.4			
Chemical Oxygen Demand	90	20		14	mg/L	2	11/16/05 12:00 A

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER  
**Inst. ID:** GENESYS 20  
**ColumnID:**  
**Revision:** 11/17/05 10:45:26 A

**Sample Size:** NA  
**%Moisture:**  
**TestCode:** COD410.4

**Lab ID:** 0511061-008C  
**Client Sample ID:** Well LCW-4  
**Collection Date:** 11/08/05 9:45 A  
**Date Received:** 11/08/05 3:00 P  
**PrepDate:**  
**BatchNo:** R3486  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>COD</b>				<b>EPA 410.4</b>			
Chemical Oxygen Demand	240		20	14	mg/L	2	11/16/05 12:00 A

**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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER  
**Inst. ID:** Mettler balance  
**ColumnID:**  
**Revision:** 11/11/05

**Sample Size:** NA  
**%Moisture:**  
**TestCode** TDS160.1

**Lab ID:** 0511061-007B  
**Client Sample ID:** Well LCW-2  
**Collection Date:** 11/08/05 9:05  
**Date Received:** 11/08/05 15:00  
**PrepDate:**  
**BatchNo:** R3400  
**FileID:** 0-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>TOTAL DISSOLVED SOLIDS</b>				<b>EPA 160.1</b>		
Total Dissolved Solids (Residue, Filterable)	1100	10		mg/L	1	11/10/05

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit



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## Analytical Results

StateCertNo: 10155

**CLIENT:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER  
**Inst. ID:** Mettler balance  
**ColumnID:**  
**Revision:** 11/10/05

**Sample Size:** NA  
**%Moisture:**  
**TestCode:** TDS160.1

**Lab ID:** 0511061-008B  
**Client Sample ID:** Well LCW-4  
**Collection Date:** 11/08/05 9:45  
**Date Received:** 11/08/05 15:00  
**PrepDate:**  
**BatchNo:** R3380  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
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**TOTAL DISSOLVED SOLIDS**

Total Dissolved Solids (Residue, Filterable)

1700 10

**EPA 160.1**

mg/L

1

11/09/05

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit



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## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: DC-190

ColumnID:

Revision: 11/10/05 2:34:29 P

Sample Size: NA

%Moisture:

TestCode: TOC415.1

Lab ID: 0511061-007C

Client Sample ID: Well LCW-2

Collection Date: 11/08/05 9:05 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3384

FileID: 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>TOTAL ORGANIC CARBON</b>				<b>EPA 415.1</b>			
Total Organic Carbon	26	1.0		0.30	mg/L	1	11/09/05 12:00 A

### Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



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## Analytical Results

StateCertNo: 10155

<b>CLIENT:</b> O'Brien & Gere Inc. of North America	<b>Lab ID:</b> 0511061-008C
<b>Project:</b> PAS Oswego, NY	<b>Client Sample ID:</b> Well LCW-4
<b>W Order:</b> 0511061	<b>Collection Date:</b> 11/08/05 9:45 A
<b>Matrix:</b> WATER	<b>Date Received:</b> 11/08/05 3:00 P
<b>Inst. ID:</b> DC-190	<b>Sample Size:</b> NA
<b>ColumnID:</b>	<b>%Moisture:</b>
<b>Revision:</b> 11/10/05 2:34:29 P	<b>TestCode:</b> TOC415.1
	<b>PrepDate:</b>
	<b>BatchNo:</b> R3384
	<b>FileID:</b> 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>TOTAL ORGANIC CARBON</b>				<b>EPA 415.1</b>			
Total Organic Carbon	68	10		3.0	mg/L	10	11/09/05 12:00 A

<b>Qualifiers:</b>	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 Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0511061

**Matrix:** WATER

**Inst. ID:** Mettler balance

**ColumnID:**

**Revision:** 11/11/05

**Sample Size:** NA

**%Moisture:**

**TestCode** TSS160.2

**Lab ID:** 0511061-007B

**Client Sample ID:** Well LCW-2

**Collection Date:** 11/08/05 9:05

**Date Received:** 11/08/05 15:00

**PrepDate:**

**BatchNo:** R3406

**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
<b>RESIDUE, SUSPENDED (TSS)</b>				<b>EPA 160.2</b>		
Residue, Suspended (TSS)	35	5.0		mg/L	1	11/10/05

**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		



# Life Science Laboratories, Inc.

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

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America  
Project: PAS Oswego, NY  
W Order: 0511061  
Matrix: WATER  
Inst. ID: Mettler balance  
ColumnID:  
Revision: 11/11/05

Sample Size: NA  
%Moisture:  
TestCode TSS160.2

Lab ID: 0511061-008B  
Client Sample ID: Well LCW-4  
Collection Date: 11/08/05 9:45  
Date Received: 11/08/05 15:00  
PrepDate:  
BatchNo: R3406  
FileID: 1-SAMP-

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
RESIDUE, SUSPENDED (TSS)				EPA 160.2		
Residue, Suspended (TSS)	150	5.0		mg/L	1	11/10/05

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

**O'BRIEN & GERE INC. OF NORTH AMERICA**

**Summary of Validated  
Analytical Results**



# Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, NY 12853

Phone (518) 251-4429

Facsimile (518) 251-4428

## LETTER OF TRANSMITTAL

TO: Tony Geiss

COMPANY: O'Brien & Gere of NA

FROM: Judy Harry 

DATE: 12-27-05

ENCLOSED: Validation report for PAS site

Associated qualified forms

Associated invoice

Associated lab data package

COMMENTS: Please add the PO number to the invoice, if necessary.

Ship via: US Express  UPS  US Priority  Fed Ex  Other

**LABORATORY SAMPLE IDs AND CASE NARRATIVES**

# Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

Facsimile 518-251-4428

December 23, 2005

Anthony Geiss  
O'Brien & Gere Inc. of North America  
5000 Brittonfield Parkway  
Syracuse, NY 13221

RE: Validation of PAS Site Data Packages  
OBG Laboratory report 0511061

Dear Mr. Geiss:

Review has been completed for the data package generated by OBG Laboratories that pertains to aqueous samples collected 11/07/05 and 11/08/05 at the Pollution Abatement Services Site. Five aqueous samples were analyzed for low level TCL volatiles by USEPA SW846 method 8260B. Matrix spikes/duplicates, and equipment and trip blanks were also processed. Validation was not required for data of leachate samples reported within the data package.

Data validation was performed with guidance from the most current editions of the USEPA Region II SOP HW-6 and the USEPA CLP National Functional Guidelines for Organic Data Review, with consideration for method and QAPP requirements. The following items were reviewed:

- \* Data Completeness
- \* Custody Documentation
- \* Holding Times
- \* Surrogate and Internal Standard Recoveries
- \* Matrix Spike Recoveries/Duplicate Correlations
- \* Preparation/Calibration Blanks
- \* Control Spike/Laboratory Control Samples
- \* Instrumental Tunes
- \* Calibration Standards
- \* Instrument IDLs
- \* Method Compliance
- \* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

**In summary**, sample processing was primarily conducted with compliance to protocol requirements and with adherence to quality criteria. Sample results are usable as reported, with the exception of the qualification of results for two ketones in the samples as being estimated in value. Copies of laboratory report forms are attached, reflecting the edits noted within this report. Also attached is a copy of the laboratory case narrative.

**Volatile Analyses by EPA 8260B**

Holding times, surrogate and internal standard recoveries, and instrumental tunes meet protocol/QAPP requirements. Equipment and trip blanks show no contamination. Method blanks show no contamination of analytes detected in these validated samples.

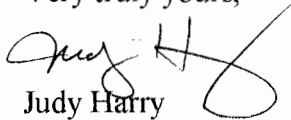
Calibration standard responses are within validation guidelines, with the exception of low response factors for acetone and 2-butanone. Results for these two compounds in the samples are qualified as estimated (“UJ” or “J”), although the level of bias is not expected to be great.

Matrix spikes of M-21 evaluate all target analytes, and all recoveries and duplicate correlation values are acceptable. Associated Laboratory Control Sample recoveries are also acceptable.

Processing was compliant, and results are substantiated by the raw data.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

  
Judy Harry

## **VALIDATION QUALIFIER DEFINITIONS**

## DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U** - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N** - The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ** - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ** - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

## Project Management Case Narrative

### INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for O'Brien & Gere Inc. of North America samples from the PAS site located in Oswego, NY. Samples were delivered to Life Science Laboratories, Inc. in Syracuse, NY, for analysis. Immediately following the narrative are the Work Order Sample Summary and Dates Report listing the site descriptions, sample numbers, date(s) collected, date(s) received, and package number(s).

### CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies, and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The hand-delivered, iced cooler temperature was 5°C.

### METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1
Biochemical Oxygen Demand	405.1	2
Chemical Oxygen Demand	410.4	2
Total Dissolved Solids	160.1	2
Total Organic Carbon	415.1	2
Total Suspended Solids	160.2	2

- 1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.
- 2) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983.

### QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

### RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

QA/QC Approver: \_\_\_\_\_

*Hafema Kibler*

Date: \_\_\_\_\_

*12/15/05*

Total # of pages in this report: \_\_\_\_\_

*355*

## GC/MS Volatile Organics Case Narrative

Client: O'Brien & Gere Engineers, Inc.  
Project/Order: PAS Oswego, NY  
Work Order #: 0511061  
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): ASK 11-29-05

Supervisor/Reviewed by (Initials/Date): CR 11-29-05

QA/QC Review (Initials/Date): SL 12/1/05

File Name: G:\Narratives\MSVoa\0511061msvnr.doc

### GC/MS Volatile Organics

The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocarb 3000 trap.

There were no excursions to note. All QC results were within established control limits.

### Holding Times and Sample Preservation

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

### Laboratory Control Sample

All spike recoveries met method and/or project specific QC criteria.

### MS/MSD

All spike recovery and RPD data met method and/or project specific QC criteria.

### Surrogate Standards

All surrogate standard recoveries met method and/or project specific QC criteria.

### Internal Standards

All internal standard areas met method and/or project specific QC criteria.

### Calibrations

All initial calibrations and calibration verifications met method and/or project specific QC criteria.

### Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.



## Wet Chemistry Case Narrative

Client: OGINA PAS  
Project: PAS Oswego, NY  
Work Order #: 0511061  
Methodology: BOD 5 - EPA 415.1  
TDS - EPA 160.1  
TSS - EPA 160.2  
COD - EPA 410.4  
TOC - EPA 415.1

Analyzed/Reviewed by (Date/Initials): 12-09-05 mt

Supervisor/Reviewed by (Date/Initials): 12-09-05 mt

QA/QC Review (Date/Initials): 12/14/05 dk

### Wet Chemistry

#### Holding Times

All samples were prepared and analyzed within the method and/or QAPP specified holding times.

#### Laboratory Control Sample

All spike recoveries met method and/or project specified QC criteria.

#### MS/MSD AND MS/MSD RPD

All spike recovery and RPD data met method and/or project specific QC criteria.

#### Sample Duplicate

All sample duplicate RPD data met method and/or project specific QC criteria

#### Calibrations

All calibrations and calibration verifications met method and/or project specific QC criteria.

#### Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

**QUALIFIED REPORT FORMS**



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 11/17/05 9:54:39 A

TestCode: 8260W OLM42

Lab ID: 0511061-001A

Client Sample ID: *Equipment Blank*

Collection Date: 11/07/05 11:00 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3482

FileID: 1-SAMP-M8275.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 2:35 P
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	11/16/05 2:35 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	11/16/05 2:35 P
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 2:35 P
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	11/16/05 2:35 P
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	11/16/05 2:35 P
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	11/16/05 2:35 P
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	11/16/05 2:35 P
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	11/16/05 2:35 P
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	11/16/05 2:35 P
2-Butanone	ND	J	10.0	0.68	µg/L	1	11/16/05 2:35 P
2-Hexanone	ND		5.00	0.36	µg/L	1	11/16/05 2:35 P
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	11/16/05 2:35 P
Acetone	ND	J	10.0	0.23	µg/L	1	11/16/05 2:35 P
Benzene	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
Bromodichloromethane	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
Bromoform	ND		0.50	0.13	µg/L	1	11/16/05 2:35 P
Bromomethane	ND		1.00	0.10	µg/L	1	11/16/05 2:35 P
Carbon disulfide	ND		0.50	0.03	µg/L	1	11/16/05 2:35 P
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	11/16/05 2:35 P
Chlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
Chloroethane	ND		1.00	0.08	µg/L	1	11/16/05 2:35 P
Chloroform	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
Chloromethane	ND		1.00	0.03	µg/L	1	11/16/05 2:35 P
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 2:35 P
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 2:35 P
Cyclohexane	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
Dibromochloromethane	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	11/16/05 2:35 P
Ethylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 2:35 P

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

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



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 11/17/05 9:54:39 A

TestCode: 8260W OLM42

Lab ID: 0511061-001A

Client Sample ID: *Equipment Blank*

Collection Date: 11/07/05 11:00 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3482

FileID: 1-SAMP-M8275.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	ND	0.50	0.02	µg/L	1	11/16/05 2:35 P	
Methyl acetate	ND	0.50	0.05	µg/L	1	11/16/05 2:35 P	
Methyl tert-butyl ether	ND	0.50	0.03	µg/L	1	11/16/05 2:35 P	
Methylcyclohexane	ND	0.50	0.03	µg/L	1	11/16/05 2:35 P	
Methylene chloride	ND	2.00	0.09	µg/L	1	11/16/05 2:35 P	
Styrene	ND	0.50	0.02	µg/L	1	11/16/05 2:35 P	
Tetrachloroethene	ND	0.50	0.05	µg/L	1	11/16/05 2:35 P	
Toluene	ND	0.50	0.02	µg/L	1	11/16/05 2:35 P	
trans-1,2-Dichloroethene	ND	0.50	0.04	µg/L	1	11/16/05 2:35 P	
trans-1,3-Dichloropropene	ND	0.50	0.03	µg/L	1	11/16/05 2:35 P	
Trichloroethene	ND	0.50	0.03	µg/L	1	11/16/05 2:35 P	
Trichlorofluoromethane	ND	1.00	0.02	µg/L	1	11/16/05 2:35 P	
Vinyl chloride	ND	1.00	0.03	µg/L	1	11/16/05 2:35 P	
Xylenes (total)	ND	1.00	0.04	µg/L	1	11/16/05 2:35 P	
Surr: 1,2-Dichloroethane-d4	94.2	75-134	0.04	%REC	1	11/16/05 2:35 P	
Surr: 4-Bromofluorobenzene	101	75-125	0.07	%REC	1	11/16/05 2:35 P	
Surr: Dibromofluoromethane	98.7	75-127	0.05	%REC	1	11/16/05 2:35 P	
Surr: Toluene-d8	96.2	75-125	0.02	%REC	1	11/16/05 2:35 P	

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 Inc. of North America  
Project: PAS Oswego, NY  
W Order: 0511061  
Matrix: WATER

Lab ID: 0511061-002A  
Client Sample ID: Well M-21  
Collection Date: 11/08/05 2:00 P  
Date Received: 11/08/05 3:00 P

Inst. ID: MS02 12 Sample Size: 25 mL  
ColumnID: Rtx-502.2 %Moisture:  
Revision: 11/17/05 9:54:39 A TestCode: 8260W OLM42

PrepDate:  
BatchNo: R3482  
FileID: 1-SAMP-M8276.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 3:18 P
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	11/16/05 3:18 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	11/16/05 3:18 P
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 3:18 P
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	11/16/05 3:18 P
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	11/16/05 3:18 P
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	11/16/05 3:18 P
1,2-Dichlorobenzene	0.13	J	0.50	0.07	µg/L	1	11/16/05 3:18 P
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	11/16/05 3:18 P
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	11/16/05 3:18 P
2-Butanone	ND	J	10.0	0.68	µg/L	1	11/16/05 3:18 P
2-Hexanone	ND		5.00	0.36	µg/L	1	11/16/05 3:18 P
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	11/16/05 3:18 P
Acetone	ND	J	10.0	0.23	µg/L	1	11/16/05 3:18 P
Benzene	2.87		0.50	0.02	µg/L	1	11/16/05 3:18 P
Bromodichloromethane	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
Bromoform	ND		0.50	0.13	µg/L	1	11/16/05 3:18 P
Bromomethane	ND		1.00	0.10	µg/L	1	11/16/05 3:18 P
Carbon disulfide	ND		0.50	0.03	µg/L	1	11/16/05 3:18 P
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	11/16/05 3:18 P
Chlorobenzene	1.00		0.50	0.02	µg/L	1	11/16/05 3:18 P
Chloroethane	2.68		1.00	0.08	µg/L	1	11/16/05 3:18 P
Chloroform	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
Chloromethane	ND		1.00	0.03	µg/L	1	11/16/05 3:18 P
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 3:18 P
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 3:18 P
Cyclohexane	0.41	J	0.50	0.02	µg/L	1	11/16/05 3:18 P
Dibromochloromethane	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	11/16/05 3:18 P
Ethylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER

**Lab ID:** 0511061-002A  
**Client Sample ID:** Well M-21  
**Collection Date:** 11/08/05 2:00 P  
**Date Received:** 11/08/05 3:00 P

**Inst. ID:** MS02 12      **Sample Size:** 25 mL  
**ColumnID:** Rtx-502.2      **%Moisture:**  
**Revision:** 11/17/05 9:54:39 A      **TestCode:** 8260W OLM42

**PrepDate:**  
**BatchNo:** R3482  
**FileID:** 1-SAMP-M8276.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	0.37	J	0.50	0.02	µg/L	1	11/16/05 3:18 P
Methyl acetate	ND		0.50	0.05	µg/L	1	11/16/05 3:18 P
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	11/16/05 3:18 P
Methylcyclohexane	ND		0.50	0.03	µg/L	1	11/16/05 3:18 P
Methylene chloride	ND		2.00	0.09	µg/L	1	11/16/05 3:18 P
Styrene	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
Tetrachloroethene	ND		0.50	0.05	µg/L	1	11/16/05 3:18 P
Toluene	ND		0.50	0.02	µg/L	1	11/16/05 3:18 P
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 3:18 P
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 3:18 P
Trichloroethene	ND		0.50	0.03	µg/L	1	11/16/05 3:18 P
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	11/16/05 3:18 P
Vinyl chloride	ND		1.00	0.03	µg/L	1	11/16/05 3:18 P
Xylenes (total)	ND		1.00	0.04	µg/L	1	11/16/05 3:18 P
Surr: 1,2-Dichloroethane-d4	94.9		75-134	0.04	%REC	1	11/16/05 3:18 P
Surr: 4-Bromofluorobenzene	101		75-125	0.07	%REC	1	11/16/05 3:18 P
Surr: Dibromofluoromethane	98.0		75-127	0.05	%REC	1	11/16/05 3:18 P
Surr: Toluene-d8	97.5		75-125	0.02	%REC	1	11/16/05 3:18 P

**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 Inc. of North America  
Project: PAS Oswego, NY  
W Order: 0511061  
Matrix: WATER

Lab ID: 0511061-003A  
Client Sample ID: Well LR-8  
Collection Date: 11/07/05 4:15 P  
Date Received: 11/08/05 3:00 P

Inst. ID: MS02 12 Sample Size: 25 mL  
ColumnID: Rtx-502.2 %Moisture:  
Revision: 11/17/05 9:54:39 A TestCode: 8260W OLM42

PrepDate:  
BatchNo: R3482  
FileID: 1-SAMP-M8277.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 4:00 P
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	11/16/05 4:00 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	11/16/05 4:00 P
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 4:00 P
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	11/16/05 4:00 P
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	11/16/05 4:00 P
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	11/16/05 4:00 P
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	11/16/05 4:00 P
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	11/16/05 4:00 P
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	11/16/05 4:00 P
2-Butanone	ND	J	10.0	0.68	µg/L	1	11/16/05 4:00 P
2-Hexanone	ND		5.00	0.36	µg/L	1	11/16/05 4:00 P
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	11/16/05 4:00 P
Acetone	ND	J	10.0	0.23	µg/L	1	11/16/05 4:00 P
Benzene	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
Bromodichloromethane	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
Bromoform	ND		0.50	0.13	µg/L	1	11/16/05 4:00 P
Bromomethane	ND		1.00	0.10	µg/L	1	11/16/05 4:00 P
Carbon disulfide	ND		0.50	0.03	µg/L	1	11/16/05 4:00 P
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	11/16/05 4:00 P
Chlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
Chloroethane	0.79	J	1.00	0.08	µg/L	1	11/16/05 4:00 P
Chloroform	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
Chloromethane	ND		1.00	0.03	µg/L	1	11/16/05 4:00 P
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 4:00 P
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 4:00 P
Cyclohexane	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
Dibromochloromethane	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	11/16/05 4:00 P
Ethylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 4:00 P

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER

**Lab ID:** 0511061-003A  
**Client Sample ID:** *Well LR-8*  
**Collection Date:** 11/07/05 4:15 P  
**Date Received:** 11/08/05 3:00 P

**Inst. ID:** MS02 12 **Sample Size:** 25 mL

**PrepDate:**  
**BatchNo:** R3482

**ColumnID:** Rtx-502.2

**%Moisture:**

**Revision:** 11/17/05 9:54:39 A

**TestCode:** 8260W OLM42

**FileID:** 1-SAMP-M8277.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	ND	0.50	0.02		µg/L	1	11/16/05 4:00 P
Methyl acetate	ND	0.50	0.05		µg/L	1	11/16/05 4:00 P
Methyl tert-butyl ether	ND	0.50	0.03		µg/L	1	11/16/05 4:00 P
Methylcyclohexane	ND	0.50	0.03		µg/L	1	11/16/05 4:00 P
Methylene chloride	ND	2.00	0.09		µg/L	1	11/16/05 4:00 P
Styrene	ND	0.50	0.02		µg/L	1	11/16/05 4:00 P
Tetrachloroethene	ND	0.50	0.05		µg/L	1	11/16/05 4:00 P
Toluene	ND	0.50	0.02		µg/L	1	11/16/05 4:00 P
trans-1,2-Dichloroethene	ND	0.50	0.04		µg/L	1	11/16/05 4:00 P
trans-1,3-Dichloropropene	ND	0.50	0.03		µg/L	1	11/16/05 4:00 P
Trichloroethene	ND	0.50	0.03		µg/L	1	11/16/05 4:00 P
Trichlorofluoromethane	ND	1.00	0.02		µg/L	1	11/16/05 4:00 P
Vinyl chloride	ND	1.00	0.03		µg/L	1	11/16/05 4:00 P
Xylenes (total)	ND	1.00	0.04		µg/L	1	11/16/05 4:00 P
Surr: 1,2-Dichloroethane-d4	94.1	75-134	0.04		%REC	1	11/16/05 4:00 P
Surr: 4-Bromofluorobenzene	100	75-125	0.07		%REC	1	11/16/05 4:00 P
Surr: Dibromofluoromethane	98.5	75-127	0.05		%REC	1	11/16/05 4:00 P
Surr: Toluene-d8	91.3	75-125	0.02		%REC	1	11/16/05 4:00 P

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

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





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 11/17/05 9:54:39 A

TestCode: 8260W OLM42

Lab ID: 0511061-004A

Client Sample ID: Well-26

Collection Date: 11/07/05 12:30 P

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3482

FileID: 1-SAMP-M8278.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 4:43 P
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	11/16/05 4:43 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	11/16/05 4:43 P
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 4:43 P
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	11/16/05 4:43 P
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	11/16/05 4:43 P
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	11/16/05 4:43 P
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	11/16/05 4:43 P
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	11/16/05 4:43 P
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	11/16/05 4:43 P
2-Butanone	ND	J	10.0	0.68	µg/L	1	11/16/05 4:43 P
2-Hexanone	ND		5.00	0.36	µg/L	1	11/16/05 4:43 P
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	11/16/05 4:43 P
Acetone	ND	J	10.0	0.23	µg/L	1	11/16/05 4:43 P
Benzene	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
Bromodichloromethane	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
Bromoform	ND		0.50	0.13	µg/L	1	11/16/05 4:43 P
Bromomethane	ND		1.00	0.10	µg/L	1	11/16/05 4:43 P
Carbon disulfide	ND		0.50	0.03	µg/L	1	11/16/05 4:43 P
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	11/16/05 4:43 P
Chlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
Chloroethane	ND		1.00	0.08	µg/L	1	11/16/05 4:43 P
Chloroform	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
Chloromethane	ND		1.00	0.03	µg/L	1	11/16/05 4:43 P
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 4:43 P
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 4:43 P
Cyclohexane	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
Dibromochloromethane	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	11/16/05 4:43 P
Ethylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P

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

<b>CLIENT:</b> O'Brien & Gere Inc. of North America	<b>Lab ID:</b> 0511061-004A
<b>Project:</b> PAS Oswego, NY	<b>Client Sample ID:</b> Well-26
<b>W Order:</b> 0511061	<b>Collection Date:</b> 11/07/05 12:30 P
<b>Matrix:</b> WATER	<b>Date Received:</b> 11/08/05 3:00 P
<b>Inst. ID:</b> MS02 12	<b>Sample Size:</b> 25 mL
<b>ColumnID:</b> Rtx-502.2	<b>%Moisture:</b>
<b>Revision:</b> 11/17/05 9:54:39 A	<b>TestCode:</b> 8260W OLM42
	<b>PrepDate:</b>
	<b>BatchNo:</b> R3482
	<b>FileID:</b> 1-SAMP-M8278.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
Methyl acetate	ND		0.50	0.05	µg/L	1	11/16/05 4:43 P
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	11/16/05 4:43 P
Methylcyclohexane	ND		0.50	0.03	µg/L	1	11/16/05 4:43 P
Methylene chloride	ND		2.00	0.09	µg/L	1	11/16/05 4:43 P
Styrene	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
Tetrachloroethene	ND		0.50	0.05	µg/L	1	11/16/05 4:43 P
Toluene	ND		0.50	0.02	µg/L	1	11/16/05 4:43 P
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 4:43 P
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 4:43 P
Trichloroethene	ND		0.50	0.03	µg/L	1	11/16/05 4:43 P
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	11/16/05 4:43 P
Vinyl chloride	ND		1.00	0.03	µg/L	1	11/16/05 4:43 P
Xylenes (total)	ND		1.00	0.04	µg/L	1	11/16/05 4:43 P
Surr: 1,2-Dichloroethane-d4	94.9		75-134	0.04	%REC	1	11/16/05 4:43 P
Surr: 4-Bromofluorobenzene	92.1		75-125	0.07	%REC	1	11/16/05 4:43 P
Surr: Dibromofluoromethane	101		75-127	0.05	%REC	1	11/16/05 4:43 P
Surr: Toluene-d8	101		75-125	0.02	%REC	1	11/16/05 4:43 P

**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 Inc. of North America

Lab ID: 0511061-005A

Project: PAS Oswego, NY

Client Sample ID: Well M-25

W Order: 0511061

Collection Date: 11/08/05 11:30 A

Matrix: WATER

Date Received: 11/08/05 3:00 P

Inst. ID: MS02 12

Sample Size: 25 mL

PrepDate:

ColumnID: Rtx-502.2

%Moisture:

BatchNo: R3482

Revision: 11/17/05 9:54:39 A

TestCode: 8260W OLM42

FileID: 1-SAMP-M8279.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 5:26 P
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	11/16/05 5:26 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	11/16/05 5:26 P
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 5:26 P
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	11/16/05 5:26 P
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	11/16/05 5:26 P
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	11/16/05 5:26 P
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	11/16/05 5:26 P
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	11/16/05 5:26 P
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	11/16/05 5:26 P
2-Butanone	ND	J	10.0	0.68	µg/L	1	11/16/05 5:26 P
2-Hexanone	ND		5.00	0.36	µg/L	1	11/16/05 5:26 P
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	11/16/05 5:26 P
Acetone	ND	J	10.0	0.23	µg/L	1	11/16/05 5:26 P
Benzene	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
Bromodichloromethane	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
Bromoform	ND		0.50	0.13	µg/L	1	11/16/05 5:26 P
Bromomethane	ND		1.00	0.10	µg/L	1	11/16/05 5:26 P
Carbon disulfide	ND		0.50	0.03	µg/L	1	11/16/05 5:26 P
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	11/16/05 5:26 P
Chlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
Chloroethane	ND		1.00	0.08	µg/L	1	11/16/05 5:26 P
Chloroform	1.54		0.50	0.02	µg/L	1	11/16/05 5:26 P
Chloromethane	ND		1.00	0.03	µg/L	1	11/16/05 5:26 P
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 5:26 P
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 5:26 P
Cyclohexane	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
Dibromochloromethane	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	11/16/05 5:26 P
Ethylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER

**Lab ID:** 0511061-005A  
**Client Sample ID:** Well M-25  
**Collection Date:** 11/08/05 11:30 A  
**Date Received:** 11/08/05 3:00 P

**Inst. ID:** MS02 12      **Sample Size:** 25 mL  
**ColumnID:** Rtx-502.2      **%Moisture:**  
**Revision:** 11/17/05 9:54:39 A      **TestCode:** 8260W OLM42

**PrepDate:**  
**BatchNo:** R3482  
**FileID:** 1-SAMP-M8279.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
Methyl acetate	ND		0.50	0.05	µg/L	1	11/16/05 5:26 P
Methyl tert-butyl ether	3.03		0.50	0.03	µg/L	1	11/16/05 5:26 P
Methylcyclohexane	ND		0.50	0.03	µg/L	1	11/16/05 5:26 P
Methylene chloride	ND		2.00	0.09	µg/L	1	11/16/05 5:26 P
Styrene	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
Tetrachloroethene	ND		0.50	0.05	µg/L	1	11/16/05 5:26 P
Toluene	ND		0.50	0.02	µg/L	1	11/16/05 5:26 P
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 5:26 P
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 5:26 P
Trichloroethene	ND		0.50	0.03	µg/L	1	11/16/05 5:26 P
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	11/16/05 5:26 P
Vinyl chloride	ND		1.00	0.03	µg/L	1	11/16/05 5:26 P
Xylenes (total)	1.17		1.00	0.04	µg/L	1	11/16/05 5:26 P
Surr: 1,2-Dichloroethane-d4	96.3		75-134	0.04	%REC	1	11/16/05 5:26 P
Surr: 4-Bromofluorobenzene	101		75-125	0.07	%REC	1	11/16/05 5:26 P
Surr: Dibromofluoromethane	98.6		75-127	0.05	%REC	1	11/16/05 5:26 P
Surr: Toluene-d8	97.0		75-125	0.02	%REC	1	11/16/05 5:26 P

**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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER

**Lab ID:** 0511061-006A  
**Client Sample ID:** Well LR-6  
**Collection Date:** 11/07/05 3:00 P  
**Date Received:** 11/08/05 3:00 P

**Inst. ID:** MS02 12 **Sample Size:** 25 mL

**PrepDate:**  
**BatchNo:** R3482

**ColumnID:** Rtx-502.2 **%Moisture:**

**Revision:** 11/17/05 9:54:39 A **TestCode:** 8260W OLM42

**FileID:** 1-SAMP-M8280.D

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

### SW8260B

1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 6:08 P
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	11/16/05 6:08 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	11/16/05 6:08 P
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	11/16/05 6:08 P
1,1-Dichloroethane	2.66		0.50	0.02	µg/L	1	11/16/05 6:08 P
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	11/16/05 6:08 P
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	11/16/05 6:08 P
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	11/16/05 6:08 P
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	11/16/05 6:08 P
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	11/16/05 6:08 P
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	11/16/05 6:08 P
2-Butanone	ND J		10.0	0.68	µg/L	1	11/16/05 6:08 P
2-Hexanone	ND		5.00	0.36	µg/L	1	11/16/05 6:08 P
4-Methyl-2-pentanone	ND		5.00	1.20	µg/L	1	11/16/05 6:08 P
Acetone	ND J		10.0	0.23	µg/L	1	11/16/05 6:08 P
Benzene	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
Bromodichloromethane	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
Bromoform	ND		0.50	0.13	µg/L	1	11/16/05 6:08 P
Bromomethane	ND		1.00	0.10	µg/L	1	11/16/05 6:08 P
Carbon disulfide	ND		0.50	0.03	µg/L	1	11/16/05 6:08 P
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	11/16/05 6:08 P
Chlorobenzene	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
Chloroethane	ND		1.00	0.08	µg/L	1	11/16/05 6:08 P
Chloroform	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
Chloromethane	ND		1.00	0.03	µg/L	1	11/16/05 6:08 P
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 6:08 P
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 6:08 P
Cyclohexane	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
Dibromochloromethane	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	11/16/05 6:08 P
Ethylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P

**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 Inc. of North America  
Project: PAS Oswego, NY  
W Order: 0511061  
Matrix: WATER

Lab ID: 0511061-006A  
Client Sample ID: Well LR-6  
Collection Date: 11/07/05 3:00 P  
Date Received: 11/08/05 3:00 P

Inst. ID: MS02 12

Sample Size: 25 mL

PrepDate:

ColumnID: Rtx-502.2

%Moisture:

BatchNo: R3482

Revision: 11/17/05 9:54:39 A

TestCode: 8260W OLM42

FileID: 1-SAMP-M8280.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
Methyl acetate	ND		0.50	0.05	µg/L	1	11/16/05 6:08 P
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	11/16/05 6:08 P
Methylcyclohexane	ND		0.50	0.03	µg/L	1	11/16/05 6:08 P
Methylene chloride	ND		2.00	0.09	µg/L	1	11/16/05 6:08 P
Styrene	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
Tetrachloroethene	ND		0.50	0.05	µg/L	1	11/16/05 6:08 P
Toluene	ND		0.50	0.02	µg/L	1	11/16/05 6:08 P
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/16/05 6:08 P
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/16/05 6:08 P
Trichloroethene	0.27	J	0.50	0.03	µg/L	1	11/16/05 6:08 P
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	11/16/05 6:08 P
Vinyl chloride	ND		1.00	0.03	µg/L	1	11/16/05 6:08 P
Xylenes (total)	ND		1.00	0.04	µg/L	1	11/16/05 6:08 P
Surr: 1,2-Dichloroethane-d4	96.4		75-134	0.04	%REC	1	11/16/05 6:08 P
Surr: 4-Bromofluorobenzene	106		75-125	0.07	%REC	1	11/16/05 6:08 P
Surr: Dibromofluoromethane	96.0		75-127	0.05	%REC	1	11/16/05 6:08 P
Surr: Toluene-d8	94.9		75-125	0.02	%REC	1	11/16/05 6:08 P

**Qualifiers:**

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

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



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 11/21/05 8:21:48 A

TestCode: 8260W OLM42

Lab ID: 0511061-007A

Client Sample ID: Well LCW-2

Collection Date: 11/08/05 9:05 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3515

FileID: 1-SAMP-M8290.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	10.2		2.50	0.20	µg/L	5	11/17/05 2:16 P
1,1,2,2-Tetrachloroethane	1.95	J	2.50	0.23	µg/L	5	11/17/05 2:16 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.50	0.24	µg/L	5	11/17/05 2:16 P
1,1,2-Trichloroethane	1.00	J	2.50	0.22	µg/L	5	11/17/05 2:16 P
1,1-Dichloroethane	95.7		2.50	0.11	µg/L	5	11/17/05 2:16 P
1,1-Dichloroethene	ND		2.50	0.11	µg/L	5	11/17/05 2:16 P
1,2,4-Trichlorobenzene	ND		5.00	0.67	µg/L	5	11/17/05 2:16 P
1,2-Dibromo-3-chloropropane	ND		5.00	1.10	µg/L	5	11/17/05 2:16 P
1,2-Dibromoethane	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
1,2-Dichlorobenzene	ND		2.50	0.34	µg/L	5	11/17/05 2:16 P
1,2-Dichloroethane	ND		2.50	0.09	µg/L	5	11/17/05 2:16 P
1,2-Dichloropropane	ND		2.50	0.24	µg/L	5	11/17/05 2:16 P
1,3-Dichlorobenzene	ND		2.50	0.10	µg/L	5	11/17/05 2:16 P
1,4-Dichlorobenzene	ND		2.50	0.20	µg/L	5	11/17/05 2:16 P
2-Butanone	ND		50.0	3.40	µg/L	5	11/17/05 2:16 P
2-Hexanone	ND		25.0	1.79	µg/L	5	11/17/05 2:16 P
4-Methyl-2-pentanone	ND		25.0	6.02	µg/L	5	11/17/05 2:16 P
Acetone	ND		50.0	1.15	µg/L	5	11/17/05 2:16 P
Benzene	13.6		2.50	0.08	µg/L	5	11/17/05 2:16 P
Bromodichloromethane	ND		2.50	0.12	µg/L	5	11/17/05 2:16 P
Bromoform	ND		2.50	0.67	µg/L	5	11/17/05 2:16 P
Bromomethane	ND		5.00	0.48	µg/L	5	11/17/05 2:16 P
Carbon disulfide	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
Carbon tetrachloride	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
Chlorobenzene	4.20		2.50	0.08	µg/L	5	11/17/05 2:16 P
Chloroethane	ND		5.00	0.42	µg/L	5	11/17/05 2:16 P
Chloroform	2.80		2.50	0.12	µg/L	5	11/17/05 2:16 P
Chloromethane	ND		5.00	0.17	µg/L	5	11/17/05 2:16 P
cis-1,2-Dichloroethene	6.45		2.50	0.20	µg/L	5	11/17/05 2:16 P
cis-1,3-Dichloropropene	ND		2.50	0.13	µg/L	5	11/17/05 2:16 P
Cyclohexane	ND		2.50	0.12	µg/L	5	11/17/05 2:16 P
Dibromochloromethane	ND		2.50	0.08	µg/L	5	11/17/05 2:16 P
Dichlorodifluoromethane	ND		5.00	0.15	µg/L	5	11/17/05 2:16 P
Ethylbenzene	2.40	J	2.50	0.12	µg/L	5	11/17/05 2:16 P

**Qualifiers:**

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

E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prin./Conf. column %D or RPD exceeds limit



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 11/21/05 8:21:48 A

TestCode: 8260W OLM42

Lab ID: 0511061-007A

Client Sample ID: Well LCW-2

Collection Date: 11/08/05 9:05 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3515

FileID: 1-SAMP-M8290.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	ND		2.50	0.08	µg/L	5	11/17/05 2:16 P
Methyl acetate	ND		2.50	0.27	µg/L	5	11/17/05 2:16 P
Methyl tert-butyl ether	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
Methylcyclohexane	ND		2.50	0.14	µg/L	5	11/17/05 2:16 P
Methylene chloride	0.85	J	10.0	0.45	µg/L	5	11/17/05 2:16 P
Styrene	ND		2.50	0.08	µg/L	5	11/17/05 2:16 P
Tetrachloroethene	0.85	J	2.50	0.23	µg/L	5	11/17/05 2:16 P
Toluene	ND		2.50	0.08	µg/L	5	11/17/05 2:16 P
trans-1,2-Dichloroethene	0.80	J	2.50	0.20	µg/L	5	11/17/05 2:16 P
trans-1,3-Dichloropropene	ND		2.50	0.16	µg/L	5	11/17/05 2:16 P
Trichloroethene	4.80		2.50	0.16	µg/L	5	11/17/05 2:16 P
Trichlorofluoromethane	ND		5.00	0.09	µg/L	5	11/17/05 2:16 P
Vinyl chloride	5.80		5.00	0.16	µg/L	5	11/17/05 2:16 P
Xylenes (total)	ND		5.00	0.20	µg/L	5	11/17/05 2:16 P
Surr: 1,2-Dichloroethane-d4	94.2		75-134	0.23	%REC	5	11/17/05 2:16 P
Surr: 4-Bromofluorobenzene	107		75-125	0.34	%REC	5	11/17/05 2:16 P
Surr: Dibromofluoromethane	99.1		75-127	0.26	%REC	5	11/17/05 2:16 P
Surr: Toluene-d8	90.9		75-125	0.12	%REC	5	11/17/05 2:16 P

**Qualifiers:**

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

**CLIENT:** O'Brien & Gere Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0511061

**Matrix:** WATER

**Inst. ID:** MS02 12

**Sample Size:** 25 mL

**ColumnID:** Rtx-502.2

**%Moisture:**

**Revision:** 11/21/05 8:21:48 A

**TestCode:** 8260W OLM42

**Lab ID:** 0511061-008A

**Client Sample ID:** Well LCW-4

**Collection Date:** 11/08/05 9:45 A

**Date Received:** 11/08/05 3:00 P

**PrepDate:**

**BatchNo:** R3515

**FileID:** 1-SAMP-M8288.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
1,1,1-Trichloroethane	ND		25.0	2.05	µg/L	50	11/17/05 12:50 P
1,1,2,2-Tetrachloroethane	ND		25.0	2.30	µg/L	50	11/17/05 12:50 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	2.40	µg/L	50	11/17/05 12:50 P
1,1,2-Trichloroethane	ND		25.0	2.15	µg/L	50	11/17/05 12:50 P
1,1-Dichloroethane	59.5		25.0	1.10	µg/L	50	11/17/05 12:50 P
1,1-Dichloroethene	ND		25.0	1.10	µg/L	50	11/17/05 12:50 P
1,2,4-Trichlorobenzene	ND		50.0	6.70	µg/L	50	11/17/05 12:50 P
1,2-Dibromo-3-chloropropane	ND		50.0	11.0	µg/L	50	11/17/05 12:50 P
1,2-Dibromoethane	ND		25.0	1.60	µg/L	50	11/17/05 12:50 P
1,2-Dichlorobenzene	98.5		25.0	3.35	µg/L	50	11/17/05 12:50 P
1,2-Dichloroethane	ND		25.0	0.90	µg/L	50	11/17/05 12:50 P
1,2-Dichloropropane	ND		25.0	2.35	µg/L	50	11/17/05 12:50 P
1,3-Dichlorobenzene	ND		25.0	1.05	µg/L	50	11/17/05 12:50 P
1,4-Dichlorobenzene	6.00 J		25.0	1.95	µg/L	50	11/17/05 12:50 P
2-Butanone	ND		500	34.0	µg/L	50	11/17/05 12:50 P
2-Hexanone	ND		250	17.9	µg/L	50	11/17/05 12:50 P
4-Methyl-2-pentanone	ND		250	60.2	µg/L	50	11/17/05 12:50 P
Acetone	ND		500	11.5	µg/L	50	11/17/05 12:50 P
Benzene	379		25.0	0.85	µg/L	50	11/17/05 12:50 P
Bromodichloromethane	ND		25.0	1.15	µg/L	50	11/17/05 12:50 P
Bromoform	ND		25.0	6.70	µg/L	50	11/17/05 12:50 P
Bromomethane	ND		50.0	4.85	µg/L	50	11/17/05 12:50 P
Carbon disulfide	ND		25.0	1.60	µg/L	50	11/17/05 12:50 P
Carbon tetrachloride	ND		25.0	1.65	µg/L	50	11/17/05 12:50 P
Chlorobenzene	388		25.0	0.85	µg/L	50	11/17/05 12:50 P
Chloroethane	80.0		50.0	4.15	µg/L	50	11/17/05 12:50 P
Chloroform	ND		25.0	1.15	µg/L	50	11/17/05 12:50 P
Chloromethane	ND		50.0	1.70	µg/L	50	11/17/05 12:50 P
cis-1,2-Dichloroethene	182		25.0	1.95	µg/L	50	11/17/05 12:50 P
cis-1,3-Dichloropropene	ND		25.0	1.30	µg/L	50	11/17/05 12:50 P
Cyclohexane	15.0 J		25.0	1.25	µg/L	50	11/17/05 12:50 P
Dibromochloromethane	ND		25.0	0.85	µg/L	50	11/17/05 12:50 P
Dichlorodifluoromethane	ND		50.0	1.50	µg/L	50	11/17/05 12:50 P
Ethylbenzene	1190		25.0	1.25	µg/L	50	11/17/05 12:50 P

**Qualifiers:**

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit



# Life Science Laboratories, Inc.

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

## Analytical Results

StateCertNo: 10155

**CLIENT:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER

**Lab ID:** 0511061-008A  
**Client Sample ID:** Well LCIV-4  
**Collection Date:** 11/08/05 9:45 A  
**Date Received:** 11/08/05 3:00 P

**Inst. ID:** MS02 12  
**ColumnID:** Rtx-502.2

**Sample Size:** 25 mL  
**%Moisture:**

**PrepDate:**  
**BatchNo:** R3515

**Revision:** 11/21/05 8:21:48 A

**TestCode:** 8260W OLM42

**FileID:** 1-SAMP-M8288.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	5.00	J	25.0	0.75	µg/L	50	11/17/05 12:50 P
Methyl acetate	ND		25.0	2.70	µg/L	50	11/17/05 12:50 P
Methyl tert-butyl ether	ND		25.0	1.60	µg/L	50	11/17/05 12:50 P
Methylcyclohexane	ND		25.0	1.45	µg/L	50	11/17/05 12:50 P
Methylene chloride	ND		100	4.45	µg/L	50	11/17/05 12:50 P
Styrene	ND		25.0	0.85	µg/L	50	11/17/05 12:50 P
Tetrachloroethene	ND		25.0	2.30	µg/L	50	11/17/05 12:50 P
Toluene	458		25.0	0.80	µg/L	50	11/17/05 12:50 P
trans-1,2-Dichloroethene	ND		25.0	1.95	µg/L	50	11/17/05 12:50 P
trans-1,3-Dichloropropene	ND		25.0	1.55	µg/L	50	11/17/05 12:50 P
Trichloroethene	ND		25.0	1.55	µg/L	50	11/17/05 12:50 P
Trichlorofluoromethane	ND		50.0	0.90	µg/L	50	11/17/05 12:50 P
Vinyl chloride	81.0		50.0	1.55	µg/L	50	11/17/05 12:50 P
Xylenes (total)	2380		50.0	2.05	µg/L	50	11/17/05 12:50 P
Surr: 1,2-Dichloroethane-d4	92.2		75-134	2.25	%REC	50	11/17/05 12:50 P
Surr: 4-Bromofluorobenzene	105		75-125	3.45	%REC	50	11/17/05 12:50 P
Surr: Dibromofluoromethane	95.1		75-127	2.55	%REC	50	11/17/05 12:50 P
Surr: Toluene-d8	102		75-125	1.25	%REC	50	11/17/05 12:50 P

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim/Conf. column %D or RPD exceeds limit



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0511061

Matrix: WATER

Inst. ID: MS02 12

Sample Size: 25 mL

ColumnID: Rtx-502.2

%Moisture:

Revision: 11/21/05 8:21:48 A

TestCode: 8260W OLM42

Lab ID: 0511061-009A

Client Sample ID: OC Trip Blanks

Collection Date: 11/07/05 12:00 A

Date Received: 11/08/05 3:00 P

PrepDate:

BatchNo: R3515

FileID: 1-SAMP-M8289.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
1,1,1-Trichloroethane	ND		0.50	0.04	µg/L	1	11/17/05 1:33 P
1,1,2,2-Tetrachloroethane	ND		0.50	0.05	µg/L	1	11/17/05 1:33 P
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.05	µg/L	1	11/17/05 1:33 P
1,1,2-Trichloroethane	ND		0.50	0.04	µg/L	1	11/17/05 1:33 P
1,1-Dichloroethane	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
1,1-Dichloroethene	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
1,2,4-Trichlorobenzene	ND		1.00	0.13	µg/L	1	11/17/05 1:33 P
1,2-Dibromo-3-chloropropane	ND		1.00	0.22	µg/L	1	11/17/05 1:33 P
1,2-Dibromoethane	ND		0.50	0.03	µg/L	1	11/17/05 1:33 P
1,2-Dichlorobenzene	ND		0.50	0.07	µg/L	1	11/17/05 1:33 P
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
1,2-Dichloropropane	ND		0.50	0.05	µg/L	1	11/17/05 1:33 P
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
1,4-Dichlorobenzene	ND		0.50	0.04	µg/L	1	11/17/05 1:33 P
2-Butanone	ND	J	10.0	0.68	µg/L	1	11/17/05 1:33 P
2-Hexanone	ND		5.00	0.36	µg/L	1	11/17/05 1:33 P
4-Methyl-2-pentanone	ND	J	5.00	1.20	µg/L	1	11/17/05 1:33 P
Acetone	ND	J	10.0	0.23	µg/L	1	11/17/05 1:33 P
Benzene	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
Bromodichloromethane	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
Bromoform	ND		0.50	0.13	µg/L	1	11/17/05 1:33 P
Bromomethane	ND		1.00	0.10	µg/L	1	11/17/05 1:33 P
Carbon disulfide	ND		0.50	0.03	µg/L	1	11/17/05 1:33 P
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	11/17/05 1:33 P
Chlorobenzene	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
Chloroethane	ND		1.00	0.08	µg/L	1	11/17/05 1:33 P
Chloroform	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
Chloromethane	ND		1.00	0.03	µg/L	1	11/17/05 1:33 P
cis-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/17/05 1:33 P
cis-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/17/05 1:33 P
Cyclohexane	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
Dibromochloromethane	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
Dichlorodifluoromethane	ND		1.00	0.03	µg/L	1	11/17/05 1:33 P
Ethylbenzene	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P

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

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



# Life Science Laboratories, Inc.

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

# Analytical Results

StateCertNo: 10155

**CLIENT:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0511061  
**Matrix:** WATER

**Lab ID:** 0511061-009A  
**Client Sample ID:** OC Trip Blanks  
**Collection Date:** 11/07/05 12:00 A  
**Date Received:** 11/08/05 3:00 P

**Inst. ID:** MS02 12  
**ColumnID:** Rtx-502.2  
**Revision:** 11/21/05 8:21:48 A

**Sample Size:** 25 mL  
**%Moisture:**  
**TestCode:** 8260W OLM42

**PrepDate:**  
**BatchNo:** R3515  
**FileID:** 1-SAMP-M8289.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Isopropylbenzene	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
Methyl acetate	ND		0.50	0.05	µg/L	1	11/17/05 1:33 P
Methyl tert-butyl ether	ND		0.50	0.03	µg/L	1	11/17/05 1:33 P
Methylcyclohexane	ND		0.50	0.03	µg/L	1	11/17/05 1:33 P
Methylene chloride	ND		2.00	0.09	µg/L	1	11/17/05 1:33 P
Styrene	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
Tetrachloroethene	ND		0.50	0.05	µg/L	1	11/17/05 1:33 P
Toluene	ND		0.50	0.02	µg/L	1	11/17/05 1:33 P
trans-1,2-Dichloroethene	ND		0.50	0.04	µg/L	1	11/17/05 1:33 P
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	11/17/05 1:33 P
Trichloroethene	ND		0.50	0.03	µg/L	1	11/17/05 1:33 P
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	11/17/05 1:33 P
Vinyl chloride	ND		1.00	0.03	µg/L	1	11/17/05 1:33 P
Xylenes (total)	ND		1.00	0.04	µg/L	1	11/17/05 1:33 P
Surr: 1,2-Dichloroethane-d4	93.2		75-134	0.04	%REC	1	11/17/05 1:33 P
Surr: 4-Bromofluorobenzene	104		75-125	0.07	%REC	1	11/17/05 1:33 P
Surr: Dibromofluoromethane	98.4		75-127	0.05	%REC	1	11/17/05 1:33 P
Surr: Toluene-d8	95.0		75-125	0.02	%REC	1	11/17/05 1:33 P

**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		

**ANNUAL PROGRESS REPORT – 1st Quarter 2006**  
***Operation, Maintenance and Long-term Monitoring Activities***

**PROJECT NAME:** *Pollution Abatement Services Site  
Oswego, New York*

**PERIOD COVERED:** JANUARY - MARCH 2006

**ACTIONS COMPLETED DURING QUARTER:**

- Removal activities were conducted at the PAS Oswego Site in accordance with the Operation, Maintenance and Long-term Monitoring Activities Plan (BBL, 1998) (Work Plan). A total of 29,814 gallons of leachate was removed during the period January through March of 2006. Specific quantities of leachate removed during each month, along with removal dates and manifest numbers, are described in this progress report under the section entitled "Documentation of Removal Activities". The leachate was disposed of at the Clean Harbors facility in Bristol Connecticut. Clean Harbors Environmental Services provided the transportation of the waste.
- Routine ground water elevation monitoring was performed on January 9, February 6, and March 6, 2006.
- On February 6, 2006, quarterly ground-water elevation monitoring was also performed. Quarterly ground-water elevation results for the M-series and LR-series monitoring wells indicated upward vertical gradients calculated for the leachate collection well LCW-4 area were more than 1.5 feet per foot. Therefore leachate removal activities were conducted at LCW locations (not including LCW-4) during the period February through March 2006, in accordance with the November 15, 1999 leachate removal protocol.
- Site maintenance activities were conducted on January 31, February 22, and March 21, 2006, which included inspection of spill control materials, perimeter fencing, and monitoring wells, as well as cleanup of the storage shed and clearing of any debris accumulated in the concrete surface drainage trenches. These maintenance activities were performed in accordance with the approved Work Plan.
- Continued negotiations with Industrial Precision Products (IPP) and their lenders regarding the procurement of institutional controls for the two westerly parcels on IPP's property at 350 Mitchell Street. The previous concerns that were raised to EPA regarding the apparent lack of responsiveness of IPP and one of their lien-holders was successfully resolved to allow completion of the negotiation of the required institutional controls for the IPP property.
- The EPA was notified on February 2, 2006 that the required subordination agreements with all four lien-holders were in place and that the Environmental Protection Easement and Declaration of Restrictive Covenants (Easement) was anticipated to be executed by the end of February. The EPA was notified in the February 2<sup>nd</sup> letter that the *Performing Settling Defendants* had created a site remediation trust (PAS Oswego Site Trust) to carry out their obligations under the Consent Decree. The *Performing Settling Defendants* designated *de maximis, inc.*, as their Trustee charged with responsibility to execute and record the

(Easement) on their behalf and in conformance with the requirements of the Institutional Control Implementation Plan.

- The title search for the IPP property was updated and the Easement was dated February 22, 2006 and subsequently executed by the Trustee on behalf of the *Performing Settling Defendants* and the IPP property owner. The remaining two subordination agreements (Key Bank of New York and Key Bank National Association) were also executed. The executed Easement and all four lien-holder subordination agreements were recorded by the Oswego County Clerk's Office on March 1, 2006 in accordance with the requirements of the Institutional Control Implementation Plan. An Abstract of Title was prepared by Ticor Title that incorporates the updated title search and includes copies of the recorded Easement and the lien-holder subordination agreements. The recorded institutional control documents were compiled for incorporation into the Remedial Action Completion Report to be submitted to EPA by July 10, 2006..

**RESULTS OF FIELD ACTIVITIES:**

- Ground-water elevation data collected on January 9, 2006, February 6, and March 6, 2006 are attached, (See Attachment C-1).
- The routine leachate disposal and site inspection checklists are attached (See Attachment C-2).

**DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:**

- Hazardous Waste Manifests for the 1<sup>st</sup> quarter of 2006 (See Attachment C-3)
- Waste Treatment/Disposal Certifications for the 1<sup>st</sup> quarter of 2006 (See Attachment C-4)

***JANUARY 2006***

January 11, 2006

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1206302	5,053	1/11/06
CTF1206303	4,919	1/11/06

***January 2006 Total = 9,972 gallons***

***FEBRUARY 2006***

February 7, 2006

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1202334	5,064	2/7/06
CTF1202335	4,966	2/7/06

***February 2006 Total = 10,030 gallons***

***MARCH 2006***

March 9, 2006

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1157712	5,012	3/8/06
CTF1157711	4,800	3/8/06

***March 2006 Total = 9,812 gallons***

• **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter  
under OMM Plan - *January through March 2006*

**29,814**



**LEACHATE DISPOSAL DOCUMENTATION**

**January 11, 2006**

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1206302	1/11/06
Attached	CTF1206303	1/11/06

**February 7, 2006**

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1202334	2/7/06
Attached	CTF1202335	2/8/06

**March 8, 2006**

<b>BFI/CECOS Work Order Number</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1157712	3/8/06
Attached	CTF1157711	3/8/06

***ATTACHMENT C-1***  
***GROUND-WATER ELEVATION DATA***

**OBG Inc. of North America**  
**PAS Site**  
**Oswego, New York**

**Pre-Pumping Monitoring Well Levels**

01/09/06

08:00 AM

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Reading	Acceptable Range for DTW		Within Range?		Ground-Water Elevation	Reading 3
							Yes	No	Yes	No		
SWW1	286.20	289.33	8.35	8.26	8.26	8.26	10.26 to 11.40		x	281.07	8.26	
SWW2	286.30	289.37	15.82	15.48	15.48	15.48	15.75 to 17.28		x	273.89	15.48	
SWW3	286.00	286.50	16.90	16.72	16.72	16.72	16.68 to 18.05	x		269.78		
SWW4	282.90	283.60	13.20	13.32	13.32	13.32	16.58 to 17.75		x	270.28	13.32	
SWW5	275.90	277.02	12.28	12.18	12.18	12.18	12.10 to 13.20	x		264.84		
SWW6	270.90	273.06	8.22	8.32	8.32	8.32	9.25 to 10.36		x	264.74	8.32	
SWW7	273.30	277.93	8.48	8.20	8.20	8.20	8.14 to 9.55	x		269.73		
SWW8	275.70	278.24	4.08	4.04	4.04	4.04	8.22 to 10.55		x	274.20	4.04	
SWW9	283.30	285.55	17.82	17.00	17.00	17.00	17.48 to 19.48		x	268.55	17.00	
SWW10	279.30	280.43	9.86	9.85	9.85	9.85	15.92 to 18.34		x	270.58	9.85	
SWW11	271.00	273.50	8.50	8.48	8.48	8.48	8.38 to 9.67	x		265.02		
SWW12	270.20	272.82	8.52	8.67	8.67	8.67	14.05 to 15.43		x	264.15	8.67	
LCW-1	271.40	272.21	7.33	7.30	7.30	7.30	7.02 to 8.16	x		264.91		
LCW-2	272.60	274.44	9.56	9.53	9.53	9.53	9.25 to 10.40	x		264.91		
LCW-3	283.30	284.36	18.55	18.30	18.30	18.30	18.36 to 19.68		x	266.06	18.30	
LCW-4	283.80	285.70	18.95	18.40	18.40	18.40	17.05 to 18.25		x	267.30	18.40	

OBG Inc. of North America  
PAS Site  
Oswego, New York

Pre-Pumping Monitoring Well Levels  
02/06/06  
08:00 AM

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW		Within Range?		Ground-Water Elevation	Reading 3
						Yes	No	Yes	No		
SWW1	286.20	289.33	8.67	8.11	8.11	7.85 to 11.40	x		281.22		
SWW2	286.30	289.37	16.00	15.15	15.15	15.32 to 17.28		x	274.22	15.15	
SWW3	286.00	286.50	17.05	16.37	16.37	16.40 to 18.05		x	270.13	16.37	
SWW4	282.90	283.60	14.20	12.55	12.55	12.70 to 17.75		x	271.05	12.55	
SWW5	275.90	277.02	13.44	12.55	12.55	11.78 to 13.20	x		264.47		
SWW6	270.90	273.06	8.61	8.10	8.10	7.72 to 10.36	x		264.96		
SWW7	273.30	277.93	8.31	7.92	7.92	7.98 to 9.55		x	270.01	7.92	
SWW8	275.70	278.24	4.26	3.97	3.97	3.58 to 10.55	x		274.27		
SWW9	283.30	285.55	18.11	16.41	16.41	17.32 to 19.48		x	269.14	16.41	
SWW10	279.30	280.43	10.65	9.20	9.20	9.36 to 18.34		x	271.23	9.20	
SWW11	271.00	273.50	9.79	8.58	8.58	8.00 to 9.67	x		264.92		
SWW12	270.20	272.82	9.02	8.43	8.43	8.02 to 15.43	x		264.39		
LCW-1	271.40	272.21	9.10	7.76	7.76	6.83 to 8.16	x		264.45		
LCW-2	272.60	274.44	11.34	10.00	10.00	9.06 to 10.40	x		264.44		
LCW-3	283.30	284.36	18.66	18.11	18.11	18.05 to 19.68	x		266.25		
LCW-4	283.80	285.70	18.35	17.70	17.70	18.13 to 19.45		x	268.00	17.70	
LR-2	287.50	289.85	13.90	12.85	12.85	13.10 to 16.30		x	277.00	12.85	
LR-3	275.50	278.06	9.12	7.80	7.80	7.40 to 11.28	x		270.26		
LR-6	270.90	274.39	11.08	9.95	9.95	9.58 to 13.23	x		264.44		
LR-8	270.00	273.42	11.60	9.02	9.02	9.35 to 12.70		x	264.40	9.02	
M-21	270.28	272.32	11.16	8.30	8.30	8.75 to 12.38		x	264.02	8.30	
M-22	270.40	273.88	10.72	9.62	9.62	9.29 to 12.40	x		264.26		
M-23	267.98	270.49	12.90	11.55	11.55	10.90 to 14.06	x		258.94		
M-24	276.49	277.94	15.51	12.47	12.47	13.80 to 17.07		x	265.47	12.47	
M-25	264.56	265.84	8.12	5.35	5.35	6.62 to 9.48		x	260.49	5.35	
M-26	271.85	273.38	9.12	6.45	6.45	7.38 to 11.40		x	266.93	6.45	

**OBG Inc. of North America  
PAS Site  
Oswego, New York**

**Pre-Pumping Monitoring Well Levels**

03/06/06

08:00 AM

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range?		Ground-Water Elevation	Reading 3
							Yes	No		
SWW1	286.20	289.33	8.11	9.32	9.32	7.85 to 11.40	x		280.01	
SWW2	286.30	289.37	15.15	15.28	15.28	15.32 to 17.28		x	274.09	15.28
SWW3	286.00	286.50	16.37	16.80	16.80	16.40 to 18.05	x		269.70	
SWW4	282.90	283.60	12.55	15.33	15.33	12.70 to 17.75	x		268.27	
SWW5	275.90	277.02	12.55	12.57	12.57	11.78 to 13.20	x		264.45	
SWW6	270.90	273.06	8.10	8.92	8.92	7.72 to 10.36	x		264.14	
SWW7	273.30	277.93	7.92	8.02	8.02	7.98 to 9.55	x		269.91	
SWW8	275.70	278.24	3.97	4.31	4.31	3.58 to 10.55	x		273.93	
SWW9	283.30	285.55	16.41	16.55	16.55	17.32 to 19.48		x	269.00	16.55
SWW10	279.30	280.43	9.20	11.50	11.50	9.36 to 18.34	x		268.93	
SWW11	271.00	273.50	8.58	8.52	8.52	8.00 to 9.67	x		264.98	
SWW12	270.20	272.82	8.43	9.00	9.00	8.02 to 15.43	x		263.82	
LCW-1	271.40	272.21	7.76	7.62	7.62	6.83 to 8.16	x		264.59	
LCW-2	272.60	274.44	10.00	9.86	9.86	9.06 to 10.40	x		264.58	
LCW-3	283.30	284.36	18.11	18.25	18.25	18.05 to 19.68	x		266.11	
LCW-4	283.80	285.70	17.70	17.65	17.65	18.13 to 19.45		x	268.05	17.65

***ATTACHMENT C-2***

***SITE INSPECTION CHECKLIST AND LEACHATE DISPOSAL***

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 1-9-06

Time: 12:00

Personnel: MARTIN KOENIGKE

Weather: 5 hours Rainy windy 40°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	<u>12-27-05</u>	
Burrowing Animals	<u>NONE VISIBLE</u>	
Cap Vegetation	<u>WOOD 1/2 SNOW COVERED</u>	
Concrete Drainage Trough	<u>OK</u>	
French Drain	<u>OK</u>	
Weeds	<u>N/A</u>	
<b>Leachate Collection System</b>		
Pumps	<u>Responding</u>	
Pump Controls/Alarms	<u>N/A</u>	
Tank Level	<u>6"</u>	
<b>Monitoring Wells</b>		
Locks	<u>OK</u>	
Riser	<u>OK</u>	
Surface Completion	<u>N/A</u>	
<b>General Site Conditions</b>		
Foliage	<u>1/2 SNOW COVERED</u>	
Perimeter Fence	<u>OK</u>	<u>A couple of TOP wire HIDDEN BROKE</u>
Site Access Drive	<u>OK</u>	<u>WILL REPLACE DURING MAINT.</u>
Stream Gauges	<u>N/A</u>	
<b>Other Items</b>		
Equipment Storage Shed	<u>OK</u>	
Fire Extinguisher	<u>OK</u>	
Spill Control Materials	<u>OK STOCKED</u>	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

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O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KENNEDY Time on Site: 7:00 AM

Transportation Subcontractor: CLEAN HARBORS ENVIR. SERVICES

Leachate Destination: CLEAN HARBORS, BRISTOL Conn

Date: 1-11-06

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft Down)		
LCW-1	7:00	9:00		See Below		
LCW-2	7:00	9:00				
LCW-3	7:00	9:00				
LCW-4	NOT	PUMPED				

Leachate Holding Tank: START - 6" - STOP 39" = (32" x 305" x 120" = 9960 gal)

Initial Flow Meter Reading: AFTER Pump out 5 1/2"

Final Flow Meter Reading: 32.5" LOADED = (9972) gal

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination Manifest	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)		
Load #1	9:30	YES	10:10	49 1/2 <sup>5053 gal</sup>	CTF1206302	139
Load #2	10:30	YES	11:10	48" = 4919 gal	CTF1206303	140
Load #3						
Load #4						



O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 1-31-06

Time: 9:00

Personnel: MARTIN KOENNECKE

Weather: 40° RAIN SHOWERS

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>		
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	Clean TROUGH
French Drain	OK	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	5.5"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	Good	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK	STOCKED

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) STRAIGHTENED UP MARKER POST FOR WELLS  
AND ACCESS DRIVE

SHOVELLED OUT DEAD VEGETATION AND DEBRIS FROM CONCRETE TROUGH

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 2-6-06

Time: 1:00

Personnel: MARTIN Keanecker

Weather: windy, snow

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>		
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	OK	
Concrete Drainage Trough	GOOD	
French Drain	GOOD	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	5.5"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	OK	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) Quarterly well Levels

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PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOSMICKI Time on Site: 7:00

Transportation Subcontractor: CLEAN HARBORS ENVIR. SERVICES

Leachate Destination: CLEAN HARBORS OF CONN. BRISTOL

Date: 2-7-06

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis			Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft. Down)	Flow Rate Calculation	
LCW-1	7:00	9:00	SEE	BELOW		
LCW-2	7:00	9:00				
LCW-3	7:00	9:00		↓	↓	↓
LCW-4	NOT	PUMPED				
<p style="text-align: center;"><math>120 \text{ min} \times 31.5" = 9607.5 = 80 \text{ BPM}</math></p> <p>Leachate Holding Tank: START 5.5" STOP - 37" AFTER PUMPOUT - 4"</p> <p>Initial Flow Meter Reading:</p> <p>Final Flow Meter Reading: <math>37" - 4" = 33" = 10,065</math> <span style="float: right;">STICK MANUVER</span></p> <p style="text-align: right;">PUMPED OUT - 10,030 gal</p>						

Load #	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	Remarks
Load #1	9:00	Yes	9:45	50" / 5064	CTF 1202334	141 <sup>ST</sup>
Load #2	10:45	Yes	11:45	48 1/2" / 4966	CTF 1202335	142 <sup>ST</sup>
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 2-22-06 Time: 8:00

Personnel: MARTIN KOEHNKE Weather: OVERCAST 20°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	2-6-06	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	LIGHT SNOW COVER	2-3"
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	4"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	NA	
General Site Conditions		
Foliage	LIGHT SNOW COVER	2-3"
Perimeter Fence	OK	WORKING ON BRUSH + TREES
Site Access Drive	Plowed	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK	STOCKED

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

WORKED ON BRUSH + TREES ON BACK PERIMETER FENCE TRAIL TO LR-8

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 3-6-06

Time: 9:30

Personnel: MARTIN KAENNECKE

Weather: SUNNY 25°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	2-22-06	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	OK	
Concrete Drainage Trough	SNOW COVERED	
French Drain	SNOW COVERED	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	4"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	NA	
Perimeter Fence	OK	
Site Access Drive	OK	PLOWED ENTRANCE
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	SIDING HAS SOME WIND POKES	NEEDS MAINT.
Fire Extinguisher	OK	
Spill Control Materials	OK STACKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) CAN REPLACE SHED SIDING ON SCHEDULED MAINTENANCE DAY WITH T-1 II SIDING

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PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOENNECKE Time on Site: 6:45

Transportation Subcontractor: CLEAN HARBORS ENV. Serv. Inc

Leachate Destination: CLEANHARBORS OF CONN. INC.

Date: 3-8-06

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev.(ft. Down)		
LCW-1	6:45	9:00	SEE	Below		
LCW-2	6:45	9:00				
LCW-3	6:45	9:00				
LCW-4	NOT	PUMPED				

Leachate Holding Tank: START 4" STOPPED - 41" AFTER Pump out - 8<sup>3/4"</sup>  
 Initial Flow Meter Reading: LOADED OUT 32.25" X 305 = 9836 gal  
 Final Flow Meter Reading:  
 Pump rate = 37" X 305 = 11285 ÷ 135 MIN = 83.5 GPM

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	9:00	YES	9:40	56.25" = 4800	CTF 1157711	# 143
Load #2	9:40	YES	10:30	49" = 5012	CTF 1157712	# 144
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 3-21-06

Time: 8:00

Personnel: MARTIN KOENIGKE

Weather: COLD SUNNY - 20°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	3-6-06	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	OK	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Respearing	
Pump Controls/Alarms	NA	
Tank Level	8 3/4"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	NA	
General Site Conditions		
Foliage	OK	
Perimeter Fence	OK	CUTTING BRUSH + TREES
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK - STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) WORKED ON BRUSH AND TREES AROUND

PERIMETER FENCE

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***ATTACHMENT C-3***  
***HAZARDOUS WASTE MANIFESTS***





STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

Form type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

Main manifest form with sections: UNIFORM HAZARDOUS WASTE MANIFEST, Generator's Name and Mailing Address, Designated Facility Name and Site Address, US DOT Description, Containers, Handling Codes, Special Handling Instructions, Generator's Certification, Acknowledgements, Discrepancy Indication Space, Facility Owner or Operator.

COPY 3: FACILITY TO GENERATOR

CT F 1206302

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **UYD-D0051165900-140** Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator Name and Mailing Address  
**AS PARTICIPATING PARTIES ATT. TERRY CRIBS  
C/O O'BRIEN & GEE INC. OF NORTH AMERICA  
5000 BRITTON FIELD PKWY, PO BOX 4873**

A. State Manifest Document Number  
**CT F 1206303**

4. Generator's Phone **315 437 0100** SYRACUSE, NY 13221

B. G.S.I. (Gen. Site Address)  
**POLLUTION ABATEMENT SERVICE  
SITE, E.  
SENECA, ST.**

5. Transporter 1 Company Name  
**CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.**

C. S.T.I. (Trans. Lic. Plate)  
**19473 MC**

6. US EPA ID Number  
**MA-D03938225D**

D. Tran. Phone  
**781 849 1800**

7. Transporter 2 Company Name

E. S.T.I. (Trans. Lic. Plate #)

9. Designated Facility Name and Site Address  
**CLEAN HARBORS OF CONN. INC.  
SIOGDERICK, ROAD  
BRISTOL, CT 06010**

F. Tran. Phone ( )

G. State Facility's ID (Not Required)

H. Facility's Phone  
**860 583 8917**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

**AQUASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES  
LIQUID, NOS (XYLENE, ETHYL BENZENE), 9, UN3082,  
RCII (F039)**

No. Type

EPA STATE  
**00-1 TT049-19G**

b.

EPA STATE

c.

EPA STATE

d.

EPA STATE

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

**ERC # 171(6)(7)**

Interim Final Interim Final

a. **LEACHATE**

a. **T23**

b.

b.

15. Special Handling Instructions and Additional Information

**11A.CH90900B**

**EMERGENCY PHONE # (800) 483-3718**

**48" = 4919**

Point of Departure **LOT # D21101642**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name  
**MAR TIN KOENIGKE**

Signature  
**AS AGENT**  
Month Day Year  
**01/1/06**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name  
**ERIC JUDD**

Signature  
**Eric Judd**  
Month Day Year  
**01/1/06**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature  
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name  
**NALAYA D R AN**

Signature  
**Nalaya D R An**  
Month Day Year  
**01/1/06**

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

PPW 11/20/2005

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. M70000311880 Manifest Document No. 120147

2. Page 1 of 1 Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address: O'Brien & Gere, Inc. of North America, 5100 Brittonfield Pkwy, PO BOX 4873, Syracuse, NY 13221

A. State Manifest Document Number: CT F 1202334

4. Generator's Phone: (315) 437-8190

B. G.S.I. (Gen. Site Address): 55 Seneca Street, Oswego, NY 13126

5. Transporter 1 Company Name: Clean Harbor Env Services Inc

C. S.T.I. (Trans. Lic. Plate #): C-194 BMA

6. US EPA ID Number: MAAD036322250

D. Tran. Phone: 781 844-1000

7. Transporter 2 Company Name

E. S.T.I. (Trans. Lic. Plate #)

8. US EPA ID Number

F. Tran. Phone

9. Designated Facility Name and Site Address: Clean Harbor OTCem Inc, 51 Broderick Road, Bristol, CT, 06010

G. State Facility's ID (Not Required)

H. Facility's Phone: (860) 583-8917

10. US EPA ID Number: CT DDDDD004488

11. US DOT Description: a. RC, WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., DYLENE ETHYLBENZENE, 2, UN3002, PG III (F039)

Table with 5 columns: 12. Containers (No., Type), 13. Total Quantity, 14. Unit (Wt/Vol), 15. Waste No. (EPA, STATE). Includes handwritten entry: 001, 11, 506.96, EPA, STATE.

b. ...

c. ...

d. ...

J. Additional Descriptions for Materials Listed Above: ERG#171 (LIT)

K. Handling Codes for Wastes Listed Above: Interim Final Interim Final

a. c.

a. T23 c.

b. d.

b. d.

15. Special Handling Instructions and Additional Information: EMERGENCY PHONE #: (800) 483-3719

11a. CH898008

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

Printed/Typed Name: MARTIN KOENNECKE Signature: Mark Koenecke Month Day Year: 020906

17. Transporter 1 Acknowledgement of Receipt of Materials: Printed/Typed Name: Kelly Harbor Signature: Kelly Harbor Month Day Year: 020706

18. Transporter 2 Acknowledgement of Receipt of Materials: Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Signature: Month Day Year: 020706

Vertical text on the left margin: 36, USE AT, 3 CHE, DEP, CONT, GENERATOR, INNEC, 30-424, IT GUF, ER, U., PONSE, TRANSPORTER, INTACT, F, THE E, F, C

Vertical text on the right margin: U.S. FACILITY ID SERIAL NO., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

PAW 11/20/2005

3102

sa type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. 170000511559	Manifest Document No. 120143	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.
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3. Generator's Name and Mailing Address PAS Participating Parties ATTN: Tony Gere C/O O'Brien & Gere, Inc. of North America 5000 Brittonfield Pkwy PO BOX 4873 Orangetown, NY 13821 Generator's Phone (315) 437-8100		A. State Manifest Document Number <b>CT F 1202335</b>
5. Transporter 1 Company Name Clean Harbors Env Services Inc Clean Harbors Env Services Inc 51 Broderick Road Bristol, CT, 06010		B. G.S.I. (Gen. Site Address) 55 Seneca Street Orangetown, NY 13126
6. US EPA ID Number MA03932250	7. Transporter 2 Company Name Clean Harbors Env Services Inc Clean Harbors Env Services Inc 51 Broderick Road Bristol, CT, 06010	C. S.T.I. (Trans. Lic. Plate #) 61947ME D. Tran. Phone (761) 549-1000
8. US EPA ID Number MA03932250	9. Designated Facility Name and Site Address Clean Harbors Of Conn Inc 51 Broderick Road Bristol, CT, 06010	E. S.T.I. (Trans. Lic. Plate #) 61947ME F. Tran. Phone ( ) G. State Facility's ID (Not Required) H. Facility's Phone (800) 533-2017
10. US EPA ID Number CT000004430		

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. RG WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (XYLENE ETHYLBENZENE), 9, UN3082, PG III (FC36)	001	TR	0.49.66G		EPA 035 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials Listed Above ERG#171 (LIT)	K. Handling Codes for Wastes Listed Above
a.	a. Interim Final Interim Final T03
b.	b. Interim Final Interim Final

15. Special Handling Instructions and Additional Information  
EMERGENCY PHONE # (800) 433-3716  
HAZCH90000

Point of Departure:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name MARTIN KOENNEKE	Signature Martin Koenneke	Month Day Year 12-31-06
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17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name Jeffrey Carpenter	Signature Jeffrey Carpenter	Month Day Year 10-31-06

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name Jeffrey Carpenter	Signature Jeffrey Carpenter	Month Day Year 12-10-06

19. Discrepancy Indication Space

20. Facility Owner or Operator, Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name Nolwyn D. Kian	Signature Nolwyn D. Kian	Month Day Year 12-08-06

COPY 3: FACILITY TO GENERATOR

CT F1202335

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

02/13/06

PPM 11.29.2005

Print type (or print) (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **N.Y.D.000511050** Manifest Document No. **001193**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law, but may be required by State law.

3. Generator's Name and Mailing Address  
**PAS Participating Parties  
ATTN: Tony Geiss  
C/O O'Brian & Gere, Inc. of North America, 5000 Brittonfield Pkwy PO BOX 4873  
Syracuse NY 13221**

A. State Manifest Document Number  
**CT F 1157711**

4. Generator's Phone ( **315**) **437-8100**

B. G.S.I. (Gen. Site Address)  
**55 Seneca Street  
Oswego, NY 13126**

5. Transporter 1 Company Name  
**Clean Harbors Env Services Inc**

C. S.T.I. (Trans. Lic. Plate #) **39680M/A**

6. US EPA ID Number  
**MA.D.0.3.0.3.2.2.5.0**

D. Tran. Phone ( **781**) **840-1800**

7. Transporter 2 Company Name

E. S.T.I. (Trahs. Lic. Plate #)

9. Designated Facility Name and Site Address  
**Clean Harbors Of Conn Inc  
51 Broderick Road  
Bristol, CT, 06010**

F. Tran. Phone ( )

10. US EPA ID Number  
**CT.D.0.0.0.0.4.4.0.0**

G. State Facility's ID (Not Required)

H. Facility's Phone ( **860**) **503-0017**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers No. Type

13. Total Quantity

14. Unit Wt/Vol

1. Waste No.

a. **HAZ WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID,  
N.O.S. (XYLENE,ETHYLBENZENE), 9, UN3082, PG III (P039)**

EPA **E039**  
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J. Additional Descriptions for Materials Listed Above  
**ERG#11 (L)(T)**

K. Handling Codes for Wastes Listed Above  
Interim Final Interim Final

a.

a. **T03** c.

b.

b. d.

15. Special Handling Instructions and Additional Information  
**AGENCY PHONE # (800) 433-3718  
11a: CH909000**

*stickies by 56.25"*

Point of Departure: **P211357608**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **AS Agent  
MARTIN KOENWECKE**

Signature *[Signature]* Month Day Year **03 08 06**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name *[Signature]*

Signature *[Signature]* Month Day Year **03 08 06**

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature *[Signature]* Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.  
Printed/Typed Name **Nelwyn D. RIAN** Signature *[Signature]* Month Day Year **03 08 06**

COPY 3: FACILITY / O GENERATOR

ORIGINAL



STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

021136104

PPV 11/29/2005

#3104

so for print (Form designed for use on elite (12-pitch) typewriter.)

FOR STATE USE ONLY

UNIFORM HAZARDOUS WASTE MANIFEST form with sections 1-20. Includes generator information (AS AGENT), transporter information (JEFFREY CARPENTER), and waste description (aRO. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, NOS, (XYLENE, ETHYL BENZENE), 9, UN3082, PG III (F039)).

COPY 3: FACILITY TO GENERATOR

CT F 1157712

***ATTACHMENT C-4***

***WASTE TREATMENT/DISPOSAL CERTIFICATIONS***

# PAS Oswego Site Truck Unloading Verification Form

## Unloading Facility Clean Harbors Bristol, CT

Date; January 11, 2006

Manifest #; CTF1206302 Estimated Gallons; 5,053

Truck # or plate; Tractor 1244, Trailer 3102

Driver; Joe Fartura

Stick Measurement:

Loading; 49.5"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,053 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,053

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com



# PAS Oswego Site Truck Unloading Verification Form

## Unloading Facility Clean Harbors Bristol, CT

Date; January 11, 2006

Manifest #; CTF1206303 Estimated Gallons; 4,919

Truck # or plate; Tractor 1173, Trailer 3104

Driver; Eric Judd

Stick Measurement:

Loading; 48.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,919 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,919

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

## PAS Oswego Site Truck Unloading Verification Form

### Unloading Facility Clean Harbors Bristol, CT

Date; February 7, 2006

Manifest #; CTF1202335 Estimated Gallons; 4,966

Truck # or plate; Tractor 1192, Trailer 3102

Driver; Jeff Carpenter

Stick Measurement:

Loading; 48.5"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,966 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,966

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss

5000 Brittonfield Parkway,

P.O. Box 4873,

Syracuse, New York 13221-4873

(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

## PAS Oswego Site Truck Unloading Verification Form

### Unloading Facility Clean Harbors Bristol, CT

Date; February 7, 2006

Manifest #; CTF1202334 Estimated Gallons; 5,064

Truck # or plate; Tractor 1185, Trailer 3104

Driver; Kelly Horton

Stick Measurement:

Loading; 50"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,064 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,064

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss

5000 Brittonfield Parkway,

P.O. Box 4873,

Syracuse, New York 13221-4873

(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

CTF 1157711

## PAS Oswego Site Truck Unloading Verification Form

### Unloading Facility Clean Harbors Bristol, CT

Date; March 8, 2006

Manifest #; CTF1157711 Estimated Gallons; 4,800

Truck # or plate; Tractor 1333, Trailer 3134

Driver; Bob Van Campen

Stick Measurement:

Loading; 56.25"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,800 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,800

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

## PAS Oswego Site Truck Unloading Verification Form

### Unloading Facility Clean Harbors Bristol, CT

Date; March 8, 2006

Manifest #; CTF1157712 Estimated Gallons; 5,012

Truck # or plate; Tractor 1192, Trailer 3104

Driver; Jeff Carpenter

Stick Measurement:

Loading; 49"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,012 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,012

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com



**ANNUAL PROGRESS REPORT – 2nd Quarter 2006**  
*Operation, Maintenance and Long-term Monitoring Activities*

**PROJECT NAME:** *Pollution Abatement Services Site  
Oswego, New York*

**PERIOD COVERED:** APRIL - JUNE 2006

**ACTIONS COMPLETED DURING QUARTER:**

- Removal activities were conducted at the PAS Oswego Site in accordance with the Operation, Maintenance and Long-term Monitoring Activities Plan (BBL, 1998) (Work Plan). A total of 29,423 gallons of leachate was removed during the period April through June of 2006. Specific quantities of leachate removed during each month, along with removal dates and manifest numbers, are described in this progress report under the section entitled "Documentation of Removal Activities". The leachate was disposed of at the Clean Harbors facility in Bristol Connecticut. Clean Harbors Environmental Services provided the transportation of the waste.
- Routine ground-water elevation monitoring was performed on April 3, May 8, and June 5, 2006.
- On May 2, 2006, quarterly ground-water elevation monitoring was also performed. Quarterly ground-water elevation results for the M-series and LR-series monitoring wells indicated upward vertical gradients calculated for the leachate collection well LCW-4 area were less than 1.5 feet per foot. Therefore leachate removal activities were conducted at LCW locations (including LCW-4) during the period May through June 2006, in accordance with the November 15, 1999 leachate removal protocol.
- The semi-annual ground water and leachate quality sampling was conducted on May 8 and 9, 2006. A summary of these sampling results, along with historical sampling results, is presented in Figure 1 - Historical VOC Concentrations (See Attachment I-D). The May 2006 semi-annual laboratory results, along with data validation results, are included in Attachment D-5, Semi-Annual Monitoring Lab Reports (May 2006).
- Additionally on April 3 and May 8, 2006 additional ground-water samples were collected from bedrock monitoring wells M-22, OD-3, and M-23 pursuant to the December 20, 2005 letter to EPA, which was approved on January 25, 2006. The analytical reports and data validation of these samples are presented in Attachment D-6. A summary of the additional sampling results is presented in Attachments I-D (Figure 2) and I-E (Table 1).
- Site maintenance activities were conducted on April 27, May 31, and June 28, 2006, which included inspection of spill control materials, perimeter fencing, and monitoring wells, as well as cleanup of the storage shed and clearing of any debris accumulated in the concrete surface drainage trenches. These maintenance activities were performed in accordance with the approved Work Plan
- The Remedial Action Completion Report documenting that all required institutional controls were in place was prepared in accordance with Paragraph 49 of the Consent Decree. EPA was notified by teleconference that all institutional controls required by the Consent Decree were in place. EPA provided concurrence by email on June 7, 2006 that the Remedial

Action Completion Report could be submitted to EPA by July 10, 2006, the same date that this Annual Progress Report is due to EPA.



**RESULTS OF FIELD ACTIVITIES:**

- Ground-water elevation data collected on April 3, May 8, and June 5, 2006 are attached, (See Attachment D-1).
- The routine leachate disposal and site inspection checklists are attached (See Attachment D-2).

**DOCUMENTATION OF REMOVAL ACTIVITIES DURING QUARTER:**

- Hazardous Waste Manifests for the 2<sup>nd</sup> of quarter of 2006 (See Attachment D-3)
- Waste Treatment/Disposal Certifications for the 2<sup>nd</sup> of quarter of 2006 (See Attachment D-4)

***APRIL 2006***

APRIL 5&17, 2006

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1113249	5,045	4/05/06
CTF1222706	4,750	4/17/06

***April 2006 Total = 9,795 gallons***

***MAY 2006***

MAY 11, 2006

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1225341	4,995	5/11/06
CTF1225342	4,748	5/11/06

***May 2006 Total = 9,743 gallons***

***JUNE 2006***

June 8, 2006

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
CTF1224598	4,919	6/8/06
CTF1204505	4,966	6/8/06

***June 2006 Total = 9,885 gallons***

• **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter  
under OMM Plan - *April through June 2006*

**29,423**

**HISTORICAL SUMMARY OF LEACHATE REMOVAL ACTIVITIES**

<i>Order/Decree</i>	<i>Disposal Facility/Period</i>	<i>Quantities</i>
<b>1991 IGR Order (2/92 - 10/94)</b>	<i>DuPont:</i> <b>1992 (2/98 -12/98)</b> <b>1993</b> <b><u>1994 (1/94-10/94)</u></b> <b>Subtotal</b>	221,808 337,619 <u>254,898</u> 814,325
<b>1994 IGR Order (10/94 - 10/98)</b>	<i>DuPont:</i> <b>1994 (From 10/94)</b> <b>1995</b> <b>1996 (To 5/96)</b> <b>Subtotal (To 5/96)</b>  <i>BFI/CECOS:</i> <b>1996</b> <b>1997</b> <b><u>1998 (1/98-10/98)</u></b> <b>Subtotal</b>  <b>94 IGR Order Total</b>	50,683 279,164 <u>119,901</u> 449,748  163,446 269,371 <u>207,541</u> 640,358  1,090,106
<b>Final IGR Total</b>		<b>1,904,431</b>
<b>OMM Consent Decree (Beginning 11/98)</b>	<i>BFI/CECOS:</i> <b>1998 (11/98-12/98)</b> <b>1999</b> <b>2000</b> <b>2001</b> <b>2002</b> <b>2003</b> <b>2004</b> <b>2005</b> <b><u>2006 *</u></b> <b>OMM Subtotal</b>	18,423 177,710 196,613 130,212 118,592 120,583 123,343 120,666 <u>59,237</u> 1,065,459
<b>GRAND TOTAL</b>		<b>2,969,890</b>

\* - only includes 1st and 2nd quarter of 2006

- **LEACHATE DISPOSAL DOCUMENTATION**

**April 5 & 17, 2006**

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1113249	4/5/06
Attached	CTF1222706	4/17/06

**May 11, 2006**

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1225341	5/11/06
Attached	CTF1225342	5/11/06

**June 8, 2006**

<b>Clean Harbors Material Transfer Records</b>	<b>Manifest #</b>	<b>Date Disposed</b>
Attached	CTF1224598	6/8/06
Attached	CTF1224602	6/8/06

***ATTACHMENT D-1***  
***GROUND-WATER ELEVATION DATA***

OBG Inc. of North America  
PAS Site  
Oswego, New York

Pre-Pumping Monitoring Well Levels  
04/03/06  
08:00 AM

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW		Within Range?		Ground-Water Elevation	Reading 3
						Yes	No	Yes	No		
SWW1	286.20	289.33	8.11	9.49	9.49	7.85 to 11.40	x			279.84	
SWW2	286.30	289.37	15.15	15.10	15.10	15.32 to 17.28		x		274.27	15.10
SWW3	286.00	286.50	16.37	16.72	16.72	16.40 to 18.05	x			269.78	
SWW4	282.90	283.60	12.55	15.15	15.15	12.70 to 17.75	x			268.45	
SWW5	275.90	277.02	12.55	12.60	12.60	11.78 to 13.20	x			264.42	
SWW6	270.90	273.06	8.10	8.54	8.54	7.72 to 10.36	x			264.52	
SWW7	273.30	277.93	7.92	7.70	7.70	7.98 to 9.55		x		270.23	7.70
SWW8	275.70	278.24	3.97	4.10	4.10	3.58 to 10.55	x			274.14	
SWW9	283.30	285.55	16.41	16.52	16.52	17.32 to 19.48		x		269.03	16.52
SWW10	279.30	280.43	9.20	11.57	11.57	9.36 to 18.34	x			268.86	
SWW11	271.00	273.50	8.58	8.54	8.54	8.00 to 9.67	x			264.96	
SWW12	270.20	272.82	8.43	8.64	8.64	8.02 to 15.43	x			264.18	
LCW-1	271.40	272.21	7.76	8.08	8.08	6.83 to 8.16	x			264.13	
LCW-2	272.60	274.44	10.00	10.32	10.32	9.06 to 10.40	x			264.12	
LCW-3	283.30	284.36	18.11	18.20	18.20	18.05 to 19.68	x			266.16	
LCW-4	283.80	285.70	17.70	17.25	17.25	18.13 to 19.45		x		268.45	17.25

OBG Inc. of North America  
PAS Site  
Oswego, New York

Pre-Pumping Monitoring Well Levels

05/08/06

08:00 AM

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range?		Ground-Water Elevation	Reading 3
							Yes	No		
SWW1	286.20	289.33	9.49	10.00	10.00	7.61 to 9.82		x	279.33	10.00
SWW2	286.30	289.37	15.10	15.26	15.26	14.65 to 15.78	x		274.11	
SWW3	286.00	286.50	16.72	16.82	16.82	15.87 to 17.30	x		269.68	
SWW4	282.90	283.60	15.15	15.94	15.94	12.05 to 15.83		x	267.66	15.94
SWW5	275.90	277.02	12.60	12.55	12.55	12.05 to 13.07	x		264.47	
SWW6	270.90	273.06	8.54	9.21	9.21	7.60 to 9.42	x		263.85	
SWW7	273.30	277.93	7.70	7.90	7.90	7.42 to 8.52	x		270.03	
SWW8	275.70	278.24	4.10	4.54	4.54	3.47 to 4.81	x		273.70	
SWW9	283.30	285.55	16.52	16.82	16.82	15.91 to 17.05	x		268.73	
SWW10	279.30	280.43	11.57	12.62	12.62	8.70 to 12.00		x	267.81	12.62
SWW11	271.00	273.50	8.54	8.44	8.44	8.02 to 9.08	x		265.06	
SWW12	270.20	272.82	8.64	9.20	9.20	7.93 to 9.50	x		263.62	
LCW-1	271.40	272.21	8.08	7.51	7.51	7.12 to 8.26	x		264.70	
LCW-2	272.60	274.44	10.32	9.75	9.75	9.36 to 10.50	x		264.69	
LCW-3	283.30	284.36	18.20	18.52	18.52	17.61 to 18.75	x		265.84	
LCW-4	283.80	285.70	17.25	17.20	17.20	17.15 to 18.20	x		268.50	
LR-2	287.50	289.85	12.85	14.38	14.38	12.35 to 16.30	x		275.47	
LR-3	275.50	278.06	7.80	8.78	8.78	7.30 to 11.28	x		269.28	
LR-6	270.90	274.39	9.95	10.80	10.80	9.45 to 13.23	x		263.59	
LR-8	270.00	273.42	9.02	10.40	10.40	8.52 to 12.70	x		263.02	
M-21	270.28	272.32	8.30	9.65	9.65	7.80 to 12.38	x		262.67	
M-22	270.40	273.88	9.62	10.50	10.50	9.12 to 12.40	x		263.38	
M-23	267.98	270.49	11.55	12.64	12.64	10.90 to 14.06	x		257.85	
M-24	276.49	277.94	12.47	14.75	14.75	11.97 to 17.07	x		263.19	
M-25	264.56	265.84	5.35	6.60	6.60	4.85 to 9.48	x		259.24	
M-26	271.85	273.38	6.45	9.82	9.82	5.95 to 10.55	x		263.56	

**OBG Inc. of North America**  
**PAS Site**  
**Oswego, New York**  
Pre-Pumping Monitoring Well Levels  
**06/05/06**  
**08:00 AM**

Well Number	Ground Elevation	Riser Elevation	DTW During Previous Event	Reading	Reading	Acceptable Range for DTW	Within Range?		Ground-Water Elevation	Reading 3
							Yes	No		
SWW1	286.20	289.33	10.00	10.44	10.44	7.61 to 9.82		x	278.89	10.44
SWW2	286.30	289.37	15.26	15.53	15.53	14.65 to 15.78	x		273.84	
SWW3	286.00	286.50	16.82	16.96	16.96	15.87 to 17.30	x		269.54	
SWW4	282.90	283.60	15.94	16.25	16.25	12.05 to 15.83		x	267.35	16.25
SWW5	275.90	277.02	12.55	12.42	12.42	12.05 to 13.07	x		264.60	
SWW6	270.90	273.06	9.21	9.25	9.25	7.60 to 9.42	x		263.81	
SWW7	273.30	277.93	7.90	7.95	7.95	7.42 to 8.52	x		269.98	
SWW8	275.70	278.24	4.54	4.68	4.68	3.47 to 4.81	x		273.56	
SWW9	283.30	285.55	16.82	17.08	17.08	15.91 to 17.05		x	268.47	17.08
SWW10	279.30	280.43	12.62	13.74	13.74	8.70 to 12.00		x	266.69	13.74
SWW11	271.00	273.50	8.44	8.40	8.40	8.02 to 9.08	x		265.10	
SWW12	270.20	272.82	9.20	10.22	10.22	7.93 to 9.50		x	262.60	10.22
LCW-1	271.40	272.21	7.51	7.38	7.38	7.12 to 8.26	x		264.83	
LCW-2	272.60	274.44	9.75	9.62	9.62	9.36 to 10.50	x		264.82	
LCW-3	283.30	284.36	18.52	18.70	18.70	17.61 to 18.75	x		265.66	
LCW-4	283.80	285.70	17.20	17.18	17.18	17.15 to 18.20	x		268.52	
LR-2	287.50	289.85	14.38			12.35 to 16.30		x	289.85	0.00
LR-3	275.50	278.06	8.78			7.30 to 11.28		x	278.06	0.00
LR-6	270.90	274.39	10.80			9.45 to 13.23		x	274.39	0.00
LR-8	270.00	273.42	10.40			8.52 to 12.70		x	273.42	0.00
M-21	270.28	272.32	9.65			7.80 to 12.38		x	272.32	0.00
M-22	270.40	273.88	10.50			9.12 to 12.40		x	273.88	0.00
M-23	267.98	270.49	12.64			10.90 to 14.06		x	270.49	0.00
M-24	276.49	277.94	14.75			11.97 to 17.07		x	277.94	0.00
M-25	264.56	265.84	6.60			4.85 to 9.48		x	265.84	0.00
M-26	271.85	273.38	9.82			5.95 to 10.55		x	273.38	0.00



***ATTACHMENT D-2***

***SITE INSPECTION CHECKLIST AND LEACHATE DISPOSAL***

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 4-3-06

Time: 8:00

Personnel: MARTIN KOENIGER  
JAY KAVANAUGH

Weather: RAIN

Item	Previous Inspection Date	Comments/Action Required
<b>Cap</b>	<u>3-21-06</u>	
Burrowing Animals	<u>NONE VISIBLE</u>	
Cap Vegetation	<u>OK</u>	
Concrete Drainage Trough	<u>OK</u>	
French Drain	<u>OK</u>	
Weeds	<u>NA</u>	
<b>Leachate Collection System</b>		
Pumps	<u>Respending</u>	
Pump Controls/Alarms	<u>NA</u>	
Tank Level	<u>11" above well sampling</u>	
<b>Monitoring Wells</b>		
Locks	<u>OK</u>	<u>Need new for OD-3</u>
Riser	<u>OK</u>	
Surface Completion	<u>NA</u>	
<b>General Site Conditions</b>		
Foliage	<u>OK</u>	
Perimeter Fence	<u>OK</u>	
Site Access Drive	<u>OK</u>	
Stream Gauges	<u>NA</u>	
<b>Other Items</b>		
Equipment Storage Shed	<u>OK</u>	
Fire Extinguisher	<u>OK</u>	
Spill Control Materials	<u>OK STOCKED</u>	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

well LEVELS + sampling  
Wells M-22 - M-23 + OD-3

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: \_\_\_\_\_

Time on Site: 7:05

Transportation Subcontractor: CLEAN HARBORS ENV. SERVICES

Leachate Destination: CLEAN HARBORS OF CONN, INC

Date: 4-5-06

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft. Down)		
LCW-1	7:05	8:15				
LCW-2	7:05	8:15				
LCW-3	7:05	8:15				
LCW-4	7:05	8:15				

Leachate Holding Tank: Start 11" Stopped 47" After Pump out 30, 50  
Loaded 16.56"  
Initial Flow Meter Reading:  
Final Flow Meter Reading:  
Pump Rate  $36" \times 365 = 10980 ; 76 = 156.4$

44.00  
30.50  
16.50

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)		
Load #1	8:30	yes	10:01	59 1/2 5095	CF 1113249	#145
Load #2						
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 4-17-06

Time: 4:30

Personnel: MARTIN KOENNEKE

Weather: P-SUNNY

Signature	Previous Inspection Date	Condition/Maintenance Activity
<b>Cap</b>	<u>4-3-06</u>	
Burrowing Animals	<u>None Visible</u>	
Cap Vegetation	<u>GOOD</u>	
Concrete Drainage Trough	<u>OK</u>	
French Drain	<u>OK</u>	
Weeds	<u>NA</u>	
<b>Leachate Collection System</b>		
Pumps	<u>Responding</u>	
Pump Controls/Alarms	<u>NA</u>	
Tank Level	<u>145"</u>	
<b>Monitoring Wells</b>		
Locks	<u>OK</u>	
Riser	<u>OK</u>	
Surface Completion	<u>NA</u>	
<b>General Site Conditions</b>		
Foliage	<u>OK</u>	
Perimeter Fence	<u>OK</u>	
Site Access Drive	<u>OK</u>	
Stream Gauges	<u>NA</u>	
<b>Other Items</b>		
Equipment Storage Shed	<u>OK</u>	
Fire Extinguisher	<u>OK</u>	
Spill Control Materials	<u>OK STOCKED</u>	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

SECOND LOAD OF LEACHATE LOADED OUT  
WORKED ON BRUSH

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOENIGKE Time on Site: 7:30

Transportation Subcontractor: CLEAN HARBORS ENV. SERVICES INC

Leachate Destination: Clean Harbors of Conn. Inc

Date: 4-17-06

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev (ft Down)		
LCW-1						
LCW-2						
LCW-3						
LCW-4						
<p>Leachate Holding Tank: <u>27" - START</u>  <u>15.5" - LOADED</u></p> <p>Initial Flow Meter Reading:</p> <p>Final Flow Meter Reading: <u>After Pump out - 11.5"</u>      <u>15.5 x 305 = 4750 =</u></p>						

Load	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	<u>8:00</u>	<u>Yes</u>	<u>9:30</u>	<u>57"</u>	<u>CTF 1222706</u>	<u># 146</u>
Load #2						
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 5-8-06

Time: 8:00

Personnel: MARTIN Koennecke  
PAYSON Long - DEC

Weather: Sunny 60°

Site Feature	Previous Inspection Date	Condition/Maintenance Activity
Cap	4-17-06	
Burrowing Animals	NONE VISIBLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	11.5"	
<b>Monitoring Wells</b>		
Locks	OK	Replace Locks on ODS + LR-8
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	GOOD	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)  
STARTED Semi Annual well sampling  
PAYSON Long & team DEC on site  
Quantaly well Levels

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN Kocanicki

Time on Site: 6:45

Transportation Subcontractor: CLEAN HARBORS

Leachate Destination: CLEAN HARBORS OF

Date: 9-11-06

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft. Down)		
LCW-1	6:45	7:45	See	Below		
LCW-2	6:45	7:45				
LCW-3	6:45	7:45				
LCW-4	6:45	7:45				

Leachate Holding Tank: START - 11.5" STOP 41" AFTER PUMPOUT 9"

Initial Flow Meter Reading: 295 305 ÷ 60 = 149.9 GPM

Final Flow Meter Reading: 165

Load 1 - 16.4" = 4995 gal  
Load 2 - 16.5" = 4748 gal

Load #	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Mass)	Manifest	
Load #1	7:45	Yes	8:45	59" (4995)	CTF 1225341	147
Load #2	11:00	Yes	12:15	46" 4748	CTF 1225342	148
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 5-31-06 Time: 8:30  
 Personnel: Martin Koennecke Weather: P. Sunny

Site Feature	Previous Inspection Date	Condition/Maintenance Action
<b>Cap</b>	<u>5-8-06</u>	
Burrowing Animals	<u>None Visible</u>	
Cap Vegetation	<u>Good</u>	
Concrete Drainage Trough	<u>OK</u>	
French Drain	<u>OK</u>	
Weeds	<u>NA</u>	
<b>Leachate Collection System</b>		
Pumps	<u>Responding</u>	
Pump Controls/Alarms	<u>NA</u>	
Tank Level	<u>9"</u>	
<b>Monitoring Wells</b>		
Locks	<u>OK</u>	
Riser	<u>OK</u>	
Surface Completion	<u>NA</u>	
<b>General Site Conditions</b>		
Foliage	<u>Good</u>	
Perimeter Fence	<u>OK</u>	
Site Access Drive	<u>OK</u>	
Stream Gauges	<u>NA</u>	
<b>Other Items</b>		
Equipment Storage Shed	<u>OK</u>	
Fire Extinguisher	<u>OK</u>	
Spill Control Materials	<u>OK Stocked</u>	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary)

REPAIRED 3" SUCTION LINE IN TANK  
PIPE WAS CRACKED BETWEEN METER AND VALVE  
FOR LOADING TRUCKS

TRIMMED AROUND GATE, BUILDING, TANK AND ELECTRIC PANEL



O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 6-5-06 Time: 10:00  
 Personnel: MARTIN KOENNECKE Weather: SUNNY 70°

Site Feature	Previous Inspection Date	Condition/Maintenance Action
<b>Cap</b>	5-31-06	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	OK	
French Drain	OK	
Weeds	NA	
<b>Leachate Collection System</b>		
Pumps	RESPONDING	
Pump Controls/Alarms	NA	
Tank Level	9"	
<b>Monitoring Wells</b>		
Locks	OK	
Riser	OK	
Surface Completion	NA	
<b>General Site Conditions</b>		
Foliage	GOOD	WAIST HIGH
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
<b>Other Items</b>		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) well levels

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O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Leachate Disposal Checklist

Project Personnel: MARTIN KOZMACKA Time on Site: 6:45

Transportation Subcontractor: CLEAN HARBORS

Leachate Destination: CLEAN HARBORS off Conn.

Date: 6-8-06

Well	Leachate Collection Well Pumping		Well Pumping Flow Rate Analysis		Flow Rate Calculation	Remarks
	Start Time	Stop Time	Time	Tank Elev. (ft. Down)		
LCW-1	6:45	7:45	Sec	Below	—	—
LCW-2	↓	↓	↓	↓	↓	↓
LCW-3	↓	↓	↓	↓	↓	↓
LCW-4	↓	↓	↓	↓	↓	↓

Leachate Holding Tank: START - 9" STOP 45 36" x 305 = 10980 ÷ 60 mm 183.6m  
 Initial Flow Meter Reading: After Pump out 12.5"  
 Final Flow Meter Reading: LOADED 32.5" = 9912 gallons

Load #	(Pre-Loading) Tanker		(Post-Loading) Tanker		Destination	Remarks
	Time	Confirmed Clean	Time	Tanker Volume (by Stick Glass)	Manifest	
Load #1	10:30	Yes	11:00	4966 48.5"	CTF1224602	149
Load #2	11:00	Yes	11:30	4919 48"	CTF1224598	150
Load #3						
Load #4						

O'Brien and Gere Inc., of North America

PAS Site  
Oswego, New York

Site Inspection Checklist

Date: 6-29-06 Time: 10:00  
 Personnel: MARTIN KOENNECKE Weather: SUNNY 80°

Item	Inspection Date	Condition/Remarks/Action
Cap	6-5-06	
Burrowing Animals	NONE VISABLE	
Cap Vegetation	GOOD	
Concrete Drainage Trough	GROWN CONCRETE	TRIMMING
French Drain	OK	
Weeds	NA	
Leachate Collection System		
Pumps	Responding	
Pump Controls/Alarms	NA	
Tank Level	12.5"	
Monitoring Wells		
Locks	OK	
Riser	OK	
Surface Completion	NA	
General Site Conditions		
Foliage	GOOD	
Perimeter Fence	OK	
Site Access Drive	OK	
Stream Gauges	NA	
Other Items		
Equipment Storage Shed	OK	
Fire Extinguisher	OK	
Spill Control Materials	OK STOCKED	

REMARKS/SPECIAL MAINTENANCE: (includes separate detailed maintenance report, if necessary) CLEARING CONCRETE TROUGH

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***ATTACHMENT D-3***  
***HAZARDOUS WASTE MANIFESTS***



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06108-5127

Please type (or print) (Form designed for use on 4110 (12-pitch) typewriter.)

FOR STATE USE ONLY

CONNECTICUT CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (203) 566-9335
FOR SPILLS
CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-6802

UNIFORM HAZARDOUS WASTE MANIFEST
1. Generator's US EPA ID No. NYD000511659
2. Page 1 of 1
3. Generator's Name and Mailing Address: 275 Woodland St, State of Connecticut, North America, 06061
4. Generator's Phone: 215 437 5100
5. Transporter 1 Company Name: Clean Hazardous Waste Services Inc.
6. US EPA ID Number: VAD0039322250
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address: Clear Hazardous Waste Services, 51 Broad River Street, Bristol, CT 06010
10. US EPA ID Number: CT D000609988
11. US DOT Description: Hazardous Waste, Class 9, 3082, PG III, P039
12. Containers: 1001 TT 650.456
13. Total Quantity: 650.456
14. Unit: Wt/Vol
15. Special Handling Instructions: Emergency # 800 678-8265
16. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.
17. Transporter 1 Acknowledgement of Receipt of Materials: [Signature] 04/05/06
18. Transporter 2 Acknowledgement of Receipt of Materials: [Signature] 04/05/06
19. Discrepancy Indication Space
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. [Signature] 04/05/06



DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

021103850 021162394
PPV 11/20/2005 FOR STATE USE ONLY

Please type (or print) (Form designed for use on olive (12-pitch) typewriter.)

FOR STATE USE ONLY
IN THE EVENT OF AN OIL AND CHEMICAL SPILL RESPONSE AT (203) 566-3338
FOR SP
CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802

COPY 3: FACILITY TO GENERATOR

CT F 1222706

UNIFORM HAZARDOUS WASTE MANIFEST
1. Generator's US EPA ID No. N.Y.D.0.0.0.5.1.1.0.5.9.001746
2. Page 1 of 1
3. Generator's Name and Mailing Address: PAS Participating Parties, ATTN: Tony Gelsa, C/O O'Brien & Gere, Inc. of North America, 5000 Brittonfield Pkwy PO BOX 4373, FRYBACH, NY 13774, Generator's Phone: 416 437 8100
4. State Manifest Document Number: CT F 1222706
5. Transporter 1 Company Name: Clean Harbors Env Services Inc, US EPA ID Number: MAD034322250
6. Transporter 2 Company Name:
7. Designated Facility Name and Site Address: Clean Harbors Oil Conn Inc, 51 Frederick Road, Bristol, CT, 06010
8. US DOT Description: 9. UN3082, PG III (F039)
9. Additional Descriptions: ERG 171 (L), (T)
10. Handling Codes: B3
11. Special Handling Instructions: EMERGENCY PHONE # (800) 483-3718
12. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations.
13. Printed/Typed Name: MARTIN KOENIGS, Signature: Martin Koehnig, Date: 04/17/06
14. Transporter 1 Acknowledgement of Receipt of Materials: Printed/Typed Name: [Signature], Signature: [Signature], Date: 04/17/06
15. Transporter 2 Acknowledgement of Receipt of Materials: Printed/Typed Name: [Signature], Signature: [Signature], Date: 04/17/06
16. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name: [Signature], Signature: [Signature], Date: 04/17/06

COPY 3: FACILITY TO GENERATOR

STATE OF CONNECTICUT 3134

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06106-5127

021117022

PPV 04/24/2008

FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

IN THE EVENT OF OIL AND CHEMICAL SPILL, RESPONSE AT (203) 566-3338. CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802.

GENERATOR INFORMATION

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>NYD000511858 00797</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but may be required by State law.	
3. Generator's Name and Mailing Address <b>PAS Participating Parties ATTN: Tony Gais C/O O'Brien &amp; Gere, Inc. of North America Syracuse, NY 13221</b>				A. State Manifest Document Number <b>CT F1225341</b>		B. G.S.I. (Gen. Site Address) <b>55 Seneca Street Oswego, NY 13126</b>	
5. Transporter 1 Company Name <b>Clean Harbors Env Services Inc</b>				6. US EPA ID Number <b>MA D 0 3 9 3 2 2 5 0</b>		C. S.T.I. (Trans. Lic. Plate #) <b>39680MA</b>	
7. Transporter 2 Company Name				8. US EPA ID Number		D. Tran. Phone ( ) <b>781 830-1800</b>	
9. Designated Facility Name and Site Address <b>Clean Harbors Of Conn Inc 51 Broderick Road Bristol, CT, 06010</b>				10. US EPA ID Number <b>CT D 0 0 0 0 0 4 4 8 8</b>		E. S.T.I. (Trans. Lic. Plate #)	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) <b>RG, WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (XYLENE,ETHYLBENZENE), 9, UN3082, PG III (F039)</b>				12. Containers No. Type		13. Total Quantity	
				14. Unit Wt/Vol		1. Waste No. <b>EPA F039 STATE</b>	
J. Additional Descriptions for Materials Listed Above <b>ERG#171 (L)(7)</b>				K. Handling Codes for Wastes Listed Above Interim Final Interim Final			
15. Special Handling Instructions and Additional Information <b>1a. CH908008 EMERGENCY PHONE # (800) 483-3718 stick Ready 59"</b>				Point of Departure:			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name <b>Martin Koennecke</b>				Signature <b>[Signature]</b>		Month Day Year <b>05 11 06</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>[Name]</b>				Signature <b>[Signature]</b>		Month Day Year <b>05 11 06</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>NEWISSA FICCUIN</b>							
Signature <b>[Signature]</b>				Signature <b>[Signature]</b>		Month Day Year <b>05 12 06</b>	

COPY 3: FACILITY TO GENERATOR

CT F 1225341



STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM
79 Elm St., Hartford, CT 06106-5127

02117704

REV 04/24/2000 FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

CONNECTICUT CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (203) 566-3338

FOR SPILL CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802

IN THE EVENT OF A SPILL

COPY 3: FACILITY TO GENERATOR

CT F 1225342

UNIFORM HAZARDOUS WASTE MANIFEST form with sections 1-20. Includes generator information (PAS Participating Parties), transporter details (Clean Harbors), waste description (NO. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (XYLENE, ETHYLBENZENE)), and signatures of generator and transporters.





#3104

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
78 Elm St., Hartford, CT 06106-5127

021185698

PPW04/24/2008

FOR STATE USE ONLY

Please type (or print) (Form designed for use on a 12-pitch typewriter.)

CONNECTICUT CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (203) 565-3038  
GENERATOR  
FOR SPILLS  
CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802  
IN THE EVENT OF A  
SPILL

COPY 3: FACILITY TO GENERATOR

CT F 1224602

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD0005116592962		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but may be required by State law.	
3. Generator's Name and Mailing Address PAS Participating Parties ATTN: Tony Oels C/O O'Brien & Gere, Inc. of North America, 3000 Brittonfield Pkwy PO BOX 4873 Syacuse, NY 13221				A. State Manifest Document Number <b>CT F1224602</b>		B. G.S.I. (Gen. Site Address) <b>55 Seneca Street Oswego, NY 13126</b>	
4. Generator's Phone 315-437-8100		5. Transporter 1 Company Name Clean Harbors Env Services Inc		6. US EPA ID Number MA0039322250		C. S.T.I. (Trans. Lic. Plate #) 61943ME	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Tran. Phone 781-849-1800		E. S.T.I. (Trans. Lic. Plate #)	
9. Designated Facility Name and Site Address Clean Harbors Of Conn Inc 51 Broderick Road Bristol, CT 06010				10. US EPA ID Number CTD000004488		F. Tran. Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. RO. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (XYLENE, ETHYL BENZENE), S, UN3082, PG III (P002)				001 TT 04966 G		14. Unit Wt/Vol	
b.						EPA Waste No. END 3.0	
c.						EPA STATE	
d.						EPA STATE	
J. Additional Descriptions for Materials Listed Above ERG171 (L), (T) NYS Handling Code 11A = T				K. Handling Codes for Wastes Listed Above Interim Final Interim Final a. 723 b. d.			
15. Special Handling Instructions and Additional Information 11a: CH903008 EMERGENCY PHONE #: (800) 483-3718 Point of Departure: 48.5"							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name AS Agent MARTIN KOENNECKE				Signature [Signature]		Month Day Year 06/08/06	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Jeffrey Carpenter				Signature [Signature]		Month Day Year 06/08/06	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Nelvana R. RIAN							
Signature [Signature]				Signature [Signature]		Month Day Year 06/08/06	



3402

STATE OF CONNECTICUT

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM  
79 Elm St., Hartford, CT 06108-5127

021105700

PPW 04/24/2006

FOR STATE USE ONLY

Please type (or print) (Form designed for use on elite (12-pitch) typewriter.)

CONNECTICUT CONTACT CT DEP - OIL AND CHEMICAL SPILL RESPONSE AT (203) 566-3338

FOR SPILLS

CONTACT THE NATIONAL RESPONSE CENTER, U.S. COAST GUARD 1-800-424-8802

IN THE EVENT OF A

COPY 3: FACILITY TO GENERATOR

CT F 1224598

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>N.Y.D.O.O.5.11559</b>	Manifest Document No. <b>00150</b>	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but may be required by State law.	
3. Generator's Name and Mailing Address <b>PAS Participating Parties ATTN: Tony Goss C/O O'Brien &amp; Gere, Inc. of North America, 5000 Eatonfield Pkwy PO BOX 4875 Syracuse, NY 13221</b>				A. State Manifest Document Number <b>CT F1224598</b>		
4. Generator's Phone ( ) <b>315) 437-8100</b>				B. G.S.I. (Gen. Site Address) <b>55 Seneca Street Oswego, NY 13128</b>		
5. Transporter 1 Company Name <b>Clean Harbors Env Services Inc</b>		6. US EPA ID Number <b>MA D O 3 9 3 2 2 2 5 0</b>		C. S.T.I. (Trans. Lic. Plate #) <b>01997 MC</b>		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Tran. Phone ( ) <b>781 849-1800</b>		
8. Designated Facility Name and Site Address <b>Clean Harbors Of Conn Inc 51 Broderick Road Bristol, CT, 06010</b>				E. S.T.I. (Trans. Lic. Plate #)		
10. US EPA ID Number <b>CT D O O 0 9 0 4 4 6 8</b>				F. Tran. Phone ( )		
				G. State Facility's ID (Not Required)		
				H. Facility's Phone ( ) <b>(860) 593-8917</b>		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit	Waste No.	
a. <b>NO. WASTE ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S., (XYLENE,ETHYLBENZENE), 9, UN3082, PG III (F039)</b>		No. <b>001TT</b>	Type <b>049196</b>		EPA <b>F039</b>	STATE
b.					EPA	STATE
c.					EPA	STATE
d.					EPA	STATE
J. Additional Descriptions for Materials Listed Above <b>ERG 171 (A),(T) NYS Handling Code 11A * T</b>		K. Handling Codes for Wastes Listed Above				
		Interim	Final	Interim	Final	
		a.	<b>T23</b>	b.	d.	
15. Special Handling Instructions and Additional Info <b>11a: CH900008</b>		EMERGENCY PHONE #: (800) 483-3718				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and all applicable State laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Point of Departure: <b>48"</b>						
Printed/Typed Name <b>MARTIN KOENIGKE</b>		Signature <i>Martin Koeningke</i>		Month Day Year <b>06 08 06</b>		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Deborah W. Smith J.</b>		Signature <i>Deborah W. Smith</i>		Month Day Year <b>06 08 06</b>		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>Nelwyn D. Kean</b>						
				Signature <i>Nelwyn D. Kean</i>		Month Day Year <b>06 08 06</b>

*ATTACHMENT D-4*

*WASTE TREATMENT/DISPOSAL CERTIFICATIONS*

## PAS Oswego Site Truck Unloading Verification Form

### Unloading Facility Clean Harbors Bristol, CT

Date; April 5, 2006

Manifest #: CTF1113249 Estimated Gallons; 5,045

Truck # or plate; Tractor 1333, Trailer 3134

Driver; Bob Van Campen

Stick Measurement:

Loading: 59.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 5,045 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 5,045

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; April 17, 2006

Manifest #; CTF1222706 Estimated Gallons; 4,750

Truck # or plate; Tractor 1333, Trailer 3134

Driver; Bob Van Campen

Stick Measurement:

Loading; 57.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,750 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,750

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

03/20/06 10:58 AM

## PAS Oswego Site Truck Unloading Verification Form

### Unloading Facility Clean Harbors Bristol, CT

Date; May 11, 2006

Manifest #; CTF1225342 Estimated Gallons; 4,748

Truck # or plate; Tractor 1173, Trailer 3102

Driver; Kelly Horton

Stick Measurement:

Loading: 46.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,748 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,748

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; May 11, 2006

Manifest #; CTF1225341 Estimated Gallons; 4,995

Truck # or plate; Tractor 1333, Trailer 3134

Driver; Robert Van Campen

Stick Measurement:

Loading; 59.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,748 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,995

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss

5000 Brittonfield Parkway,

P.O. Box 4873,

Syracuse, New York 13221-4873

(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

## PAS Oswego Site Truck Unloading Verification Form

### Unloading Facility Clean Harbors Bristol, CT

Date; June 8, 2006

Manifest #; CTF1224602 Estimated Gallons; 4,966

Truck # or plate; Tractor 1192, Trailer 3104

Driver; Jeff Carpenter

**Stick Measurement:**

Loading: 48.5"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,966 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,966

**NOTE:** Attached to Manifest and Clean Harbor Unloading Ticket

Send To;  
Anthony J. Geiss  
5000 Brittonfield Parkway,  
P.O. Box 4873,  
Syracuse, New York 13221-4873  
(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com



## PAS Oswego Site Truck Unloading Verification Form

Unloading Facility Clean Harbors Bristol, CT

Date; June 8, 2006

Manifest #; CTF1224598 Estimated Gallons; 4,919

Truck # or plate; Tractor 1189, Trailer 3102

Driver; Oakleigh Smith

Stick Measurement:

Loading: 48.0"

Unloading; Facility tank measurement only, tankers not stick measured at facility. Tank measurement = approx 4,919 gallons

Approved By; Chris Borowy

Transferred By; Glen Carlson

Billing Gallons; 4,919

NOTE: Attached to Manifest and Clean Harbor Unloading Ticket

Send To;

Anthony J. Geiss

5000 Brittonfield Parkway,

P.O. Box 4873,

Syracuse, New York 13221-4873

(315) 437-6100 / FAX (315) 463-7554 • geissaj@obg.com

***ATTACHMENT D-5***

***SEMI-ANNUAL AND ADDITIONAL MONITORING LAB RESULTS  
APRIL & MAY 2006***

***ATTACHMENT D-5***

***SEMI-ANNUAL AND ADDITIONAL MONITORING LAB RESULTS  
APRIL & MAY 2006***

**Life Science Laboratories, Inc.**

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

RECEIVED

APR 25 2006

O'BRIEN & GERE

April 24, 2006

Mr. Tony Geiss  
O'Brien & Gere Inc. of North America  
5000 Brittonfield Parkway  
PO Box 4873  
Syracuse, NY 13221-4873

TEL: (315) 437-6100

Project: PAS OSWEGO, NY

RE: Analytical

Order No.: 0604004

Dear Mr. Geiss:

Life Science Laboratories, Inc. received 4 sample(s) on 4/4/2006 for the analyses presented in the following report.

Very truly yours,  
Life Science Laboratories, Inc.



Thomas A. Alexander  
Project Supervisor

# Laboratory Report

## Project Management Case Narrative

### INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for O'Brien & Gere Inc. of North America samples from the PAS site located in Oswego, NY. Samples were delivered to Life Science Laboratories, Inc. in Syracuse, NY for analysis. Immediately following the narrative is the Work Order Sample Summary that lists the site descriptions, sample numbers, date(s) collected, date(s) received, package number(s).

### CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The hand-delivered cooler temperature was 6.5°C and was well iced.

### METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1

- 1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

### QUALITY CONTROL

QA/QC results are summarized in the Sample Data Package and are also included in the raw data.

### RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

## GC/MS Volatile Organics Case Narrative

Client ID: O'Brien & Gere Engineers, Inc.  
Project/Order: Oswego PAS  
Work Order #: 0604004  
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): ASL 4-17-06  
Supervisor/Reviewed by (Initials/Date): (RW) 4-20-06  
QA/QC Review (Initials/Date): ES 4-20-06

File Name: G:\Narratives\MSVoa\0604004msvnr.doc

### GC/MS Volatile Organics

The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocarb 3000 trap.

### Holding Times and Sample Preservation

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

### Laboratory Control Sample

The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	% REC	RPD	Corrective Action
LCS-4948	Dibromochloromethane	X		1

- 1 The recovery marginally exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

### MS/MSD/MSB

All spike recovery and RPD data met method and/or project specific QC criteria.

### Surrogate Standards

All surrogate standard recoveries met method and/or project specific QC criteria.

### Internal Standards

All internal standard areas met method and/or project specific QC criteria.

### Calibrations

All initial calibrations and calibration verifications met method and/or project specific QC criteria.

### Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

---

**CLIENT:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**Lab Order:** 0604004

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
0604004-001A	M-22		4/3/2006 10:07:00 AM	4/4/2006
0604004-002A	OD3		4/3/2006 2:11:00 PM	4/4/2006
0604004-003A	M-23		4/3/2006 5:21:00 PM	4/4/2006
0604004-004A	TB-1		4/3/2006	4/4/2006



**Lab Order:** 0604004  
**Client:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0604004-001A	M-22	4/3/2006 10:07:00 AM	Water	Volatile Organic Compounds by GC/MS			4/5/2006
0604004-002A	OD3	4/3/2006 2:11:00 PM		Volatile Organic Compounds by GC/MS			4/5/2006
0604004-003A	M-23	4/3/2006 5:21:00 PM		Volatile Organic Compounds by GC/MS			4/5/2006
0604004-004A	TB-1	4/3/2006		Volatile Organic Compounds by GC/MS			4/5/2006

## **Chain of Custody**

## **External Chain of Custody**



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

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

**Chain of Custody**

Client: <i>PAS Oswego NY</i>		Analysis/Method					
Project: <i>30880</i>		<i>8260 Voc's</i>					
Sampled by: <i>Martin Koehenecke / Jay Kavanaugh</i>							
Client Contact: _____ Phone # _____							
<b>Sample Description</b>							
Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Comments	
<i>M-22</i>	<i>4/3/06</i>	<i>1007</i>	<i>W</i>	<i>G</i>	<i>3</i>		
<i>ODP</i>		<i>1411</i>			<i>3</i>	<i>Sediment collected w/ sample</i>	
<i>M-23</i>		<i>1721</i>			<i>3</i>		
<i>M-23 MS/MSD</i>		<i>1721</i>			<i>6</i>		
<i>TB-1</i>		<i>1730</i>			<i>2</i>		
Relinquished by: <i>Martin Koehenecke</i>		Date: <i>4-4-06</i>	Time: <i>8:05</i>	Received by: <i>MIOD Tomy</i>		Date: <i>4/4/06</i>	Time: <i>8:05</i>
Relinquished by: _____		Date: _____	Time: _____	Received by: _____		Date: _____	Time: _____
Relinquished by: _____		Date: _____	Time: _____	Received by Lab: _____		Date: _____	Time: _____
Shipment Method: <i>HAND</i>		Airbill Number: _____					

Turnaround Time Required: \_\_\_\_\_  
 Routine  Rush (Specify) \_\_\_\_\_  
 Comments: \_\_\_\_\_  
 Temperature: *6.5°C* *will hold*

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name OGINA PAS

Date and Time Receive 4/4/2006 8:05:00 AM

Work Order Number 0604004

Received by sw2

Checklist completed by M. Terry 4/4/06
Signature Date

Reviewed by JAA 4.4.06
Initials Date

Matrix Carrier name Hand Delivered

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

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section below

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding \_\_\_\_\_

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

Corrective Action \_\_\_\_\_

C:\nt\Project OGINA PAS OSWEGO 0604004

### Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
0604004-001 → 004	A		JK	4/5/06 9:30	8260	NK

## **Analytical Results**



# Life Science Laboratories, Inc.

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

# Analytical Results

StateCertNo: 10155

<b>CLIENT:</b> O'Brien & Gere Inc. of North America	<b>Lab ID:</b> 0604004-001A
<b>Project:</b> PAS Oswego, NY	<b>Client Sample ID:</b> M-22
<b>W Order:</b> 0604004	<b>Collection Date:</b> 04/03/06 10:07
<b>Matrix:</b> WATER	<b>Date Received:</b> 04/04/06 8:05
<b>Inst. ID:</b> MS01 11	<b>Sample Size:</b> 10 mL
<b>ColumnID:</b> Rtx-VMS	<b>%Moisture:</b>
<b>Revision:</b> 04/06/06 4:25:26 P	<b>TestCode:</b> 8260W OLM42
	<b>PrepDate:</b>
	<b>BatchNo:</b> R4948
	<b>FileID:</b> 1-SAMP-T3036.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	04/05/06 13:10
Chloromethane	ND		1.00	0.13	µg/L	1	04/05/06 13:10
Vinyl chloride	ND		1.00	0.04	µg/L	1	04/05/06 13:10
Bromomethane	ND		1.00	0.06	µg/L	1	04/05/06 13:10
Chloroethane	ND		1.00	0.12	µg/L	1	04/05/06 13:10
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	04/05/06 13:10
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	04/05/06 13:10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	04/05/06 13:10
Acetone	ND		10.0	0.82	µg/L	1	04/05/06 13:10
Carbon disulfide	ND		0.50	0.02	µg/L	1	04/05/06 13:10
Methyl acetate	ND		0.50	0.30	µg/L	1	04/05/06 13:10
Methylene chloride	ND		2.00	0.03	µg/L	1	04/05/06 13:10
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	04/05/06 13:10
1,1-Dichloroethane	1.14		0.50	0.03	µg/L	1	04/05/06 13:10
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
2-Butanone	ND		10.0	0.65	µg/L	1	04/05/06 13:10
Chloroform	ND		0.50	0.03	µg/L	1	04/05/06 13:10
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 13:10
Cyclohexane	ND		0.50	0.06	µg/L	1	04/05/06 13:10
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Benzene	0.12	J	0.50	0.01	µg/L	1	04/05/06 13:10
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 13:10
Trichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Methylcyclohexane	ND		0.50	0.03	µg/L	1	04/05/06 13:10
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Bromodichloromethane	ND		0.50	0.03	µg/L	1	04/05/06 13:10
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	04/05/06 13:10
Toluene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Tetrachloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
2-Hexanone	ND		5.00	0.58	µg/L	1	04/05/06 13:10

<b>Qualifiers:</b>	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

<b>CLIENT:</b> O'Brien & Gere Inc. of North America	<b>Lab ID:</b> 0604004-001A
<b>Project:</b> PAS Oswego, NY	<b>Client Sample ID:</b> M-22
<b>W Order:</b> 0604004	<b>Collection Date:</b> 04/03/06 10:07
<b>Matrix:</b> WATER	<b>Date Received:</b> 04/04/06 8:05
<b>Inst. ID:</b> MS01 11	<b>Sample Size:</b> 10 mL
<b>ColumnID:</b> Rtx-VMS	<b>%Moisture:</b>
<b>Revision:</b> 04/06/06 4:25:26 P	<b>TestCode:</b> 8260W OLM42
	<b>PrepDate:</b>
	<b>BatchNo:</b> R4948
	<b>FileID:</b> 1-SAMP-T3036.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND	0.50	0.04	µg/L	1	04/05/06 13:10	
1,2-Dibromoethane	ND	0.50	0.04	µg/L	1	04/05/06 13:10	
Chlorobenzene	ND	0.50	0.01	µg/L	1	04/05/06 13:10	
Ethylbenzene	ND	0.50	0.02	µg/L	1	04/05/06 13:10	
Xylenes (total)	ND	1.00	0.04	µg/L	1	04/05/06 13:10	
Styrene	ND	0.50	0.02	µg/L	1	04/05/06 13:10	
Bromoform	ND	0.50	0.05	µg/L	1	04/05/06 13:10	
Isopropylbenzene	ND	0.50	0.02	µg/L	1	04/05/06 13:10	
1,1,2,2-Tetrachloroethane	ND	0.50	0.08	µg/L	1	04/05/06 13:10	
1,3-Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 13:10	
1,4-Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 13:10	
1,2-Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 13:10	
1,2-Dibromo-3-chloropropane	ND	1.00	0.26	µg/L	1	04/05/06 13:10	
1,2,4-Trichlorobenzene	ND	1.00	0.02	µg/L	1	04/05/06 13:10	
Surr: Dibromofluoromethane	98.7	75-127	0.03	%REC	1	04/05/06 13:10	
Surr: 1,2-Dichloroethane-d4	99.7	75-134	0.04	%REC	1	04/05/06 13:10	
Surr: Toluene-d8	99.6	75-125	0.01	%REC	1	04/05/06 13:10	
Surr: 4-Bromofluorobenzene	92.4	75-125	0.04	%REC	1	04/05/06 13:10	

**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		



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0604004

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 04/06/06 4:25:26 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0604004-002A

Client Sample ID: OD3

Collection Date: 04/03/06 14:11

Date Received: 04/04/06 8:05

PrepDate:

BatchNo: R4948

FileID: 1-SAMP-T3037.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	04/05/06 13:41
Chloromethane	ND		1.00	0.13	µg/L	1	04/05/06 13:41
Vinyl chloride	ND		1.00	0.04	µg/L	1	04/05/06 13:41
Bromomethane	ND		1.00	0.06	µg/L	1	04/05/06 13:41
Chloroethane	ND		1.00	0.12	µg/L	1	04/05/06 13:41
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	04/05/06 13:41
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	04/05/06 13:41
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	04/05/06 13:41
Acetone	ND		10.0	0.82	µg/L	1	04/05/06 13:41
Carbon disulfide	ND		0.50	0.02	µg/L	1	04/05/06 13:41
Methyl acetate	ND		0.50	0.30	µg/L	1	04/05/06 13:41
Methylene chloride	ND		2.00	0.03	µg/L	1	04/05/06 13:41
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	04/05/06 13:41
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
2-Butanone	ND		10.0	0.65	µg/L	1	04/05/06 13:41
Chloroform	ND		0.50	0.03	µg/L	1	04/05/06 13:41
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 13:41
Cyclohexane	ND		0.50	0.06	µg/L	1	04/05/06 13:41
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Benzene	ND		0.50	0.01	µg/L	1	04/05/06 13:41
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 13:41
Trichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Methylcyclohexane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Bromodichloromethane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	04/05/06 13:41
Toluene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Tetrachloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
2-Hexanone	ND		5.00	0.58	µg/L	1	04/05/06 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



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

**CLIENT:** O'Brien & Gere Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0604004

**Matrix:** WATER

**Inst. ID:** MS01 11

**ColumnID:** Rtx-VMS

**Revision:** 04/06/06 4:25:26 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W OLM42

**Lab ID:** 0604004-002A

**Client Sample ID:** OD3

**Collection Date:** 04/03/06 14:11

**Date Received:** 04/04/06 8:05

**PrepDate:**

**BatchNo:** R4948

**FileID:** 1-SAMP-T3037.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	04/05/06 13:41
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	04/05/06 13:41
Chlorobenzene	0.11	J	0.50	0.01	µg/L	1	04/05/06 13:41
Ethylbenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
Xylenes (total)	ND		1.00	0.04	µg/L	1	04/05/06 13:41
Styrene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
Bromoform	ND		0.50	0.05	µg/L	1	04/05/06 13:41
Isopropylbenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	04/05/06 13:41
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
o-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	04/05/06 13:41
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	04/05/06 13:41
Surr: Dibromofluoromethane	97.5		75-127	0.03	%REC	1	04/05/06 13:41
Surr: 1,2-Dichloroethane-d4	100		75-134	0.04	%REC	1	04/05/06 13:41
Surr: Toluene-d8	98.1		75-125	0.01	%REC	1	04/05/06 13:41
Surr: 4-Bromofluorobenzene	90.6		75-125	0.04	%REC	1	04/05/06 13:41

**Modifiers:**

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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0604004

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 04/06/06 4:25:26 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0604004-003A

Client Sample ID: M-23

Collection Date: 04/03/06 17:21

Date Received: 04/04/06 8:05

PrepDate:

BatchNo: R4948

FileID: 1-SAMP-T3038.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	04/05/06 14:13
Chloromethane	ND		1.00	0.13	µg/L	1	04/05/06 14:13
Vinyl chloride	ND		1.00	0.04	µg/L	1	04/05/06 14:13
Bromomethane	ND		1.00	0.06	µg/L	1	04/05/06 14:13
Chloroethane	0.79	J	1.00	0.12	µg/L	1	04/05/06 14:13
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	04/05/06 14:13
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	04/05/06 14:13
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	04/05/06 14:13
Acetone	ND		10.0	0.82	µg/L	1	04/05/06 14:13
Carbon disulfide	ND		0.50	0.02	µg/L	1	04/05/06 14:13
Methyl acetate	ND		0.50	0.30	µg/L	1	04/05/06 14:13
Methylene chloride	ND		2.00	0.03	µg/L	1	04/05/06 14:13
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:13
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	04/05/06 14:13
1,1-Dichloroethane	0.86		0.50	0.03	µg/L	1	04/05/06 14:13
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:13
2-Butanone	ND		10.0	0.65	µg/L	1	04/05/06 14:13
Chloroform	ND		0.50	0.03	µg/L	1	04/05/06 14:13
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 14:13
Cyclohexane	ND		0.50	0.06	µg/L	1	04/05/06 14:13
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	04/05/06 14:13
Benzene	ND		0.50	0.01	µg/L	1	04/05/06 14:13
1,2-Dichloroethane	0.12	J	0.50	0.02	µg/L	1	04/05/06 14:13
Trichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:13
Methylcyclohexane	ND		0.50	0.03	µg/L	1	04/05/06 14:13
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	04/05/06 14:13
Bromodichloromethane	ND		0.50	0.03	µg/L	1	04/05/06 14:13
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	04/05/06 14:13
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	04/05/06 14:13
Toluene	ND		0.50	0.02	µg/L	1	04/05/06 14:13
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	04/05/06 14:13
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 14:13
Tetrachloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:13
2-Hexanone	ND		5.00	0.58	µg/L	1	04/05/06 14:13

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

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



# Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

## Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America  
Project: PAS Oswego, NY

Lab ID: 0604004-003A

Client Sample ID: M-23

W Order: 0604004

Collection Date: 04/03/06 17:21

Matrix: WATER

Date Received: 04/04/06 8:05

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R4948

Revision: 04/06/06 4:25:26 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3038.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND	0.50	0.04		µg/L	1	04/05/06 14:13
1,2-Dibromoethane	ND	0.50	0.04		µg/L	1	04/05/06 14:13
Chlorobenzene	ND	0.50	0.01		µg/L	1	04/05/06 14:13
Ethylbenzene	ND	0.50	0.02		µg/L	1	04/05/06 14:13
Xylenes (total)	ND	1.00	0.04		µg/L	1	04/05/06 14:13
Styrene	ND	0.50	0.02		µg/L	1	04/05/06 14:13
Bromoform	ND	0.50	0.05		µg/L	1	04/05/06 14:13
Isopropylbenzene	ND	0.50	0.02		µg/L	1	04/05/06 14:13
1,1,2,2-Tetrachloroethane	ND	0.50	0.08		µg/L	1	04/05/06 14:13
1,3-Dichlorobenzene	ND	0.50	0.02		µg/L	1	04/05/06 14:13
1,4-Dichlorobenzene	ND	0.50	0.02		µg/L	1	04/05/06 14:13
1,2-Dichlorobenzene	ND	0.50	0.02		µg/L	1	04/05/06 14:13
1,2-Dibromo-3-chloropropane	ND	1.00	0.26		µg/L	1	04/05/06 14:13
1,2,4-Trichlorobenzene	ND	1.00	0.02		µg/L	1	04/05/06 14:13
Surr: Dibromofluoromethane	98.1	75-127	0.03		%REC	1	04/05/06 14:13
Surr: 1,2-Dichloroethane-d4	101	75-134	0.04		%REC	1	04/05/06 14:13
Surr: Toluene-d8	98.5	75-125	0.01		%REC	1	04/05/06 14:13
Surr: 4-Bromofluorobenzene	93.7	75-125	0.04		%REC	1	04/05/06 14:13

**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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0604004

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 04/06/06 4:25:26 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0604004-004A

Client Sample ID: TB-1

Collection Date: 04/03/06 0:00

Date Received: 04/04/06 8:05

PrepDate:

BatchNo: R4948

FileID: 1-SAMP-T3039.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	04/05/06 14:45
Chloromethane	ND		1.00	0.13	µg/L	1	04/05/06 14:45
Vinyl chloride	ND		1.00	0.04	µg/L	1	04/05/06 14:45
Bromomethane	ND		1.00	0.06	µg/L	1	04/05/06 14:45
Chloroethane	ND		1.00	0.12	µg/L	1	04/05/06 14:45
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	04/05/06 14:45
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	04/05/06 14:45
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	04/05/06 14:45
Acetone	ND		10.0	0.82	µg/L	1	04/05/06 14:45
Carbon disulfide	ND		0.50	0.02	µg/L	1	04/05/06 14:45
Ethyl acetate	ND		0.50	0.30	µg/L	1	04/05/06 14:45
Methylene chloride	0.11	J	2.00	0.03	µg/L	1	04/05/06 14:45
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	04/05/06 14:45
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
2-Butanone	ND		10.0	0.65	µg/L	1	04/05/06 14:45
Chloroform	ND		0.50	0.03	µg/L	1	04/05/06 14:45
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 14:45
Cyclohexane	ND		0.50	0.06	µg/L	1	04/05/06 14:45
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Benzene	ND		0.50	0.01	µg/L	1	04/05/06 14:45
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 14:45
Trichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Methylcyclohexane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Bromodichloromethane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	04/05/06 14:45
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	04/05/06 14:45
Toluene	ND		0.50	0.02	µg/L	1	04/05/06 14:45
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Tetrachloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
2-Hexanone	ND		5.00	0.58	µg/L	1	04/05/06 14:45

- 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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0604004

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 04/06/06 4:25:26 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0604004-004A

Client Sample ID: TB-1

Collection Date: 04/03/06 0:00

Date Received: 04/04/06 8:05

PrepDate:

BatchNo: R4948

FileID: 1-SAMP-T3039.D

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

### SW8260B

Dibromochloromethane	ND	0.50	0.04	µg/L	1	04/05/06 14:45
1,2-Dibromoethane	ND	0.50	0.04	µg/L	1	04/05/06 14:45
Chlorobenzene	ND	0.50	0.01	µg/L	1	04/05/06 14:45
Ethylbenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45
Xylenes (total)	ND	1.00	0.04	µg/L	1	04/05/06 14:45
Styrene	ND	0.50	0.02	µg/L	1	04/05/06 14:45
Bromoform	ND	0.50	0.05	µg/L	1	04/05/06 14:45
Isopropylbenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45
1,1,2,2-Tetrachloroethane	ND	0.50	0.08	µg/L	1	04/05/06 14:45
1,3-Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45
1,4-Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45
Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45
1,2-Dibromo-3-chloropropane	ND	1.00	0.26	µg/L	1	04/05/06 14:45
1,2,4-Trichlorobenzene	ND	1.00	0.02	µg/L	1	04/05/06 14:45
Surr: Dibromofluoromethane	97.5	75-127	0.03	%REC	1	04/05/06 14:45
Surr: 1,2-Dichloroethane-d4	101	75-134	0.04	%REC	1	04/05/06 14:45
Surr: Toluene-d8	98.6	75-125	0.01	%REC	1	04/05/06 14:45
Surr: 4-Bromofluorobenzene	93.2	75-125	0.04	%REC	1	04/05/06 14:45

### Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

**LABORATORY SAMPLE IDs AND CASE NARRATIVES**



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**CLIENT:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**Lab Order:** 0604004

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Tag Number</b>	<b>Collection Date</b>	<b>Date Received</b>
0604004-001A	M-22		4/3/2006 10:07:00 AM	4/4/2006
0604004-002A	OD3		4/3/2006 2:11:00 PM	4/4/2006
0604004-003A	M-23		4/3/2006 5:21:00 PM	4/4/2006
0604004-004A	TB-1		4/3/2006	4/4/2006

## GC/MS Volatile Organics Case Narrative

Client ID: O'Brien & Gere Engineers, Inc.  
Project/Order: Oswego PAS  
Work Order #: 0604004  
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): AGC 4-17-06  
Supervisor/Reviewed by (Initials/Date): (AG) 4-20-06  
QA/QC Review (Initials/Date): AG 4-20-06

File Name: G:\Narratives\MSVoa\0604004msvnr.doc

### GC/MS Volatile Organics

The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 mm ID capillary column and a Vocab 3000 trap.

### Holding Times and Sample Preservation

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

### Laboratory Control Sample

The following compound(s) did not meet laboratory control sample recovery criteria:

LCS No.	Compound	% REC	RPD	Corrective Action
LCS-4948	Dibromochloromethane	X		1

- 1 The recovery marginally exceeded the upper control limit and was not detected above the PQL/RL in the associated samples. No corrective action was taken.

### MS/MSD/MSB

All spike recovery and RPD data met method and/or project specific QC criteria.

### Surrogate Standards

All surrogate standard recoveries met method and/or project specific QC criteria.

### Internal Standards

All internal standard areas met method and/or project specific QC criteria.

### Calibrations

All initial calibrations and calibration verifications met method and/or project specific QC criteria.

### Preparation Blanks

All preparation blanks met method and/or project specific QC criteria.

**QUALIFIED REPORT FORMS**



# Life Science Laboratories, Inc.

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# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0604004

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 04/06/06 4:25:26 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0604004-001A

Client Sample ID: M-22

Collection Date: 04/03/06 10:07

Date Received: 04/04/06 8:05

PrepDate:

BatchNo: R4948

FileID: I-SAMP-T3036.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	04/05/06 13:10
Chloromethane	ND		1.00	0.13	µg/L	1	04/05/06 13:10
Vinyl chloride	ND		1.00	0.04	µg/L	1	04/05/06 13:10
Bromomethane	ND		1.00	0.06	µg/L	1	04/05/06 13:10
Chloroethane	ND		1.00	0.12	µg/L	1	04/05/06 13:10
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	04/05/06 13:10
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	04/05/06 13:10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	04/05/06 13:10
Acetone	ND		10.0	0.82	µg/L	1	04/05/06 13:10
Carbon disulfide	ND		0.50	0.02	µg/L	1	04/05/06 13:10
Methyl acetate	ND		0.50	0.30	µg/L	1	04/05/06 13:10
Methylene chloride	ND		2.00	0.03	µg/L	1	04/05/06 13:10
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	04/05/06 13:10
1,1-Dichloroethane	1.14		0.50	0.03	µg/L	1	04/05/06 13:10
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
2-Butanone	ND		10.0	0.65	µg/L	1	04/05/06 13:10
Chloroform	ND		0.50	0.03	µg/L	1	04/05/06 13:10
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 13:10
Cyclohexane	ND		0.50	0.06	µg/L	1	04/05/06 13:10
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Benzene	0.12	J	0.50	0.01	µg/L	1	04/05/06 13:10
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 13:10
Trichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Methylcyclohexane	ND		0.50	0.03	µg/L	1	04/05/06 13:10
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Bromodichloromethane	ND		0.50	0.03	µg/L	1	04/05/06 13:10
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	04/05/06 13:10
Toluene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 13:10
Tetrachloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:10
2-Hexanone	ND		5.00	0.58	µg/L	1	04/05/06 13:10

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		



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East Syracuse, NY 13057 (315) 437-0200

## Analytical Results

StateCertNo: 10155

<b>CLIENT:</b> O'Brien & Gere Inc. of North America	<b>Lab ID:</b> 0604004-001A
<b>Project:</b> PAS Oswego, NY	<b>Client Sample ID:</b> M-22
<b>W Order:</b> 0604004	<b>Collection Date:</b> 04/03/06 10:07
<b>Matrix:</b> WATER	<b>Date Received:</b> 04/04/06 8:05
<b>Inst. ID:</b> MS01 11	<b>Sample Size:</b> 10 mL
<b>ColumnID:</b> Rtx-VMS	<b>%Moisture:</b>
<b>Revision:</b> 04/06/06 4:25:26 P	<b>TestCode:</b> 8260W OLM42
	<b>PrepDate:</b>
	<b>BatchNo:</b> R4948
	<b>FileID:</b> 1-SAMP-T3036.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	04/05/06 13:10
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	04/05/06 13:10
Chlorobenzene	ND		0.50	0.01	µg/L	1	04/05/06 13:10
Ethylbenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
Xylenes (total)	ND		1.00	0.04	µg/L	1	04/05/06 13:10
Styrene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
Bromofom	ND		0.50	0.05	µg/L	1	04/05/06 13:10
Isopropylbenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	04/05/06 13:10
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 13:10
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	04/05/06 13:10
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	04/05/06 13:10
Surr: Dibromofluoromethane	98.7		75-127	0.03	%REC	1	04/05/06 13:10
Surr: 1,2-Dichloroethane-d4	99.7		75-134	0.04	%REC	1	04/05/06 13:10
Surr: Toluene-d8	99.6		75-125	0.01	%REC	1	04/05/06 13:10
Surr: 4-Bromofluorobenzene	92.4		75-125	0.04	%REC	1	04/05/06 13:10

<b>Qualifiers:</b>	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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0604004

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 04/06/06 4:25:26 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0604004-002A

Client Sample ID: OD3

Collection Date: 04/03/06 14:11

Date Received: 04/04/06 8:05

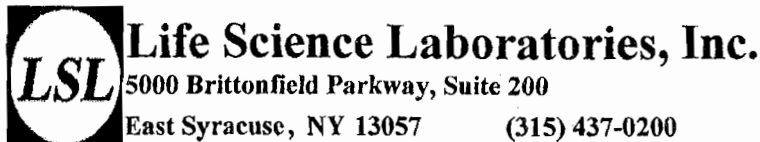
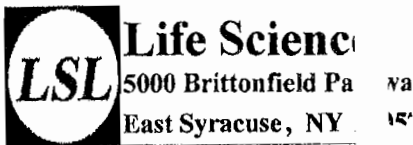
PrepDate:

BatchNo: R4948

FileID: I-SAMP-T3037.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	04/05/06 13:41
Chloromethane	ND		1.00	0.13	µg/L	1	04/05/06 13:41
Vinyl chloride	ND		1.00	0.04	µg/L	1	04/05/06 13:41
Bromomethane	ND		1.00	0.06	µg/L	1	04/05/06 13:41
Chloroethane	ND		1.00	0.12	µg/L	1	04/05/06 13:41
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	04/05/06 13:41
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	04/05/06 13:41
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	04/05/06 13:41
Acetone	ND		10.0	0.82	µg/L	1	04/05/06 13:41
Carbon disulfide	ND		0.50	0.02	µg/L	1	04/05/06 13:41
Methyl acetate	ND		0.50	0.30	µg/L	1	04/05/06 13:41
Methylene chloride	ND		2.00	0.03	µg/L	1	04/05/06 13:41
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	04/05/06 13:41
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
2-Butanone	ND		10.0	0.65	µg/L	1	04/05/06 13:41
Chloroform	ND		0.50	0.03	µg/L	1	04/05/06 13:41
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 13:41
Cyclohexane	ND		0.50	0.06	µg/L	1	04/05/06 13:41
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Benzene	ND		0.50	0.01	µg/L	1	04/05/06 13:41
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 13:41
Trichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Methylcyclohexane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Bromodichloromethane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	04/05/06 13:41
Toluene	ND		0.50	0.02	µg/L	1	04/05/06 13:41
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 13:41
Tetrachloroethene	ND		0.50	0.03	µg/L	1	04/05/06 13:41
2-Hexanone	ND		5.00	0.58	µg/L	1	04/05/06 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



**CLIENT:** O'Brien & Gere Inc  
**Project:** PAS Oswego, NY  
**W Order:** 0604004  
**Matrix:** WATER  
**Inst. ID:** MS01 11  
**ColumnID:** Rtx-VMS  
**Revision:** 04/06/06 4:25:26 P

**CLIENT:** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0604004  
**Matrix:** WATER  
**Inst. ID:** MS01 11  
**ColumnID:** Rtx-VMS  
**Revision:** 04/06/06 4:25:26 P  
**Sample Size:** 10 mL  
**%Moisture:**  
**TestCode:** 8260W OLM42  
**Lab ID:**  
**Client Sample I**  
**Collection Date:**  
**Date Received:**  
**PrepDate:**  
**BatchNo:**  
**FileID:**

**Analyte**

**VOLATILE ORGANIC COMPOUNDS**

- Dichlorodifluoromethane
- Chloromethane
- Vinyl chloride
- Bromomethane
- Chloroethane
- Trichlorofluoromethane
- 1,1-Dichloroethene
- 1,1,2-Trichloro-1,2,2-trifluoroethane
- Acetone
- Carbon disulfide
- Methyl acetate
- Methylene chloride
- trans-1,2-Dichloroethene
- Methyl tert-butyl ether
- 1,1-Dichloroethane
- cis-1,2-Dichloroethene
- 2-Butanone
- Chloroform
- 1,1,1-Trichloroethane
- Cyclohexane
- Carbon tetrachloride
- Benzene
- 1,2-Dichloroethane
- Trichloroethene
- Methylcyclohexane
- 1,2-Dichloropropane
- Bromodichloromethane
- cis-1,3-Dichloropropene
- 4-Methyl-2-pentanone
- Toluene
- trans-1,3-Dichloropropene
- 1,1,2-Trichloroethane
- Tetrachloroethene
- 2-Hexanone

**Analyte Result Qual PQL MDL Ur**

**VOLATILE ORGANIC COMPOUNDS BY GC/MS SW8260B**

Analyte	Result	Qual	PQL	MDL	Ur
Dibromochloromethane	ND		0.50	0.04	µg/l
1,2-Dibromoethane	ND		0.50	0.04	µg/l
Chlorobenzene	0.11	J	0.50	0.01	µg/l
Ethylbenzene	ND		0.50	0.02	µg/l
Xylenes (total)	ND		1.00	0.04	µg/l
Styrene	ND		0.50	0.02	µg/l
Bromoform	ND		0.50	0.05	µg/l
Isopropylbenzene	ND		0.50	0.02	µg/l
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/l
1,3-Dichlorobenzene	ND		0.50	0.02	µg/l
1,4-Dichlorobenzene	ND		0.50	0.02	µg/l
1,2-Dichlorobenzene	ND		0.50	0.02	µg/l
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/l
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/l
Surr: Dibromofluoromethane	97.5		75-127	0.03	%R
Surr: 1,2-Dichloroethane-d4	100		75-134	0.04	%R
Surr: Toluene-d8	98.1		75-125	0.01	%R
Surr: 4-Bromofluorobenzene	90.6		75-125	0.04	%R

**Qualifiers:** B Analyte detected in  
 H Holding times for  
 ND Not Detected at  
 S Spike Recovery of

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analysis exceeded  
 ND Not Detected at the Practical Quantitation Limit (PQL)  
 S Spike Recovery outside accepted recovery limits  
 E Value exceeds the  
 J Analyte detected  
 P Prim./Conf. column



# Life Science Laboratories, Inc.

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

## Analytical Results

StateCertNo: 10155

<b>CLIENT:</b> O'Brien & Gere Inc. of North America	<b>Lab ID:</b> 0604004-003A
<b>Project:</b> PAS Oswego, NY	<b>Client Sample ID:</b> M-23
<b>W Order:</b> 0604004	<b>Collection Date:</b> 04/03/06 17:21
<b>Matrix:</b> WATER	<b>Date Received:</b> 04/04/06 8:05
<b>Inst. ID:</b> MS01 11	<b>Sample Size:</b> 10 mL
<b>ColumnID:</b> Rtx-VMS	<b>%Moisture:</b>
<b>Revision:</b> 04/06/06 4:25:26 P	<b>TestCode:</b> 8260W OLM42
	<b>PrepDate:</b>
	<b>BatchNo:</b> R4948
	<b>FileID:</b> 1-SAMP-T3038.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	04/05/06 14:13
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	04/05/06 14:13
Chlorobenzene	ND		0.50	0.01	µg/L	1	04/05/06 14:13
Ethylbenzene	ND		0.50	0.02	µg/L	1	04/05/06 14:13
Xylenes (total)	ND		1.00	0.04	µg/L	1	04/05/06 14:13
Styrene	ND		0.50	0.02	µg/L	1	04/05/06 14:13
Bromoform	ND		0.50	0.05	µg/L	1	04/05/06 14:13
Isopropylbenzene	ND		0.50	0.02	µg/L	1	04/05/06 14:13
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	04/05/06 14:13
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 14:13
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 14:13
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	04/05/06 14:13
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	04/05/06 14:13
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	04/05/06 14:13
Surr: Dibromofluoromethane	98.1		75-127	0.03	%REC	1	04/05/06 14:13
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	04/05/06 14:13
Surr: Toluene-d8	98.5		75-125	0.01	%REC	1	04/05/06 14:13
Surr: 4-Bromofluorobenzene	93.7		75-125	0.04	%REC	1	04/05/06 14:13

<b>Qualifiers:</b>	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

<b>CLIENT:</b> O'Brien & Gere Inc. of North America	<b>Lab ID:</b> 0604004-004A
<b>Project:</b> PAS Oswego, NY	<b>Client Sample ID:</b> TB-1
<b>W Order:</b> 0604004	<b>Collection Date:</b> 04/03/06 0:00
<b>Matrix:</b> WATER	<b>Date Received:</b> 04/04/06 8:05
<b>Inst. ID:</b> MS01 11	<b>Sample Size:</b> 10 mL
<b>ColumnID:</b> Rtx-VMS	<b>%Moisture:</b>
<b>Revision:</b> 04/06/06 4:25:26 P	<b>TestCode:</b> 8260W OLM42
	<b>PrepDate:</b>
	<b>BatchNo:</b> R4948
	<b>FileID:</b> 1-SAMP-T3039.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	04/05/06 14:45
Chloromethane	ND		1.00	0.13	µg/L	1	04/05/06 14:45
Vinyl chloride	ND		1.00	0.04	µg/L	1	04/05/06 14:45
Bromomethane	ND		1.00	0.06	µg/L	1	04/05/06 14:45
Chloroethane	ND		1.00	0.12	µg/L	1	04/05/06 14:45
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	04/05/06 14:45
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	04/05/06 14:45
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	04/05/06 14:45
Acetone	ND		10.0	0.82	µg/L	1	04/05/06 14:45
Carbon disulfide	ND		0.50	0.02	µg/L	1	04/05/06 14:45
Methyl acetate	ND		0.50	0.30	µg/L	1	04/05/06 14:45
Methylene chloride	0.11	J	2.00	0.03	µg/L	1	04/05/06 14:45
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	04/05/06 14:45
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
2-Butanone	ND		10.0	0.65	µg/L	1	04/05/06 14:45
Chloroform	ND		0.50	0.03	µg/L	1	04/05/06 14:45
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 14:45
Cyclohexane	ND		0.50	0.06	µg/L	1	04/05/06 14:45
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Benzene	ND		0.50	0.01	µg/L	1	04/05/06 14:45
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	04/05/06 14:45
Trichloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Methylcyclohexane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Bromodichloromethane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	04/05/06 14:45
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	04/05/06 14:45
Toluene	ND		0.50	0.02	µg/L	1	04/05/06 14:45
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	04/05/06 14:45
Tetrachloroethene	ND		0.50	0.03	µg/L	1	04/05/06 14:45
2-Hexanone	ND		5.00	0.58	µg/L	1	04/05/06 14:45

<b>Qualifiers:</b>	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 Inc. of North America  
**Project:** PAS Oswego, NY

**Lab ID:** 0604004-004A

**Client Sample ID:** TB-1

**W Order:** 0604004

**Collection Date:** 04/03/06 0:00

**Matrix:** WATER

**Date Received:** 04/04/06 8:05

**Inst. ID:** MS01 11

**Sample Size:** 10 mL

**PrepDate:**

**ColumnID:** Rtx-VMS

**%Moisture:**

**BatchNo:** R4948

**Revision:** 04/06/06 4:25:26 P

**TestCode:** 8260W OLM42

**FileID:** 1-SAMP-T3039.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND	0.50	0.04	µg/L	1	04/05/06 14:45	
1,2-Dibromoethane	ND	0.50	0.04	µg/L	1	04/05/06 14:45	
Chlorobenzene	ND	0.50	0.01	µg/L	1	04/05/06 14:45	
Ethylbenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45	
Xylenes (total)	ND	1.00	0.04	µg/L	1	04/05/06 14:45	
Styrene	ND	0.50	0.02	µg/L	1	04/05/06 14:45	
Bromofom	ND	0.50	0.05	µg/L	1	04/05/06 14:45	
Isopropylbenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45	
1,1,2,2-Tetrachloroethane	ND	0.50	0.08	µg/L	1	04/05/06 14:45	
1,3-Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45	
4-Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45	
1,2-Dichlorobenzene	ND	0.50	0.02	µg/L	1	04/05/06 14:45	
1,2-Dibromo-3-chloropropane	ND	1.00	0.26	µg/L	1	04/05/06 14:45	
1,2,4-Trichlorobenzene	ND	1.00	0.02	µg/L	1	04/05/06 14:45	
Surr: Dibromofluoromethane	97.5	75-127	0.03	%REC	1	04/05/06 14:45	
Surr: 1,2-Dichloroethane-d4	101	75-134	0.04	%REC	1	04/05/06 14:45	
Surr: Toluene-d8	98.6	75-125	0.01	%REC	1	04/05/06 14:45	
Surr: 4-Bromofluorobenzene	93.2	75-125	0.04	%REC	1	04/05/06 14:45	

**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

# Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

Facsimile 518-251-4428

May 5, 2006

Anthony Geiss  
O'Brien & Gere Inc. of North America  
5000 Brittonfield Parkway  
Syracuse, NY 13221

RE: Validation of PAS Oswego Site Data Packages  
Life Science Laboratories, Inc. report 0604004

Dear Mr. Geiss:

Review has been completed for the data package generated by Life Science Laboratories, Inc. that pertains to aqueous samples collected 04/03/06 at the Pollution Abatement Services Site. Three aqueous samples were analyzed for low level TCL volatiles by USEPA SW846 method 8260B. Matrix spikes/duplicates and a trip blank were also processed.

Data validation was performed with guidance from the most current editions of the USEPA Region II SOP HW-24 and the USEPA CLP National Functional Guidelines for Organic Data Review, with consideration for method requirements. The following items were reviewed:

- \* Data Completeness
- \* Custody Documentation
- \* Holding Times
- \* Surrogate and Internal Standard Recoveries
- \* Matrix Spike Recoveries/Duplicate Correlations
- \* Preparation/Calibration Blanks
- \* Control Spike/Laboratory Control Samples
- \* Instrumental Tunes
- \* Calibration Standards
- \* Instrument IDLs
- \* Method Compliance
- \* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

**In summary**, sample processing was primarily conducted with compliance to protocol requirements and with adherence to quality criteria. Sample results are usable as reported.

Copies of the laboratory report forms and the laboratory case narrative are attached.

**Volatile Analyses by EPA 8260B**

Holding times, surrogate and internal standard recoveries, and instrumental tunes meet laboratory protocol and validation requirements. Method and trip blanks show no contamination of analytes detected in the samples.

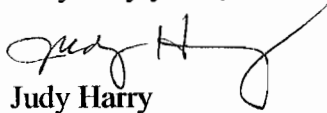
Calibration standard responses are within validation guidelines.

Matrix spikes of M-23 evaluate all target analytes, and all recoveries and duplicate correlation values are acceptable. Associated Laboratory Control Sample recoveries are also acceptable.

Processing was compliant, and results are substantiated by the raw data.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

  
Judy Harry

## **VALIDATION QUALIFIER DEFINITIONS**

## DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U** - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N** - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ** - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ** - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

# Analytical Results

StateCertNo: 10155

<b>CLIENT</b>	O'Brien & Gere Inc. of North America	<b>Lab ID:</b>	0605067-001A
<b>Project:</b>	PAS Oswego, NY	<b>Client Sample ID:</b>	<i>Equipment Blank</i>
<b>W Order:</b>	0605067	<b>Collection Date:</b>	05/08/06 11:20
<b>Matrix:</b>	WATER	<b>Date Received:</b>	05/09/06 17:00
<b>Inst. ID:</b>	MS01_11	<b>Sample Size:</b>	10 mL
<b>ColumnID:</b>	Rlx-VMS	<b>%Moisture:</b>	
<b>Revision:</b>	05/16/06 12:06:55 P	<b>TestCode:</b>	8260W_OLM42
		<b>PrepDate:</b>	
		<b>BatchNo:</b>	R5331
		<b>FileID:</b>	1-SAMP-T3475.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 12:14
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 12:14
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 12:14
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 12:14
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 12:14
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 12:14
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 12:14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 12:14
Acetone	1.07	J	10.0	0.82	µg/L	1	05/11/06 12:14
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 12:14
Methylene chloride	0.14	J	2.00	0.03	µg/L	1	05/11/06 12:14
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 12:14
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 12:14
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 12:14
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 12:14
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 12:14
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 12:14

<b>Qualifiers:</b>	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: 06/05/06 13:52

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

<b>CLIENT</b>	O'Brien & Gere Inc. of North America	<b>Lab ID:</b>	0605067-001A
<b>Project:</b>	PAS Oswego, NY	<b>Client Sample ID:</b>	<i>Equipment Blank</i>
<b>W Order:</b>	0605067	<b>Collection Date:</b>	05/08/06 11:20
<b>Matrix:</b>	WATER	<b>Date Received:</b>	05/09/06 17:00
<b>Inst. ID:</b>	MS01_11	<b>Sample Size:</b>	10 mL
<b>ColumnID:</b>	Rtx-VMS	<b>%Moisture:</b>	
<b>Revision:</b>	05/16/06 12:06:55 P	<b>TestCode:</b>	8260W_OLM42
		<b>PrepDate:</b>	
		<b>BatchNo:</b>	R5331
		<b>FileID:</b>	1-SAMP-T3475.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 12:14
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 12:14
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 12:14
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Xylenes (total)	ND		1.00	0.04	µg/L	1	05/11/06 12:14
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 12:14
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 12:14
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 12:14
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 12:14
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	05/11/06 12:14
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	05/11/06 12:14
Surr: Toluene-d8	101		75-125	0.01	%REC	1	05/11/06 12:14
Surr: 4-Bromofluorobenzene	94.8		75-125	0.04	%REC	1	05/11/06 12:14

**Qualifiers:**

- |    |  |   |  |
|----|--|---|--|
| B  | Analyte detected in the associated Method Blank        | E | Value exceeds the instrument calibration range |
| II | 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 Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-002A

**Client Sample ID:** M-21

**Collection Date:** 05/08/06 12:05

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3476.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 12:46
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 12:46
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 12:46
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 12:46
Chloroethane	1.00		1.00	0.12	µg/L	1	05/11/06 12:46
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 12:46
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 12:46
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 12:46
Acetone	3.30	J	10.0	0.82	µg/L	1	05/11/06 12:46
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 12:46
Methylene chloride	0.11	J	2.00	0.03	µg/L	1	05/11/06 12:46
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 12:46
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 12:46
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 12:46
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Cyclohexane	0.31	J	0.50	0.06	µg/L	1	05/11/06 12:46
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Benzene	0.31	J	0.50	0.01	µg/L	1	05/11/06 12:46
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 12:46
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 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



# Life Science Laboratories, Inc.

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

# Analytical Results

StateCertNo: 10155

<b>CLIENT</b>	O'Brien & Gere Inc. of North America	<b>Lab ID:</b>	0605067-002A
<b>Project:</b>	PAS Oswego, NY	<b>Client Sample ID:</b>	M-21
<b>W Order:</b>	0605067	<b>Collection Date:</b>	05/08/06 12:05
<b>Matrix:</b>	WATER	<b>Date Received:</b>	05/09/06 17:00
<b>Inst. ID:</b>	MS01_11	<b>Sample Size:</b>	10 mL
<b>ColumnID:</b>	Rtx-VMS	<b>%Moisture:</b>	
<b>Revision:</b>	05/16/06 12:06:55 P	<b>TestCode:</b>	8260W_OLM42
		<b>PrepDate:</b>	
		<b>BatchNo:</b>	R5331
		<b>FileID:</b>	1-SAMP-T3476.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 12:46
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 12:46
Chlorobenzene	0.53		0.50	0.01	µg/L	1	05/11/06 12:46
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Xylenes (total)	ND		1.00	0.04	µg/L	1	05/11/06 12:46
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 12:46
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 12:46
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
1,4-Dichlorobenzene	0.12	J	0.50	0.02	µg/L	1	05/11/06 12:46
1,2-Dichlorobenzene	0.28	J	0.50	0.02	µg/L	1	05/11/06 12:46
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 12:46
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 12:46
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	05/11/06 12:46
Surr: 1,2-Dichloroethane-d4	100		75-134	0.04	%REC	1	05/11/06 12:46
Surr: Toluene-d8	99.8		75-125	0.01	%REC	1	05/11/06 12:46
Surr: 4-Bromofluorobenzene	96.2		75-125	0.04	%REC	1	05/11/06 12:46

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
	II	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: 06/05/06 13:52

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 Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**Sample Size:** 10 mL

**ColumnID:** Rtx-VMS

**%Moisture:**

**Revision:** 05/16/06 12:06:55 P

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-003A

**Client Sample ID:** OD-3

**Collection Date:** 05/08/06 13:40

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3477.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 13:18
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 13:18
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 13:18
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 13:18
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 13:18
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 13:18
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 13:18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 13:18
Acetone	1.27	J	10.0	0.82	µg/L	1	05/11/06 13:18
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 13:18
Methylene chloride	ND		2.00	0.03	µg/L	1	05/11/06 13:18
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:18
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 13:18
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 13:18
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 13:18
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 13:18
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 13:18
Toluene	0.16	J	0.50	0.02	µg/L	1	05/11/06 13:18
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 13:18
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Tetrachloroethene	0.21	J	0.50	0.03	µg/L	1	05/11/06 13:18
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 13:18

**Qualifiers:**

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-003A

**Client Sample ID:** OD-3

**Collection Date:** 05/08/06 13:40

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3477.D

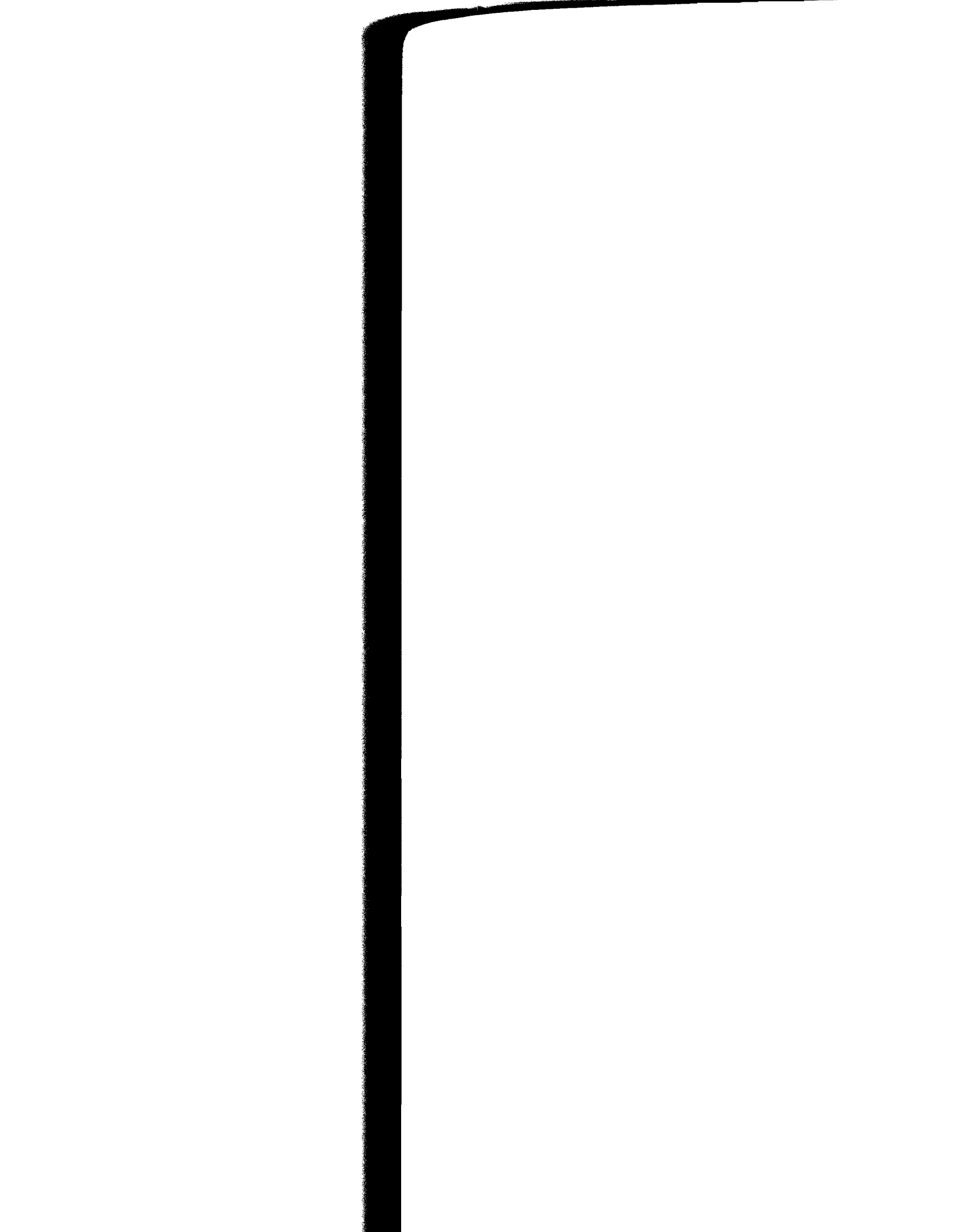
Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 13:18
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 13:18
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 13:18
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Xylenes (total)	0.11	J	1.00	0.04	µg/L	1	05/11/06 13:18
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 13:18
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 13:18
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 13:18
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 13:18
Surr: Dibromofluoromethane	107		75-127	0.03	%REC	1	05/11/06 13:18
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	05/11/06 13:18
Surr: Toluene-d8	102		75-125	0.01	%REC	1	05/11/06 13:18
Surr: 4-Bromofluorobenzene	92.1		75-125	0.04	%REC	1	05/11/06 13:18

**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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-004A

**Client Sample ID:** LR-8

**Collection Date:** 05/08/06 15:25

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3478.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 13:51
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 13:51
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 13:51
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 13:51
Chloroethane	5.26		1.00	0.12	µg/L	1	05/11/06 13:51
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 13:51
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 13:51
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 13:51
Acetone	2.99	J	10.0	0.82	µg/L	1	05/11/06 13:51
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 13:51
Methylene chloride	0.22	J	2.00	0.03	µg/L	1	05/11/06 13:51
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 13:51
1,1-Dichloroethane	0.10	J	0.50	0.03	µg/L	1	05/11/06 13:51
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 13:51
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 13:51
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Cyclohexane	1.22		0.50	0.06	µg/L	1	05/11/06 13:51
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Benzene	9.00		0.50	0.01	µg/L	1	05/11/06 13:51
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Methylcyclohexane	0.13	J	0.50	0.03	µg/L	1	05/11/06 13:51
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 13:51
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 13:51
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 13:51
Toluene	0.32	J	0.50	0.02	µg/L	1	05/11/06 13:51
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 13:51

**Qualifiers:**

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

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

Print Date: 06/05/06 13:52

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 Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-004A

**Client Sample ID:** LR-8

**Collection Date:** 05/08/06 15:25

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3478.D

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

SW8260B

Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 13:51
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 13:51
Chlorobenzene	7.87		0.50	0.01	µg/L	1	05/11/06 13:51
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Xylenes (total)	0.35	J	1.00	0.04	µg/L	1	05/11/06 13:51
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 13:51
Isopropylbenzene	0.39	J	0.50	0.02	µg/L	1	05/11/06 13:51
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 13:51
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:51
1,4-Dichlorobenzene	0.49	J	0.50	0.02	µg/L	1	05/11/06 13:51
1,2-Dichlorobenzene	0.33	J	0.50	0.02	µg/L	1	05/11/06 13:51
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 13:51
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 13:51
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	05/11/06 13:51
Surr: 1,2-Dichloroethane-d4	102		75-134	0.04	%REC	1	05/11/06 13:51
Surr: Toluene-d8	99.4		75-125	0.01	%REC	1	05/11/06 13:51
Surr: 4-Bromofluorobenzene	96.3		75-125	0.04	%REC	1	05/11/06 13:51

### Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim.:Conf. column %D or RPD exceeds limit

Print Date: 06/05/06 13:52

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** MS01\_11  
**Column ID:** Rix-VMS  
**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL  
**%Moisture:**  
**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-005A  
**Client Sample ID:** M-23  
**Collection Date:** 05/08/06 17:30  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5331  
**FileID:** 1-SAMP-T3479.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 14:23
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 14:23
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 14:23
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 14:23
Chloroethane	1.36		1.00	0.12	µg/L	1	05/11/06 14:23
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 14:23
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 14:23
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 14:23
Acetone	ND		10.0	0.82	µg/L	1	05/11/06 14:23
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 14:23
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 14:23
Methylene chloride	ND		2.00	0.03	µg/L	1	05/11/06 14:23
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 14:23
1,1-Dichloroethane	0.90		0.50	0.03	µg/L	1	05/11/06 14:23
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 14:23
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 14:23
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 14:23
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 14:23
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 14:23
1,2-Dichloroethane	0.13	J	0.50	0.02	µg/L	1	05/11/06 14:23
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 14:23
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 14:23
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 14:23
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 14:23

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim. Conf. column %D or RPD exceeds limit





# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-005A

**Client Sample ID:** M-23

**Collection Date:** 05/08/06 17:30

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3479.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 14:23
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 14:23
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 14:23
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
Xylenes (total)	ND		1.00	0.04	µg/L	1	05/11/06 14:23
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 14:23
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 14:23
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 14:23
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 14:23
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	05/11/06 14:23
Surr: 1,2-Dichloroethane-d4	102		75-134	0.04	%REC	1	05/11/06 14:23
Surr: Toluene-d8	103		75-125	0.01	%REC	1	05/11/06 14:23
Surr: 4-Bromofluorobenzene	94.6		75-125	0.04	%REC	1	05/11/06 14:23

**Qualifiers:**

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 06/05/06 13:52

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 Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-006A

**Client Sample ID:** M-22

**Collection Date:** 05/09/06 9:00

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** I-SAMP-T3480.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 14:57
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 14:57
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 14:57
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 14:57
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 14:57
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 14:57
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 14:57
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 14:57
Acetone	1.60	J	10.0	0.82	µg/L	1	05/11/06 14:57
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 14:57
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 14:57
Methylene chloride	0.15	J	2.00	0.03	µg/L	1	05/11/06 14:57
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 14:57
1,1-Dichloroethane	0.14	J	0.50	0.03	µg/L	1	05/11/06 14:57
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 14:57
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 14:57
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 14:57
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 14:57
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 14:57
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 14:57
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 14:57
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 14:57
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 14:57
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 14:57

**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



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-006A

**Client Sample ID:** M-22

**Collection Date:** 05/09/06 9:00

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3480.D

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

SW8260B

Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 14:57
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 14:57
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 14:57
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
Xylenes (total)	ND		1.00	0.04	µg/L	1	05/11/06 14:57
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 14:57
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 14:57
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 14:57
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 14:57
Surr: Dibromofluoromethane	104		75-127	0.03	%REC	1	05/11/06 14:57
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	05/11/06 14:57
Surr: Toluene-d8	102		75-125	0.01	%REC	1	05/11/06 14:57
Surr: 4-Bromofluorobenzene	92.8		75-125	0.04	%REC	1	05/11/06 14:57

### Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Practical Quantitation Limit (PQL)

S Spike Recovery outside accepted recovery limits

E Value exceeds the instrument calibration range

J Analyte detected below the PQL

P Prim./Conf. column %D or RPD exceeds limit

Print Date: 06/05/06 13:52

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 Inc. of North America  
**Project:** PAS Oswego, NY

**Lab ID:** 0605067-007A

**Client Sample ID:** LR-6

**W Order:** 0605067

**Collection Date:** 05/09/06 10:40

**Matrix:** WATER

**Date Received:** 05/09/06 17:00

**Inst. ID:** MS01\_11

**Sample Size:** 10 mL

**PrepDate:**

**ColumnID:** R1x-VMS

**%Moisture:**

**BatchNo:** R5331

**Revision:** 05/16/06 12:06:55 P

**TestCode:** 8260W\_OLM42

**FileID:** 1-SAMP-T3481.D

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

SW8260B

Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 15:29
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 15:29
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 15:29
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 15:29
Chloroethane	0.34	J	1.00	0.12	µg/L	1	05/11/06 15:29
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 15:29
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 15:29
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 15:29
Acetone	1.85	J	10.0	0.82	µg/L	1	05/11/06 15:29
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 15:29
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 15:29
Methylene chloride	0.16	J	2.00	0.03	µg/L	1	05/11/06 15:29
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 15:29
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 15:29
1,1-Dichloroethane	3.28		0.50	0.03	µg/L	1	05/11/06 15:29
cis-1,2-Dichloroethene	0.13	J	0.50	0.03	µg/L	1	05/11/06 15:29
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 15:29
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 15:29
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 15:29
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 15:29
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 15:29
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 15:29
1,2-Dichloroethane	0.12	J	0.50	0.02	µg/L	1	05/11/06 15:29
Trichloroethene	0.20	J	0.50	0.03	µg/L	1	05/11/06 15:29
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 15:29
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 15:29
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 15:29
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 15:29
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 15:29
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 15:29
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 15:29
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 15:29

**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: 06/05/06 13:52

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 Inc. of North America

**Lab ID:** 0605067-007A

**Project:** PAS Oswego, NY

**Client Sample ID:** LR-6

**W Order:** 0605067

**Collection Date:** 05/09/06 10:40

**Matrix:** WATER

**Date Received:** 05/09/06 17:00

**Inst. ID:** MS01\_11

**Sample Size:** 10 mL

**PrepDate:**

**ColumnID:** Rtx-VMS

**%Moisture:**

**BatchNo:** R5331

**Revision:** 05/16/06 12:06:55 P

**TestCode:** 8260W\_OLM42

**FileID:** 1-SAMP-T3481.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 15:29
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 15:29
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 15:29
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
Xylenes (total)	ND		1.00	0.04	µg/L	1	05/11/06 15:29
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 15:29
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 15:29
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 15:29
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 15:29
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	05/11/06 15:29
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	05/11/06 15:29
Surr: Toluene-d8	99.4		75-125	0.01	%REC	1	05/11/06 15:29
Surr: 4-Bromofluorobenzene	91.3		75-125	0.04	%REC	1	05/11/06 15:29

**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: 06/05/06 13:52

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** MS01\_11  
**ColumnID:** Rtx-VMS  
**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL  
**%Moisture:**  
**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-008A  
**Client Sample ID:** LCW-2  
**Collection Date:** 05/09/06 11:40  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5331  
**FileID:** 1-SAMP-T3482.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		5.00	0.34	µg/L	5	05/11/06 16:02
Chloromethane	ND		5.00	0.63	µg/L	5	05/11/06 16:02
Vinyl chloride	12.0		5.00	0.19	µg/L	5	05/11/06 16:02
Bromomethane	ND		5.00	0.30	µg/L	5	05/11/06 16:02
Chloroethane	9.05		5.00	0.58	µg/L	5	05/11/06 16:02
Trichlorofluoromethane	ND		5.00	0.10	µg/L	5	05/11/06 16:02
1,1-Dichloroethene	ND		2.50	0.23	µg/L	5	05/11/06 16:02
1,1,2-Trichloro-1,2,2-trifluoroethane	0.90	J	2.50	0.22	µg/L	5	05/11/06 16:02
Acetone	14.9	J	50.0	4.12	µg/L	5	05/11/06 16:02
Carbon disulfide	ND		2.50	0.10	µg/L	5	05/11/06 16:02
Methyl acetate	ND		2.50	1.52	µg/L	5	05/11/06 16:02
Methylene chloride	0.70	J	10.0	0.17	µg/L	5	05/11/06 16:02
trans-1,2-Dichloroethene	12.1		2.50	0.14	µg/L	5	05/11/06 16:02
Methyl tert-butyl ether	ND		2.50	0.12	µg/L	5	05/11/06 16:02
1,1-Dichloroethane	83.5		2.50	0.16	µg/L	5	05/11/06 16:02
cis-1,2-Dichloroethene	1.85	J	2.50	0.16	µg/L	5	05/11/06 16:02
2-Butanone	ND		50.0	3.24	µg/L	5	05/11/06 16:02
Chloroform	8.35		2.50	0.15	µg/L	5	05/11/06 16:02
1,1,1-Trichloroethane	18.4		2.50	0.08	µg/L	5	05/11/06 16:02
Cyclohexane	0.60	J	2.50	0.29	µg/L	5	05/11/06 16:02
Carbon tetrachloride	ND		2.50	0.16	µg/L	5	05/11/06 16:02
Benzene	250	E	2.50	0.05	µg/L	5	05/11/06 16:02
1,2-Dichloroethane	5.35		2.50	0.12	µg/L	5	05/11/06 16:02
Trichloroethene	4.65		2.50	0.14	µg/L	5	05/11/06 16:02
Methylcyclohexane	ND		2.50	0.17	µg/L	5	05/11/06 16:02
1,2-Dichloropropane	ND		2.50	0.13	µg/L	5	05/11/06 16:02
Bromodichloromethane	ND		2.50	0.16	µg/L	5	05/11/06 16:02
cis-1,3-Dichloropropene	ND		2.50	0.11	µg/L	5	05/11/06 16:02
4-Methyl-2-pentanone	ND		25.0	1.88	µg/L	5	05/11/06 16:02
Toluene	9.30		2.50	0.09	µg/L	5	05/11/06 16:02
trans-1,3-Dichloropropene	ND		2.50	0.15	µg/L	5	05/11/06 16:02
1,1,2-Trichloroethane	8.00		2.50	0.14	µg/L	5	05/11/06 16:02
Tetrachloroethene	0.75	J	2.50	0.15	µg/L	5	05/11/06 16:02
2-Hexanone	ND		25.0	2.90	µg/L	5	05/11/06 16:02

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 06/05/06 13:52

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** MS01\_11  
**ColumnID:** Rtx-VMS  
**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL  
**%Moisture:**  
**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-008A  
**Client Sample ID:** LCW-2  
**Collection Date:** 05/09/06 11:40  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5331  
**FileID:** 1-SAMP-T3482.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		2.50	0.20	µg/L	5	05/11/06 16:02
1,2-Dibromoethane	ND		2.50	0.18	µg/L	5	05/11/06 16:02
Chlorobenzene	50.9		2.50	0.06	µg/L	5	05/11/06 16:02
Ethylbenzene	147		2.50	0.12	µg/L	5	05/11/06 16:02
Xylenes (total)	81.8		5.00	0.21	µg/L	5	05/11/06 16:02
Styrene	ND		2.50	0.10	µg/L	5	05/11/06 16:02
Bromoform	ND		2.50	0.24	µg/L	5	05/11/06 16:02
Isopropylbenzene	0.65	J	2.50	0.11	µg/L	5	05/11/06 16:02
1,1,2,2-Tetrachloroethane	48.8		2.50	0.41	µg/L	5	05/11/06 16:02
1,3-Dichlorobenzene	0.55	J	2.50	0.10	µg/L	5	05/11/06 16:02
1,4-Dichlorobenzene	1.20	J	2.50	0.08	µg/L	5	05/11/06 16:02
1,2-Dichlorobenzene	6.00		2.50	0.10	µg/L	5	05/11/06 16:02
1,2-Dibromo-3-chloropropane	ND		5.00	1.31	µg/L	5	05/11/06 16:02
1,2,4-Trichlorobenzene	ND		5.00	0.12	µg/L	5	05/11/06 16:02
Surr: Dibromofluoromethane	105		75-127	0.13	%REC	5	05/11/06 16:02
Surr: 1,2-Dichloroethane-d4	101		75-134	0.18	%REC	5	05/11/06 16:02
Surr: Toluene-d8	102		75-125	0.06	%REC	5	05/11/06 16:02
Surr: 4-Bromofluorobenzene	98.3		75-125	0.18	%REC	5	05/11/06 16:02

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/18/06 8:22:02 A

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-008A

**Client Sample ID:** LCW-2

**Collection Date:** 05/09/06 11:40

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5368

**FileID:** 1-DL-T3500.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		10.0	0.67	µg/L	10	05/15/06 12:21
Chloromethane	ND		10.0	1.26	µg/L	10	05/15/06 12:21
Vinyl chloride	11.8		10.0	0.38	µg/L	10	05/15/06 12:21
Bromomethane	ND		10.0	0.59	µg/L	10	05/15/06 12:21
Chloroethane	9.50	J	10.0	1.16	µg/L	10	05/15/06 12:21
Trichlorofluoromethane	ND		10.0	0.20	µg/L	10	05/15/06 12:21
1,1-Dichloroethene	ND		5.00	0.46	µg/L	10	05/15/06 12:21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	0.43	µg/L	10	05/15/06 12:21
Acetone	20.7	J	100	8.23	µg/L	10	05/15/06 12:21
Carbon disulfide	ND		5.00	0.20	µg/L	10	05/15/06 12:21
Methyl acetate	ND		5.00	3.05	µg/L	10	05/15/06 12:21
Methylene chloride	ND		20.0	0.34	µg/L	10	05/15/06 12:21
trans-1,2-Dichloroethene	12.7		5.00	0.27	µg/L	10	05/15/06 12:21
Methyl tert-butyl ether	ND		5.00	0.25	µg/L	10	05/15/06 12:21
1,1-Dichloroethane	82.2		5.00	0.33	µg/L	10	05/15/06 12:21
cis-1,2-Dichloroethene	2.00	J	5.00	0.32	µg/L	10	05/15/06 12:21
2-Butanone	ND		100	6.49	µg/L	10	05/15/06 12:21
Chloroform	8.50		5.00	0.29	µg/L	10	05/15/06 12:21
1,1,1-Trichloroethane	18.3		5.00	0.15	µg/L	10	05/15/06 12:21
Cyclohexane	ND		5.00	0.57	µg/L	10	05/15/06 12:21
Carbon tetrachloride	ND		5.00	0.32	µg/L	10	05/15/06 12:21
Benzene	265		5.00	0.10	µg/L	10	05/15/06 12:21
1,2-Dichloroethane	5.50		5.00	0.24	µg/L	10	05/15/06 12:21
Trichloroethene	4.90	J	5.00	0.27	µg/L	10	05/15/06 12:21
Methylcyclohexane	ND		5.00	0.34	µg/L	10	05/15/06 12:21
1,2-Dichloropropane	ND		5.00	0.26	µg/L	10	05/15/06 12:21
Bromodichloromethane	ND		5.00	0.31	µg/L	10	05/15/06 12:21
cis-1,3-Dichloropropene	ND		5.00	0.21	µg/L	10	05/15/06 12:21
4-Methyl-2-pentanone	ND		50.0	3.75	µg/L	10	05/15/06 12:21
Toluene	9.30		5.00	0.18	µg/L	10	05/15/06 12:21
trans-1,3-Dichloropropene	ND		5.00	0.29	µg/L	10	05/15/06 12:21
1,1,2-Trichloroethane	8.50		5.00	0.28	µg/L	10	05/15/06 12:21
Tetrachloroethene	ND		5.00	0.30	µg/L	10	05/15/06 12:21
2-Hexanone	ND		50.0	5.80	µg/L	10	05/15/06 12:21

**Qualifiers:**

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

- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim. Conf. column %D or RPD exceeds limit





# Life Science Laboratories, Inc.

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

# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** MS01\_11  
**ColumnID:** Rtx-VMS  
**Revision:** 05/18/06 8:22:02 A

**Sample Size:** 10 mL  
**%Moisture:**  
**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-008A  
**Client Sample ID:** LCW-2  
**Collection Date:** 05/09/06 11:40  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5368  
**FileID:** 1-DL-T3500.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		5.00	0.41	µg/L	10	05/15/06 12:21
1,2-Dibromoethane	ND		5.00	0.35	µg/L	10	05/15/06 12:21
Chlorobenzene	51.1		5.00	0.11	µg/L	10	05/15/06 12:21
Ethylbenzene	145		5.00	0.24	µg/L	10	05/15/06 12:21
Xylenes (total)	79.3		10.0	0.42	µg/L	10	05/15/06 12:21
Styrene	ND		5.00	0.20	µg/L	10	05/15/06 12:21
Bromoform	ND		5.00	0.47	µg/L	10	05/15/06 12:21
Isopropylbenzene	ND		5.00	0.21	µg/L	10	05/15/06 12:21
1,1,2,2-Tetrachloroethane	48.1		5.00	0.81	µg/L	10	05/15/06 12:21
1,3-Dichlorobenzene	ND		5.00	0.20	µg/L	10	05/15/06 12:21
1,4-Dichlorobenzene	1.20 J		5.00	0.17	µg/L	10	05/15/06 12:21
1,2-Dichlorobenzene	5.90		5.00	0.19	µg/L	10	05/15/06 12:21
1,2-Dibromo-3-chloropropane	ND		10.0	2.61	µg/L	10	05/15/06 12:21
1,2,4-Trichlorobenzene	ND		10.0	0.25	µg/L	10	05/15/06 12:21
Surr: Dibromofluoromethane	104		75-127	0.26	%REC	10	05/15/06 12:21
Surr: 1,2-Dichloroethane-d4	102		75-134	0.37	%REC	10	05/15/06 12:21
Surr: Toluene-d8	102		75-125	0.12	%REC	10	05/15/06 12:21
Surr: 4-Bromofluorobenzene	96.2		75-125	0.35	%REC	10	05/15/06 12:21

**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



# Life Science Laboratories, Inc.

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

## Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** DO Meter  
**ColumnID:**  
**Revision:** 05/30/06 5:52:17 P

**Sample Size:** NA  
**%Moisture:**  
**TestCode:** BOD405.1

**Lab ID:** 0605067-008B  
**Client Sample ID:** LCW-2  
**Collection Date:** 05/09/06 11:40  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5378  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
BOD, 5 DAY				EPA 405.1			
Biochemical Oxygen Demand	21	5.0		0	mg/L	1	05/10/06 16:00

**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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

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## Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** Mettler balance **Sample Size:** NA  
**ColumnID:** **%Moisture:**  
**Revision:** 05/17/06 10:02:24 A **TestCode:** TDS160.1

**Lab ID:** 0605067-008B  
**Client Sample ID:** LCW-2  
**Collection Date:** 05/09/06 11:40  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5352  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>TOTAL DISSOLVED SOLIDS</b>				EPA 160.1			
Total Dissolved Solids (Residue, Filterable)	1800	10		10	mg/L	1	05/11/06

**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: 06/05/06 13:52

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** Mettler balance **Sample Size:** NA  
**ColumnID:** **%Moisture:**  
**Revision:** 05/11/06 2:00:23 P **TestCode:** TSS160.2

**Lab ID:** 0605067-008B  
**Client Sample ID:** LCW-2  
**Collection Date:** 05/09/06 11:40  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5338  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
RESIDUE, SUSPENDED (TSS)				EPA 160.2			
Residue, Suspended (TSS)	66	5.0		5.0	mg/L	1	05/11/06

**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



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## Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** GENESYS 20 **Sample Size:** NA  
**ColumnID:** **%Moisture:**  
**Revision:** 05/10/06 3:25:56 P **TestCode:** COD410.4

**Lab ID:** 0605067-008C  
**Client Sample ID:** LCW-2  
**Collection Date:** 05/09/06 11:40  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5321  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
COD				EPA 410.4			
Chemical Oxygen Demand	210	20		13	mg/L	2	05/10/06

**Qualifiers:** B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL.  
P Prim./Conf. column %D or RPD exceeds limit



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## Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** TOC-5000A **Sample Size:** NA  
**ColumnID:** **%Moisture:**  
**Revision:** 05/31/06 2:21:25 P **TestCode:** TOC415.1

**Lab ID:** 0605067-008D  
**Client Sample ID:** LCW-2  
**Collection Date:** 05/09/06 11:40  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5568  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>TOTAL ORGANIC CARBON</b>				<b>EPA 415.1</b>			
Total Organic Carbon	67	10		1.7	mg/L	10	05/30/06 18:01

**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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander



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# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY

**Lab ID:** 0605067-009A

**Client Sample ID:** LCW-4

**W Order:** 0605067

**Collection Date:** 05/09/06 13:00

**Matrix:** WATER

**Date Received:** 05/09/06 17:00

**Inst. ID:** MS01\_11

**Sample Size:** 10 mL

**PrepDate:**

**ColumnID:** Rtx-VMS

**%Moisture:**

**BatchNo:** R5331

**Revision:** 05/16/06 12:06:55 P

**TestCode:** 8260W\_OLM42

**FileID:** 1-SAMP-T3483.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		50.0	3.35	µg/L	50	05/11/06 16:34
Chloromethane	ND		50.0	6.30	µg/L	50	05/11/06 16:34
Vinyl chloride	ND		50.0	1.90	µg/L	50	05/11/06 16:34
Bromomethane	ND		50.0	2.95	µg/L	50	05/11/06 16:34
Chloroethane	83.0		50.0	5.80	µg/L	50	05/11/06 16:34
Trichlorofluoromethane	ND		50.0	1.00	µg/L	50	05/11/06 16:34
1,1-Dichloroethene	ND		25.0	2.30	µg/L	50	05/11/06 16:34
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	2.15	µg/L	50	05/11/06 16:34
Acetone	ND		500	41.2	µg/L	50	05/11/06 16:34
Carbon disulfide	ND		25.0	1.00	µg/L	50	05/11/06 16:34
Methyl acetate	ND		25.0	15.2	µg/L	50	05/11/06 16:34
Methylene chloride	ND		100	1.70	µg/L	50	05/11/06 16:34
trans-1,2-Dichloroethene	ND		25.0	1.35	µg/L	50	05/11/06 16:34
Methyl tert-butyl ether	ND		25.0	1.25	µg/L	50	05/11/06 16:34
1,1-Dichloroethane	ND		25.0	1.65	µg/L	50	05/11/06 16:34
cis-1,2-Dichloroethene	ND		25.0	1.60	µg/L	50	05/11/06 16:34
2-Butanone	ND		500	32.4	µg/L	50	05/11/06 16:34
Chloroform	ND		25.0	1.45	µg/L	50	05/11/06 16:34
1,1,1-Trichloroethane	ND		25.0	0.75	µg/L	50	05/11/06 16:34
Cyclohexane	ND		25.0	2.85	µg/L	50	05/11/06 16:34
Carbon tetrachloride	ND		25.0	1.60	µg/L	50	05/11/06 16:34
Benzene	843		25.0	0.50	µg/L	50	05/11/06 16:34
1,2-Dichloroethane	ND		25.0	1.20	µg/L	50	05/11/06 16:34
Trichloroethene	ND		25.0	1.35	µg/L	50	05/11/06 16:34
Methylcyclohexane	ND		25.0	1.70	µg/L	50	05/11/06 16:34
1,2-Dichloropropane	ND		25.0	1.30	µg/L	50	05/11/06 16:34
Bromodichloromethane	ND		25.0	1.55	µg/L	50	05/11/06 16:34
cis-1,3-Dichloropropene	ND		25.0	1.05	µg/L	50	05/11/06 16:34
4-Methyl-2-pentanone	ND		250	18.8	µg/L	50	05/11/06 16:34
Toluene	43.5		25.0	0.90	µg/L	50	05/11/06 16:34
trans-1,3-Dichloropropene	ND		25.0	1.45	µg/L	50	05/11/06 16:34
1,1,2-Trichloroethane	ND		25.0	1.40	µg/L	50	05/11/06 16:34
Tetrachloroethene	ND		25.0	1.50	µg/L	50	05/11/06 16:34
2-Hexanone	ND		250	29.0	µg/L	50	05/11/06 16:34

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

Print Date: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander



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# Analytical Results

StateCertNo: 10155

<b>CLIENT</b>	O'Brien & Gere Inc. of North America	<b>Lab ID:</b>	<b>0605067-009A</b>
<b>Project:</b>	PAS Oswego, NY	<b>Client Sample ID:</b>	<i>LCW-4</i>
<b>W Order:</b>	0605067	<b>Collection Date:</b>	05/09/06 13:00
<b>Matrix:</b>	WATER	<b>Date Received:</b>	05/09/06 17:00
<b>Inst. ID:</b>	MS01_11	<b>Sample Size:</b>	10 mL
<b>ColumnID:</b>	Rtx-VMS	<b>%Moisture:</b>	
<b>Revision:</b>	05/16/06 12:06:55 P	<b>TestCode:</b>	8260W_OLM42
		<b>PrepDate:</b>	
		<b>BatchNo:</b>	R5331
		<b>FileID:</b>	1-SAMP-T3483.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		25.0	2.05	µg/L	50	05/11/06 16:34
1,2-Dibromoethane	ND		25.0	1.75	µg/L	50	05/11/06 16:34
Chlorobenzene	330		25.0	0.55	µg/L	50	05/11/06 16:34
Ethylbenzene	260		25.0	1.20	µg/L	50	05/11/06 16:34
Xylenes (total)	2290		50.0	2.10	µg/L	50	05/11/06 16:34
Styrene	ND		25.0	1.00	µg/L	50	05/11/06 16:34
Bromoform	ND		25.0	2.35	µg/L	50	05/11/06 16:34
Isopropylbenzene	ND		25.0	1.05	µg/L	50	05/11/06 16:34
1,1,2,2-Tetrachloroethane	ND		25.0	4.05	µg/L	50	05/11/06 16:34
1,3-Dichlorobenzene	ND		25.0	1.00	µg/L	50	05/11/06 16:34
1,4-Dichlorobenzene	ND		25.0	0.85	µg/L	50	05/11/06 16:34
1,2-Dichlorobenzene	60.0		25.0	0.95	µg/L	50	05/11/06 16:34
1,2-Dibromo-3-chloropropane	ND		50.0	13.0	µg/L	50	05/11/06 16:34
1,2,4-Trichlorobenzene	ND		50.0	1.25	µg/L	50	05/11/06 16:34
Surr: Dibromofluoromethane	102		75-127	1.30	%REC	50	05/11/06 16:34
Surr: 1,2-Dichloroethane-d4	101		75-134	1.85	%REC	50	05/11/06 16:34
Surr: Toluene-d8	99.7		75-125	0.60	%REC	50	05/11/06 16:34
Surr: 4-Bromofluorobenzene	96.4		75-125	1.75	%REC	50	05/11/06 16:34

<b>Qualifiers:</b>	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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander





# Life Science Laboratories, Inc.

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# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** DO Meter  
**ColumnID:**  
**Revision:** 05/30/06 5:52:17 P

**Sample Size:** NA  
**%Moisture:**  
**TestCode:** BOD405.1

**Lab ID:** 0605067-009B  
**Client Sample ID:** LCW-4  
**Collection Date:** 05/09/06 13:00  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5378  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
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BOD, 5 DAY				EPA 405.1			
Biochemical Oxygen Demand	49		5.0	0	mg/L	1	05/10/06 16:00

**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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

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## Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** Mettler balance **Sample Size:** NA  
**ColumnID:** **%Moisture:**  
**Revision:** 05/17/06 10:02:24 A **TestCode:** TDS160.1

**Lab ID:** 0605067-009B  
**Client Sample ID:** LCW-4  
**Collection Date:** 05/09/06 13:00  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5352  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>TOTAL DISSOLVED SOLIDS</b>				<b>EPA 160.1</b>			
Total Dissolved Solids (Residue, Filterable)	4800	10		10	mg/L	1	05/11/06

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit

**Print Date:** 06/05/06 13:52

**Project Supervisor:** Thomas A. Alexander



# Life Science Laboratories, Inc.

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# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** Mettler balance **Sample Size:** NA  
**ColumnID:** **%Moisture:**  
**Revision:** 05/11/06 2:00:23 P **TestCode:** TSS160.2

**Lab ID:** 0605067-009B  
**Client Sample ID:** LCW-4  
**Collection Date:** 05/09/06 13:00  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5338  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>RESIDUE, SUSPENDED (TSS)</b>				<b>EPA 160.2</b>			
Residue, Suspended (TSS)	97		5.0	5.0	mg/L	1	05/11/06

**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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

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## Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** GENESYS 20 **Sample Size:** NA  
**ColumnID:** **%Moisture:**  
**Revision:** 05/10/06 3:25:56 P **TestCode:** COD410.4

**Lab ID:** 0605067-009C  
**Client Sample ID:** LCW-4  
**Collection Date:** 05/09/06 13:00  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5321  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
COD				EPA 410.4			
Chemical Oxygen Demand	390	50		32	mg/L	5	05/10/06

**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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

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# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** TOC-5000A  
**ColumnID:**  
**Revision:** 05/31/06 2:21:25 P

**Sample Size:** NA  
**%Moisture:**  
**TestCode:** TOC415.1

**Lab ID:** 0605067-009D  
**Client Sample ID:** LCW-4  
**Collection Date:** 05/09/06 13:00  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5568  
**FileID:** 1-SAMP-

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>TOTAL ORGANIC CARBON</b>				<b>EPA 415.1</b>			
Total Organic Carbon	130	10		1.7	mg/L	10	05/30/06 18:23

**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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

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# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America

**Lab ID:** 0605067-010A

**Project:** PAS Oswego, NY

**Client Sample ID:** M-25

**W Order:** 0605067

**Collection Date:** 05/09/06 14:45

**Matrix:** WATER

**Date Received:** 05/09/06 17:00

**Inst. ID:** MS01\_11

**Sample Size:** 10 mL

**PrepDate:**

**ColumnID:** Rtx-VMS

**%Moisture:**

**BatchNo:** R5331

**Revision:** 05/16/06 12:06:55 P

**TestCode:** 8260W\_OLM42

**FileID:** 1-SAMP-T3484.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 17:07
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 17:07
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 17:07
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 17:07
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 17:07
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 17:07
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 17:07
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 17:07
Acetone	ND		10.0	0.82	µg/L	1	05/11/06 17:07
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 17:07
Methylene chloride	0.23	J	2.00	0.03	µg/L	1	05/11/06 17:07
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 17:07
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 17:07
Chloroform	11.9		0.50	0.03	µg/L	1	05/11/06 17:07
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 17:07
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 17:07
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 17:07
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Bromodichloromethane	7.65		0.50	0.03	µg/L	1	05/11/06 17:07
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 17:07
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 17:07

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

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



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

**CLIENT** O'Brien & Gere Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-010A

**Client Sample ID:** M-25

**Collection Date:** 05/09/06 14:45

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3484.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	3.45		0.50	0.04	µg/L	1	05/11/06 17:07
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 17:07
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 17:07
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Xylenes (total)	0.18	J	1.00	0.04	µg/L	1	05/11/06 17:07
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 17:07
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 17:07
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 17:07
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 17:07
Surr: Dibromofluoromethane	106		75-127	0.03	%REC	1	05/11/06 17:07
Surr: 1,2-Dichloroethane-d4	104		75-134	0.04	%REC	1	05/11/06 17:07
Surr: Toluene-d8	101		75-125	0.01	%REC	1	05/11/06 17:07
Surr: 4-Bromofluorobenzene	93.9		75-125	0.04	%REC	1	05/11/06 17:07

**Qualifiers:**

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
II	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 Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-011A

**Client Sample ID:** M-26

**Collection Date:** 05/09/06 16:00

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3485.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND	1.00		0.07	µg/L	1	05/11/06 17:39
Chloromethane	ND	1.00		0.13	µg/L	1	05/11/06 17:39
Vinyl chloride	ND	1.00		0.04	µg/L	1	05/11/06 17:39
Bromomethane	ND	1.00		0.06	µg/L	1	05/11/06 17:39
Chloroethane	ND	1.00		0.12	µg/L	1	05/11/06 17:39
Trichlorofluoromethane	ND	1.00		0.02	µg/L	1	05/11/06 17:39
1,1-Dichloroethene	ND	0.50		0.05	µg/L	1	05/11/06 17:39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.50		0.04	µg/L	1	05/11/06 17:39
Acetone	1.06 J	10.0		0.82	µg/L	1	05/11/06 17:39
Carbon disulfide	ND	0.50		0.02	µg/L	1	05/11/06 17:39
Methyl acetate	ND	0.50		0.30	µg/L	1	05/11/06 17:39
Methylene chloride	ND	2.00		0.03	µg/L	1	05/11/06 17:39
trans-1,2-Dichloroethene	ND	0.50		0.03	µg/L	1	05/11/06 17:39
Methyl tert-butyl ether	ND	0.50		0.02	µg/L	1	05/11/06 17:39
1,1-Dichloroethane	ND	0.50		0.03	µg/L	1	05/11/06 17:39
cis-1,2-Dichloroethene	ND	0.50		0.03	µg/L	1	05/11/06 17:39
2-Butanone	ND	10.0		0.65	µg/L	1	05/11/06 17:39
Chloroform	ND	0.50		0.03	µg/L	1	05/11/06 17:39
1,1,1-Trichloroethane	ND	0.50		0.02	µg/L	1	05/11/06 17:39
Cyclohexane	ND	0.50		0.06	µg/L	1	05/11/06 17:39
Carbon tetrachloride	ND	0.50		0.03	µg/L	1	05/11/06 17:39
Benzene	ND	0.50		0.01	µg/L	1	05/11/06 17:39
1,2-Dichloroethane	ND	0.50		0.02	µg/L	1	05/11/06 17:39
Trichloroethene	ND	0.50		0.03	µg/L	1	05/11/06 17:39
Methylcyclohexane	ND	0.50		0.03	µg/L	1	05/11/06 17:39
1,2-Dichloropropane	ND	0.50		0.03	µg/L	1	05/11/06 17:39
Bromodichloromethane	ND	0.50		0.03	µg/L	1	05/11/06 17:39
cis-1,3-Dichloropropene	ND	0.50		0.02	µg/L	1	05/11/06 17:39
4-Methyl-2-pentanone	ND	5.00		0.38	µg/L	1	05/11/06 17:39
Toluene	ND	0.50		0.02	µg/L	1	05/11/06 17:39
trans-1,3-Dichloropropene	ND	0.50		0.03	µg/L	1	05/11/06 17:39
1,1,2-Trichloroethane	ND	0.50		0.03	µg/L	1	05/11/06 17:39
Tetrachloroethene	ND	0.50		0.03	µg/L	1	05/11/06 17:39
2-Hexanone	ND	5.00		0.58	µg/L	1	05/11/06 17:39

**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





# Life Science Laboratories, Inc.

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

# Analytical Results

StateCertNo: 10155

<b>CLIENT</b>	O'Brien & Gere Inc. of North America	<b>Lab ID:</b>	0605067-011A
<b>Project:</b>	PAS Oswego, NY	<b>Client Sample ID:</b>	M-26
<b>W Order:</b>	0605067	<b>Collection Date:</b>	05/09/06 16:00
<b>Matrix:</b>	WATER	<b>Date Received:</b>	05/09/06 17:00
<b>Inst. ID:</b>	MS01_11	<b>Sample Size:</b>	10 mL
<b>ColumnID:</b>	Rtx-VMS	<b>%Moisture:</b>	
<b>Revision:</b>	05/16/06 12:06:55 P	<b>TestCode:</b>	8260W_OLM42
		<b>PrepDate:</b>	
		<b>BatchNo:</b>	R5331
		<b>FileID:</b>	1-SAMP-T3485.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
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VOLATILE ORGANIC COMPOUNDS BY GC/MS				SW8260B			
Dibromochloromethane	ND	0.50	0.04	µg/L	1	05/11/06 17:39	
1,2-Dibromoethane	ND	0.50	0.04	µg/L	1	05/11/06 17:39	
Chlorobenzene	ND	0.50	0.01	µg/L	1	05/11/06 17:39	
Ethylbenzene	ND	0.50	0.02	µg/L	1	05/11/06 17:39	
Xylenes (total)	ND	1.00	0.04	µg/L	1	05/11/06 17:39	
Styrene	ND	0.50	0.02	µg/L	1	05/11/06 17:39	
Bromoform	ND	0.50	0.05	µg/L	1	05/11/06 17:39	
Isopropylbenzene	ND	0.50	0.02	µg/L	1	05/11/06 17:39	
1,1,2,2-Tetrachloroethane	ND	0.50	0.08	µg/L	1	05/11/06 17:39	
1,3-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 17:39	
1,4-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 17:39	
1,2-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 17:39	
1,2-Dibromo-3-chloropropane	ND	1.00	0.26	µg/L	1	05/11/06 17:39	
1,2,4-Trichlorobenzene	ND	1.00	0.02	µg/L	1	05/11/06 17:39	
Surr: Dibromofluoromethane	104	75-127	0.03	%REC	1	05/11/06 17:39	
Surr: 1,2-Dichloroethane-d4	105	75-134	0.04	%REC	1	05/11/06 17:39	
Surr: Toluene-d8	103	75-125	0.01	%REC	1	05/11/06 17:39	
Surr: 4-Bromofluorobenzene	91.0	75-125	0.04	%REC	1	05/11/06 17:39	

<b>Qualifiers:</b>	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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** MS01\_11  
**ColumnID:** Rtx-VMS  
**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL  
**%Moisture:**  
**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-012A  
**Client Sample ID:** QC Trip Blank  
**Collection Date:** 05/08/06 0:00  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5331  
**FileID:** 1-SAMP-T3486.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 18:13
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 18:13
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 18:13
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 18:13
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 18:13
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 18:13
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 18:13
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 18:13
Acetone	1.00	J	10.0	0.82	µg/L	1	05/11/06 18:13
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 18:13
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 18:13
Methylene chloride	0.17	J	2.00	0.03	µg/L	1	05/11/06 18:13
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 18:13
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 18:13
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 18:13
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 18:13
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 18:13
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 18:13
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 18:13
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 18:13
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 18:13
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 18:13
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 18:13

**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 Inc. of North America

**Project:** PAS Oswego, NY

**W Order:** 0605067

**Matrix:** WATER

**Inst. ID:** MS01\_11

**ColumnID:** Rtx-VMS

**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL

**%Moisture:**

**TestCode:** 8260W\_OLM42

**Lab ID:** 0605067-012A

**Client Sample ID:** QC Trip Blank

**Collection Date:** 05/08/06 0:00

**Date Received:** 05/09/06 17:00

**PrepDate:**

**BatchNo:** R5331

**FileID:** 1-SAMP-T3486.D

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

SW8260B

Dibromochloromethane	ND	0.50	0.04	µg/L	1	05/11/06 18:13
1,2-Dibromoethane	ND	0.50	0.04	µg/L	1	05/11/06 18:13
Chlorobenzene	ND	0.50	0.01	µg/L	1	05/11/06 18:13
Ethylbenzene	ND	0.50	0.02	µg/L	1	05/11/06 18:13
Xylenes (total)	ND	1.00	0.04	µg/L	1	05/11/06 18:13
Styrene	ND	0.50	0.02	µg/L	1	05/11/06 18:13
Bromoform	ND	0.50	0.05	µg/L	1	05/11/06 18:13
Isopropylbenzene	ND	0.50	0.02	µg/L	1	05/11/06 18:13
1,1,2,2-Tetrachloroethane	ND	0.50	0.08	µg/L	1	05/11/06 18:13
1,3-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 18:13
1,4-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 18:13
1,2-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 18:13
1,2-Dibromo-3-chloropropane	ND	1.00	0.26	µg/L	1	05/11/06 18:13
1,2,4-Trichlorobenzene	ND	1.00	0.02	µg/L	1	05/11/06 18:13
Surr: Dibromofluoromethane	105	75-127	0.03	%REC	1	05/11/06 18:13
Surr: 1,2-Dichloroethane-d4	104	75-134	0.04	%REC	1	05/11/06 18:13
Surr: Toluene-d8	102	75-125	0.01	%REC	1	05/11/06 18:13
Surr: 4-Bromofluorobenzene	90.3	75-125	0.04	%REC	1	05/11/06 18:13

**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: 06/05/06 13:52

Project Supervisor: Thomas A. Alexander

# Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

Facsimile 518-251-4428

June 30, 2006

Anthony Geiss  
O'Brien & Gere Inc. of North America  
5000 Brittonfield Parkway  
Syracuse, NY 13221

RE: Validation of PAS Site Data Packages  
Life Science Laboratories, Inc. report 0605067

Dear Mr. Geiss:

Review has been completed for the data package generated by Life Science Laboratories, Inc. that pertains to aqueous samples collected 05/08/06 and 05/09/06 at the Pollution Abatement Services Site. Five aqueous samples were analyzed for low level TCL volatiles by USEPA SW846 method 8260B. Matrix spikes/duplicates and a equipment/trip blanks were also processed. Validation was not required for data of leachate samples reported within the data package.

Data validation was performed with guidance from the most current editions of the USEPA Region II SOP HW-6 and the USEPA CLP National Functional Guidelines for Organic Data Review, with consideration for method and QAPP requirements. The following items were reviewed:

- \* Data Completeness
- \* Custody Documentation
- \* Holding Times
- \* Surrogate and Internal Standard Recoveries
- \* Matrix Spike Recoveries/Duplicate Correlations
- \* Preparation/Calibration Blanks
- \* Control Spike/Laboratory Control Samples
- \* Instrumental Tunes
- \* Calibration Standards
- \* Instrument IDs
- \* Method Compliance
- \* Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

**In summary**, sample processing was primarily conducted with compliance to protocol requirements and with adherence to quality criteria. Sample results are usable as reported, with the exception of the edit of detected values for two common contaminants to reflect non-detection. Copies of laboratory report forms are attached, reflecting the edits noted within this report. Also attached is a copy of the laboratory case narrative.

**Volatile Analyses by EPA 8260B**

Results for acetone and methylene chloride in the validated samples are considered external contamination, due to presence at similar levels in the equipment and trip blanks. These detections have been edited to reflect non-detection at either the PQL, or the originally reported concentration, whichever is greater.

Holding times, surrogate and internal standard recoveries, and instrumental tunes meet protocol/QAPP requirements. Method blanks show no contamination.

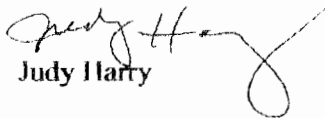
Calibration standard responses are within analytical and validation guidelines.

Matrix spikes of M-21 evaluate all target analytes, and all recoveries are acceptable. Associated Laboratory Control Sample recoveries are also acceptable. Six of the analytes show elevated duplicate correlation values, but those compounds were not detected in the parent sample, and reported results are unaffected.

Processing was compliant, and results are substantiated by the raw data.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

  
Judy Harry

## **VALIDATION QUALIFIER DEFINITIONS**

## DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the national qualifiers assigned to results in the data review process. If the Regions choose to use additional qualifiers, a complete explanation of those qualifiers should accompany the data review.

- U** - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J** - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N** - The analysis indicates the present of an analyte for which there is presumptive evidence to make a "tentative identification."
- NJ** - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- UJ** - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**LABORATORY SAMPLE IDs AND CASE NARRATIVES**



CLIENT: O'Brien & Gere Inc. of North America  
 Project: PAS Oswego, NY  
 Lab Order: 0605067

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0605067-001A	Equipment Blank		5/8/2006 11:20:00 AM	5/9/2006
0605067-002A	M-21		5/8/2006 12:05:00 PM	5/9/2006
0605067-003A	OD-3		5/8/2006 1:40:00 PM	5/9/2006
0605067-004A	LR-8		5/8/2006 3:25:00 PM	5/9/2006
0605067-005A	M-23		5/8/2006 5:30:00 PM	5/9/2006
0605067-006A	M-22		5/9/2006 9:00:00 AM	5/9/2006
0605067-007A	LR-6		5/9/2006 10:40:00 AM	5/9/2006
0605067-008A	LCW-2		5/9/2006 11:40:00 AM	5/9/2006
0605067-008B	LCW-2		5/9/2006 11:40:00 AM	5/9/2006
0605067-008C	LCW-2		5/9/2006 11:40:00 AM	5/9/2006
0605067-008D	LCW-2		5/9/2006 11:40:00 AM	5/9/2006
0605067-009A	LCW-4		5/9/2006 1:00:00 PM	5/9/2006
0605067-009B	LCW-4		5/9/2006 1:00:00 PM	5/9/2006
0605067-009C	LCW-4		5/9/2006 1:00:00 PM	5/9/2006
0605067-009D	LCW-4		5/9/2006 1:00:00 PM	5/9/2006
0605067-010A	M-25		5/9/2006 2:45:00 PM	5/9/2006
0605067-011A	M-26		5/9/2006 4:00:00 PM	5/9/2006
0605067-012A	QC Trip Blank		5/8/2006	5/9/2006

## Project Management Case Narrative

### INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for O'Brien & Gere Inc. of North America samples from the PAS site located in Oswego, NY. Samples were delivered to Life Science Laboratories, Inc. in Syracuse, NY for analysis. Immediately following the narrative is the Work Order Sample Summary that lists the site descriptions, sample numbers, date(s) collected, date(s) received, package number(s).

### CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies and proper preservation. Chains of custody documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

No discrepancies were noted upon receipt. The hand-delivered cooler temperature was 4.6°C.

### METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
Volatile Organics	8260B	1
Biochemical Oxygen Demand 5	EPA 415.1	2
Chemical Oxygen Demand	EPA 410.4	2
Total Dissolved Solids	EPA 160.1	2
Total Organic Carbon	EPA 415.1	2
Total Suspended Solids	EPA 160.2	2

- 1) Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.
- 2) Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1983.

### QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

### RAW DATA

The raw data is organized in a format similar to the US EPA Contract Laboratory Program order of data requirements.

Total # of Pages 4/51

### GC/MS Volatile Organics Case Narrative

Client: OGINA PAS  
Project/Order: PAS Oswego, NY  
Work Order #: 0605067  
Methodology: 8260B

Analyzed/Reviewed by (Initials/Date): JK 6/5/06

Supervisor/Reviewed by (Initials/Date): (W) 6-5-06

QA/QC Review (Initials/Date): JK 4/5/06

File Name: G:\Narratives\MSVoa\0605067msvnr.doc

#### GC/MS Volatile Organics

The GC/MS Volatile instruments used a Restek RLX-VMS, 40 m x 0.18 mm ID capillary column and a Vocab 3000 trap.

#### Holding Times and Sample Preservation

All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Samples had a pH of < 2.

#### Laboratory Control Sample

All spike recoveries met method and/or project specific QC criteria.

#### MS/MSD/MSB

The following compound(s) did not meet matrix spike/matrix spike duplicate percent recovery and/or RPD criteria:

Sample Description	Sample #	Compound	% REC	RPD	Corrective Action
M-25	0605067-10	Dichlorodifluoromethane		X	1
		Chloromethane		X	1
		Vinyl Chloride		X	1
		Chloroethane		X	1
		Trichlorofluoromethane		X	1
		Carbon Disulfide		X	1

1 The recovery for these compounds in the associated LCS and/or duplicate LCS was within acceptance limits. No corrective action was taken.

#### Surrogate Standards

All surrogate standard recoveries met method and/or project specific QC criteria.

#### Internal Standards

All internal standard areas met method and/or project specific QC criteria.

GC/MS Volatile Organics Case Narrative - Page 2

Client: OGINA PAS  
Project/Order: PAS Oswego, NY  
Work Order #: 0605067  
Methodology: 8260B

**Calibrations**

All initial calibrations and calibration verifications met method and/or project specific QC criteria.

**Preparation Blanks**

All preparation blanks met method and/or project specific QC criteria.

**QUALIFIED REPORT FORMS**



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

# Analytical Results

State Cert No: 10155

CLIENT: O'Brien & Gere Inc. of North America

Lab ID: 0605067-001A

Project: PAS Oswego, NY

Client Sample ID: Equipment Blank

W Order: 0605067

Collection Date: 05/08/06 11:20

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

Prep Date:

Column ID: Rtx-VMS

%Moisture:

Batch No: R5331

Revision: 05/16/06 12:06:55 P

Test Code: 8260W OLM42

File ID: 1-SAMP-T3475.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 12:14
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 12:14
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 12:14
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 12:14
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 12:14
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 12:14
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 12:14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 12:14
Acetone	1.07	J	10.0	0.82	µg/L	1	05/11/06 12:14
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 12:14
Methylene chloride	0.14	J	2.00	0.03	µg/L	1	05/11/06 12:14
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 12:14
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 12:14
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 12:14
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 12:14
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 12:14
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 12:14
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:14
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 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: 05/18/06 7:28

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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0605067-001A

Client Sample ID: *Equipment Blank*

Collection Date: 05/08/06 11:20

Date Received: 05/09/06 17:00

PrepDate:

BatchNo: R5331

FileID: 1-SAMP-T3475.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 12:14
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 12:14
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 12:14
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Xylenes (total)	ND		1.00	0.04	µg/L	1	05/11/06 12:14
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
Bromofom	ND		0.50	0.05	µg/L	1	05/11/06 12:14
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 12:14
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:14
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 12:14
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 12:14
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	05/11/06 12:14
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	05/11/06 12:14
Surr: Toluene-d8	101		75-125	0.01	%REC	1	05/11/06 12:14
Surr: 4-Bromofluorobenzene	94.8		75-125	0.04	%REC	1	05/11/06 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: 05/18/06 7:28

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 Inc. of North America

Lab ID: 0605067-002A

Project: PAS Oswego, NY

Client Sample ID: M-21

W Order: 0605067

Collection Date: 05/08/06 12:05

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3476.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 12:46
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 12:46
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 12:46
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 12:46
Chloroethane	1.00		1.00	0.12	µg/L	1	05/11/06 12:46
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 12:46
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 12:46
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 12:46
Acetone	ND	3.30 J	10.0	0.82	µg/L	1	05/11/06 12:46
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 12:46
Methylene chloride	ND	0.11 J	2.00	0.03	µg/L	1	05/11/06 12:46
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 12:46
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 12:46
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 12:46
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Cyclohexane	0.31 J		0.50	0.06	µg/L	1	05/11/06 12:46
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Benzene	0.31 J		0.50	0.01	µg/L	1	05/11/06 12:46
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 12:48
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 12:46
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 12:46
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 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: 05/18/06 7:28

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 Inc. of North America  
**Project:** PAS Oswego, NY  
**W Order:** 0605067  
**Matrix:** WATER  
**Inst. ID:** MS01 11  
**ColumnID:** Rtx-VMS  
**Revision:** 05/16/06 12:06:55 P

**Sample Size:** 10 mL  
**%Moisture:**  
**TestCode:** 8260W OLM42

**Lab ID:** 0605067-002A  
**Client Sample ID:** M-21  
**Collection Date:** 05/08/06 12:05  
**Date Received:** 05/09/06 17:00  
**PrepDate:**  
**BatchNo:** R5331  
**FileID:** 1-SAMP-T3476.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 12:46
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 12:46
Chlorobenzene	0.53		0.50	0.01	µg/L	1	05/11/06 12:46
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Xylenes (total)	ND		1.00	0.04	µg/L	1	05/11/06 12:46
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
Bromoforn	ND		0.50	0.05	µg/L	1	05/11/06 12:46
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 12:46
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 12:46
1,4-Dichlorobenzene	0.12	J	0.50	0.02	µg/L	1	05/11/06 12:46
1,2-Dichlorobenzene	0.28	J	0.50	0.02	µg/L	1	05/11/06 12:46
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 12:46
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 12:46
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	05/11/06 12:46
Surr: 1,2-Dichloroethane-d4	100		75-134	0.04	%REC	1	05/11/06 12:46
Surr: Toluene-d8	99.8		75-125	0.01	%REC	1	05/11/06 12:46
Surr: 4-Bromofluorobenzene	96.2		75-125	0.04	%REC	1	05/11/06 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: 05/18/06 7:28

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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0605067-003A

Client Sample ID: OD-3

Collection Date: 05/08/06 13:40

Date Received: 05/09/06 17:00

PrepDate:

BatchNo: R5331

FileID: 1-SAMP-T3477.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 13:18
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 13:18
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 13:18
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 13:18
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 13:18
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 13:18
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 13:18
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 13:18
Acetone	1.27	J	10.0	0.82	µg/L	1	05/11/06 13:18
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 13:18
Methylene chloride	ND		2.00	0.03	µg/L	1	05/11/06 13:18
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:18
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 13:18
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 13:18
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 13:18
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 13:18
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 13:18
Toluene	0.16	J	0.50	0.02	µg/L	1	05/11/06 13:18
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 13:18
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 13:18
Tetrachloroethene	0.21	J	0.50	0.03	µg/L	1	05/11/06 13:18
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 13:18

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: 05/18/06 7:28

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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01.11

ColumnID: Rix-VMS

Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0605067-003A

Client Sample ID: OD-3

Collection Date: 05/08/06 13:40

Date Received: 05/09/06 17:00

PrepDate:

BatchNo: R5331

FileID: 1-SAMP-T3477.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 13:18
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 13:18
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 13:18
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Xylenes (total)	0.11	J	1.00	0.04	µg/L	1	05/11/06 13:18
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 13:18
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 13:18
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:18
1,2-Dibromo-3-chloropropane	ND		1.00	0.28	µg/L	1	05/11/06 13:18
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 13:18
Surr: Dibromofluoromethane	107		75-127	0.03	%REC	1	05/11/06 13:18
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	05/11/06 13:18
Surr: Toluene-d8	102		75-125	0.01	%REC	1	05/11/06 13:18
Surr: 4-Bromofluorobenzene	92.1		75-125	0.04	%REC	1	05/11/06 13:18

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: 05/18/06 7:28

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 Inc. of North America

Lab ID: 0605067-004A

Project: PAS Oswego, NY

Client Sample ID: LR-8

W Order: 0605067

Collection Date: 05/08/06 15:25

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: I-SAMP-T3478.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 13:51
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 13:51
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 13:51
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 13:51
Chloroethane	6.26		1.00	0.12	µg/L	1	05/11/06 13:51
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 13:51
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 13:51
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 13:51
Acetone	2.99	J	10.0	0.82	µg/L	1	05/11/06 13:51
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 13:51
Methylene chloride	0.22	J	2.00	0.03	µg/L	1	05/11/06 13:51
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 13:51
1,1-Dichloroethane	0.10	J	0.50	0.03	µg/L	1	05/11/06 13:51
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 13:51
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 13:51
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Cyclohexane	1.22		0.50	0.06	µg/L	1	05/11/06 13:51
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Benzene	9.00		0.50	0.01	µg/L	1	05/11/06 13:51
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Methylcyclohexane	0.13	J	0.50	0.03	µg/L	1	05/11/06 13:51
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 13:51
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 13:51
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 13:51
Toluene	0.32	J	0.50	0.02	µg/L	1	05/11/06 13:51
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 13:51
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 13:51
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 13:51

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: 05/18/06 7:28

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 Inc. of North America

Lab ID: 0605067-004A

Project: PAS Oswego, NY

Client Sample ID: LR-8

W Order: 0605067

Collection Date: 05/08/06 15:25

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3478.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 13:51
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 13:51
Chlorobenzene	7.87		0.50	0.01	µg/L	1	05/11/06 13:51
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Xylenes (total)	0.35	J	1.00	0.04	µg/L	1	05/11/06 13:51
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 13:51
Bromofom	ND		0.50	0.05	µg/L	1	05/11/06 13:51
Isopropylbenzene	0.39	J	0.50	0.02	µg/L	1	05/11/06 13:51
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 13:51
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 13:51
1,4-Dichlorobenzene	0.49	J	0.50	0.02	µg/L	1	05/11/06 13:51
1,2-Dichlorobenzene	0.33	J	0.50	0.02	µg/L	1	05/11/06 13:51
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 13:51
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 13:51
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	05/11/06 13:51
Surr: 1,2-Dichloroethane-d4	102		75-134	0.04	%REC	1	05/11/06 13:51
Surr: Toluene-d8	99.4		75-125	0.01	%REC	1	05/11/06 13:51
Surr: 4-Bromofluorobenzene	96.3		75-125	0.04	%REC	1	05/11/06 13:51

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: 05/18/06 7:28

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

# Analytical Results

State Cert No: 10155

CLIENT: O'Brien & Gere Inc. of North America

Lab ID: 0605067-005A

Project: PAS Oswego, NY

Client Sample ID: M-23

W Order: 0605067

Collection Date: 05/08/06 17:30

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

Prep Date:

Column ID: Rtx-VMS

%Moisture:

Batch No: R5331

Revision: 05/16/06 12:06:55 P

Test Code: 8260W OLM42

File ID: 1-SAMP-T3479.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 14:23
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 14:23
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 14:23
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 14:23
Chloroethane	1.36		1.00	0.12	µg/L	1	05/11/06 14:23
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 14:23
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 14:23
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 14:23
Acetone	ND		10.0	0.82	µg/L	1	05/11/06 14:23
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 14:23
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 14:23
Methylene chloride	ND		2.00	0.03	µg/L	1	05/11/06 14:23
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 14:23
1,1-Dichloroethane	0.90		0.50	0.03	µg/L	1	05/11/06 14:23
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 14:23
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 14:23
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 14:23
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 14:23
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 14:23
1,2-Dichloroethane	0.13	J	0.50	0.02	µg/L	1	05/11/06 14:23
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 14:23
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 14:23
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 14:23
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 14:23
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 14:23
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:23
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 14:23

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

F Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 05/18/06 7:28

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 Inc. of North America  
Project: PAS Oswego, NY  
W Order: 0605067  
Matrix: WATER  
Inst. ID: MS01 11  
ColumnID: Rtx-VMS  
Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL  
%Moisture:  
TestCode: 8260W OLM42

Lab ID: 0605067-005A  
Client Sample ID: M-23  
Collection Date: 05/08/06 17:30  
Date Received: 05/09/06 17:00  
PrepDate:  
BatchNo: R5331  
FileID: 1-SAMP-T3479.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND	0.50	0.04	µg/L	1	05/11/06 14:23	
1,2-Dibromoethane	ND	0.50	0.04	µg/L	1	05/11/06 14:23	
Chlorobenzene	ND	0.50	0.01	µg/L	1	05/11/06 14:23	
Ethylbenzene	ND	0.50	0.02	µg/L	1	05/11/06 14:23	
Xylenes (total)	ND	1.00	0.04	µg/L	1	05/11/06 14:23	
Styrene	ND	0.50	0.02	µg/L	1	05/11/06 14:23	
Bromoform	ND	0.50	0.05	µg/L	1	05/11/06 14:23	
Isopropylbenzene	ND	0.50	0.02	µg/L	1	05/11/06 14:23	
1,1,2,2-Tetrachloroethane	ND	0.50	0.08	µg/L	1	05/11/06 14:23	
1,3-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 14:23	
1,4-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 14:23	
1,2-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 14:23	
1,2-Dibromo-3-chloropropane	ND	1.00	0.26	µg/L	1	05/11/06 14:23	
1,2,4-Trichlorobenzene	ND	1.00	0.02	µg/L	1	05/11/06 14:23	
Surr: Dibromofluoromethane	103	75-127	0.03	%REC	1	05/11/06 14:23	
Surr: 1,2-Dichloroethane-d4	102	75-134	0.04	%REC	1	05/11/06 14:23	
Surr: Toluene-d8	103	75-125	0.01	%REC	1	05/11/06 14:23	
Surr: 4-Bromofluorobenzene	94.6	75-125	0.04	%REC	1	05/11/06 14:23	

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

State Cert No: 10155

CLIENT: O'Brien & Gere Inc. of North America  
Project: PAS Oswego, NY  
W Order: 0605067  
Matrix: WATER  
Inst. ID: MS01 11  
Column ID: Rtx-VMS  
Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL  
%Moisture:  
Test Code: 8260W OLM42

Lab ID: 0605067-006A  
Client Sample ID: M-22  
Collection Date: 05/09/06 9:00  
Date Received: 05/09/06 17:00  
Prep Date:  
Batch No: R5331  
File ID: 1-SAMP-T3480.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 14:57
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 14:57
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 14:57
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 14:57
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 14:57
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 14:57
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 14:57
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 14:57
Acetone	ND	160 J	10.0	0.82	µg/L	1	05/11/06 14:57
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 14:57
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 14:57
Methylene chloride	ND	245 J	2.00	0.03	µg/L	1	05/11/06 14:57
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 14:57
1,1-Dichloroethane	0.14 J		0.50	0.03	µg/L	1	05/11/06 14:57
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 14:57
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 14:57
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 14:57
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 14:57
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 14:57
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 14:57
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 14:57
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 14:57
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 14:57
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 14:57
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 14:57
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 14:57
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 14:57

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

Print Date: 05/18/06 7:28

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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0605067-006A

Client Sample ID: M-22

Collection Date: 05/09/06 9:00

Date Received: 05/09/06 17:00

PrepDate:

BatchNo: R5331

FileID: 1-SAMP-T3480.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
Dibromochloromethane	ND	0.50	0.04		µg/L	1	05/11/06 14:57
1,2-Dibromoethane	ND	0.50	0.04		µg/L	1	05/11/06 14:57
Chlorobenzene	ND	0.50	0.01		µg/L	1	05/11/06 14:57
Ethylbenzene	ND	0.50	0.02		µg/L	1	05/11/06 14:57
Xylenes (total)	ND	1.00	0.04		µg/L	1	05/11/06 14:57
Styrene	ND	0.50	0.02		µg/L	1	05/11/06 14:57
Bromofom	ND	0.50	0.05		µg/L	1	05/11/06 14:57
Isopropylbenzene	ND	0.50	0.02		µg/L	1	05/11/06 14:57
1,1,2,2-Tetrachloroethane	ND	0.50	0.08		µg/L	1	05/11/06 14:57
1,3-Dichlorobenzene	ND	0.50	0.02		µg/L	1	05/11/06 14:57
1,4-Dichlorobenzene	ND	0.50	0.02		µg/L	1	05/11/06 14:57
1,2-Dichlorobenzene	ND	0.50	0.02		µg/L	1	05/11/06 14:57
1,2-Dibromo-3-chloropropane	ND	1.00	0.26		µg/L	1	05/11/06 14:57
1,2,4-Trichlorobenzene	ND	1.00	0.02		µg/L	1	05/11/06 14:57
Surr: Dibromofluoromethane	104	75-127	0.03		%REC	1	05/11/06 14:57
Surr: 1,2-Dichloroethane-d4	103	75-134	0.04		%REC	1	05/11/06 14:57
Surr: Toluene-d8	102	75-125	0.01		%REC	1	05/11/06 14:57
Surr: 4-Bromofluorobenzene	92.8	75-125	0.04		%REC	1	05/11/06 14:57

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Lab ID: 0605067-007A

Project: PAS Oswego, NY

Client Sample ID: LR-6

W Order: 0605067

Collection Date: 05/09/06 10:40

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3481.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8280B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 15:29
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 15:29
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 15:29
Bromomethane	ND		1.00	0.08	µg/L	1	05/11/06 15:29
Chloroethane	0.34	J	1.00	0.12	µg/L	1	05/11/06 15:29
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 15:29
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 15:29
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 15:29
Acetone	1.85	J	10.0	0.82	µg/L	1	05/11/06 15:29
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 15:29
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 15:29
Methylene chloride	0.16	J	2.00	0.03	µg/L	1	05/11/06 15:29
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 15:29
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 15:29
1,1-Dichloroethane	3.28		0.50	0.03	µg/L	1	05/11/06 15:29
cis-1,2-Dichloroethene	0.13	J	0.50	0.03	µg/L	1	05/11/06 15:29
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 15:29
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 15:29
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 15:29
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 15:29
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 15:29
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 15:29
1,2-Dichloroethane	0.12	J	0.50	0.02	µg/L	1	05/11/06 15:29
Trichloroethene	0.20	J	0.50	0.03	µg/L	1	05/11/06 15:29
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 15:29
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 15:29
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 15:29
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 15:29
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 15:29
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 15:29
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 15:29
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 15:29
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 15:29

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: 05/18/06 7:28

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

<b>CLIENT:</b> O'Brien & Gere Inc. of North America	<b>Lab ID:</b> 0605067-007A
<b>Project:</b> PAS Oswego, NY	<b>Client Sample ID:</b> LR-6
<b>W Order:</b> 0605067	<b>Collection Date:</b> 05/09/06 10:40
<b>Matrix:</b> WATER	<b>Date Received:</b> 05/09/06 17:00
<b>Inst. ID:</b> MS01 11	<b>Sample Size:</b> 10 mL
<b>ColumnID:</b> Rtx-VMS	<b>%Moisture:</b>
<b>Revision:</b> 05/16/06 12:06:55 P	<b>TestCode:</b> 8260W OLM42
	<b>PrepDate:</b>
	<b>BatchNo:</b> R5331
	<b>FileID:</b> 1-SAMP-T3481.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND	0.50	0.04	µg/L	1	05/11/06 15:29	
1,2-Dibromoethane	ND	0.50	0.04	µg/L	1	05/11/06 15:29	
Chlorobenzene	ND	0.50	0.01	µg/L	1	05/11/06 15:29	
Ethylbenzene	ND	0.50	0.02	µg/L	1	05/11/06 15:29	
Xylenes (total)	ND	1.00	0.04	µg/L	1	05/11/06 15:29	
Styrene	ND	0.50	0.02	µg/L	1	05/11/06 15:29	
Bromoform	ND	0.50	0.05	µg/L	1	05/11/06 15:29	
Isopropylbenzene	ND	0.50	0.02	µg/L	1	05/11/06 15:29	
1,1,2,2-Tetrachloroethane	ND	0.50	0.08	µg/L	1	05/11/06 15:29	
1,3-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 15:29	
1,4-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 15:29	
1,2-Dichlorobenzene	ND	0.50	0.02	µg/L	1	05/11/06 15:29	
1,2-Dibromo-3-chloropropane	ND	1.00	0.26	µg/L	1	05/11/06 15:29	
1,2,4-Trichlorobenzene	ND	1.00	0.02	µg/L	1	05/11/06 15:29	
Surr: Dibromofluoromethane	103	75-127	0.03	%REC	1	05/11/06 15:29	
Surr: 1,2-Dichloroethane-d4	103	75-134	0.04	%REC	1	05/11/06 15:29	
Surr: Toluene-d8	98.4	75-125	0.01	%REC	1	05/11/06 15:29	
Surr: 4-Bromofluorobenzene	81.3	75-125	0.04	%REC	1	05/11/06 15:29	

<b>Qualifiers:</b>	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: 05/18/06 7:28

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

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# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0605067-008A

Client Sample ID: LCW-2

Collection Date: 05/09/06 11:40

Date Received: 05/09/06 17:00

PrepDate:

BatchNo: R5331

FileID: 1-SAMP-T3482.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		5.00	0.34	µg/L	5	05/11/06 16:02
Chloromethane	ND		5.00	0.63	µg/L	5	05/11/06 16:02
Vinyl chloride	12.0		5.00	0.19	µg/L	5	05/11/06 16:02
Bromomethane	ND		5.00	0.30	µg/L	5	05/11/06 16:02
Chloroethane	9.05		5.00	0.68	µg/L	5	05/11/06 16:02
Trichlorofluoromethane	ND		5.00	0.10	µg/L	5	05/11/06 16:02
1,1-Dichloroethene	ND		2.50	0.23	µg/L	5	05/11/06 16:02
1,1,2-Trichloro-1,2,2-trifluoroethane	0.90	J	2.50	0.22	µg/L	5	05/11/06 16:02
Acetone	14.9	J	50.0	4.12	µg/L	5	05/11/06 16:02
Carbon disulfide	ND		2.50	0.10	µg/L	5	05/11/06 16:02
Methyl acetate	ND		2.50	1.52	µg/L	5	05/11/06 16:02
Methylene chloride	0.70	J	10.0	0.17	µg/L	5	05/11/06 16:02
trans-1,2-Dichloroethene	12.1		2.50	0.14	µg/L	5	05/11/06 16:02
Methyl tert-butyl ether	ND		2.50	0.12	µg/L	5	05/11/06 16:02
1,1-Dichloroethane	83.5		2.50	0.16	µg/L	5	05/11/06 16:02
cis-1,2-Dichloroethene	1.85	J	2.50	0.16	µg/L	5	05/11/06 16:02
2-Butanone	ND		50.0	3.24	µg/L	5	05/11/06 16:02
Chloroform	8.35		2.50	0.15	µg/L	5	05/11/06 16:02
1,1,1-Trichloroethane	18.4		2.50	0.08	µg/L	5	05/11/06 16:02
Cyclohexane	0.60	J	2.50	0.29	µg/L	5	05/11/06 16:02
Carbon tetrachloride	ND		2.50	0.16	µg/L	5	05/11/06 16:02
Benzene	25.0	E	2.50	0.05	µg/L	5	05/11/06 16:02
1,2-Dichloroethane	5.35		2.50	0.12	µg/L	5	05/11/06 16:02
Trichloroethene	4.65		2.50	0.14	µg/L	5	05/11/06 16:02
Methylcyclohexane	ND		2.50	0.17	µg/L	5	05/11/06 16:02
1,2-Dichloropropane	ND		2.50	0.13	µg/L	5	05/11/06 16:02
Bromodichloromethane	ND		2.50	0.16	µg/L	5	05/11/06 16:02
cis-1,3-Dichloropropene	ND		2.50	0.11	µg/L	5	05/11/06 16:02
4-Methyl-2-pentanone	ND		25.0	1.88	µg/L	5	05/11/06 16:02
Toluene	9.30		2.50	0.09	µg/L	5	05/11/06 16:02
trans-1,3-Dichloropropene	ND		2.50	0.15	µg/L	5	05/11/06 16:02
1,1,2-Trichloroethane	8.00		2.50	0.14	µg/L	5	05/11/06 16:02
Tetrachloroethene	0.75	J	2.50	0.15	µg/L	5	05/11/06 16:02
2-Hexanone	ND		25.0	2.90	µg/L	5	05/11/06 16:02

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: 05/18/06 7:28

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 Inc. of North America

Lab ID: 0605067-008A

Project: PAS Oswego, NY

Client Sample ID: LCW-2

W Order: 0605067

Collection Date: 05/09/06 11:40

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3482.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		2.50	0.20	µg/L	5	05/11/06 16:02
1,2-Dibromoethane	ND		2.50	0.18	µg/L	5	05/11/06 16:02
Chlorobenzene	50.9		2.50	0.06	µg/L	5	05/11/06 16:02
Ethylbenzene	147		2.50	0.12	µg/L	5	05/11/06 16:02
Xylenes (total)	81.8		5.00	0.21	µg/L	5	05/11/06 16:02
Styrene	ND		2.50	0.10	µg/L	5	05/11/06 16:02
Bromoform	ND		2.50	0.24	µg/L	5	05/11/06 16:02
Isopropylbenzene	0.65 J		2.50	0.11	µg/L	5	05/11/06 16:02
1,1,2,2-Tetrachloroethane	48.8		2.50	0.41	µg/L	5	05/11/06 16:02
1,3-Dichlorobenzene	0.55 J		2.50	0.10	µg/L	5	05/11/06 16:02
1,4-Dichlorobenzene	1.20 J		2.50	0.08	µg/L	5	05/11/06 16:02
1,2-Dichlorobenzene	6.00		2.50	0.10	µg/L	5	05/11/06 16:02
1,2-Dibromo-3-chloropropane	ND		5.00	1.31	µg/L	5	05/11/06 16:02
1,2,4-Trichlorobenzene	ND		5.00	0.12	µg/L	5	05/11/06 16:02
Surr: Dibromofluoromethane	105		75-127	0.13	%REC	5	05/11/06 16:02
Surr: 1,2-Dichloroethane-d4	101		75-134	0.18	%REC	5	05/11/06 16:02
Surr: Toluene-d8	102		75-125	0.06	%REC	5	05/11/06 16:02
Surr: 4-Bromofluorobenzene	98.3		75-125	0.18	%REC	5	05/11/06 16:02

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: 05/18/06 7:28

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13657

(315) 437-0200

# Analytical Results

StateCertNo: 10155

CLIENT: O'Brien & Gere Inc. of North America

Lab ID: 0605067-008A

Project: PAS Oswego, NY

Client Sample ID: LCW-2

W Order: 0605067

Collection Date: 05/09/06 11:40

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5368

Revision: 05/18/06 7:27:27 A

TestCode: 8260W OLM42

FileID: I-DL-T3500.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		10.0	0.67	µg/L	10	05/15/06 12:21
Chloromethane	ND		10.0	1.26	µg/L	10	05/15/06 12:21
Vinyl chloride	11.8		10.0	0.38	µg/L	10	05/15/06 12:21
Bromomethane	ND		10.0	0.59	µg/L	10	05/15/06 12:21
Chloroethane	9.50	J	10.0	1.16	µg/L	10	05/15/06 12:21
Trichlorofluoromethane	ND		10.0	0.20	µg/L	10	05/15/06 12:21
1,1-Dichloroethene	ND		5.00	0.46	µg/L	10	05/15/06 12:21
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.00	0.43	µg/L	10	05/15/06 12:21
Acetone	20.7	J	100	8.23	µg/L	10	05/15/06 12:21
Carbon disulfide	ND		5.00	0.20	µg/L	10	05/15/06 12:21
Methyl acetate	ND		5.00	3.05	µg/L	10	05/15/06 12:21
Methylene chloride	ND		20.0	0.34	µg/L	10	05/15/06 12:21
trans-1,2-Dichloroethene	12.7		5.00	0.27	µg/L	10	05/15/06 12:21
Methyl tert-butyl ether	ND		5.00	0.25	µg/L	10	05/15/06 12:21
1,1-Dichloroethane	82.2		5.00	0.33	µg/L	10	05/15/06 12:21
cis-1,2-Dichloroethene	2.00	J	5.00	0.32	µg/L	10	05/15/06 12:21
2-Butanone	ND		100	6.49	µg/L	10	05/15/06 12:21
Chloroform	8.50		5.00	0.29	µg/L	10	05/15/06 12:21
1,1,1-Trichloroethane	18.3		5.00	0.16	µg/L	10	05/15/06 12:21
Cyclohexane	ND		5.00	0.57	µg/L	10	05/15/06 12:21
Carbon tetrachloride	ND		5.00	0.32	µg/L	10	05/15/06 12:21
Benzene	265		5.00	0.10	µg/L	10	05/15/06 12:21
1,2-Dichloroethane	5.50		5.00	0.24	µg/L	10	05/15/06 12:21
Trichloroethene	4.90	J	5.00	0.27	µg/L	10	05/15/06 12:21
Methylcyclohexane	ND		5.00	0.34	µg/L	10	05/15/06 12:21
1,2-Dichloropropane	ND		5.00	0.26	µg/L	10	05/15/06 12:21
Bromodichloromethane	ND		5.00	0.31	µg/L	10	05/15/06 12:21
cis-1,3-Dichloropropene	ND		5.00	0.21	µg/L	10	05/15/06 12:21
4-Methyl-2-pentanone	ND		50.0	3.75	µg/L	10	05/15/06 12:21
Toluene	9.30		5.00	0.18	µg/L	10	05/15/06 12:21
trans-1,3-Dichloropropene	ND		5.00	0.29	µg/L	10	05/15/06 12:21
1,1,2-Trichloroethane	8.50		5.00	0.28	µg/L	10	05/15/06 12:21
Tetrachloroethene	ND		5.00	0.30	µg/L	10	05/15/06 12:21
2-Hexanone	ND		50.0	5.80	µg/L	10	05/15/06 12:21

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

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

Print Date: 05/18/06 7:28

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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 05/18/06 7:27:27 A

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0605067-008A

Client Sample ID: LCW-2

Collection Date: 05/09/06 11:40

Date Received: 05/09/06 17:00

PrepDate:

BatchNo: R5368

FileID: 1-DL-T3500.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		5.00	0.41	µg/L	10	05/15/06 12:21
1,2-Dibromoethane	ND		5.00	0.35	µg/L	10	05/15/06 12:21
Chlorobenzene	51.1		5.00	0.11	µg/L	10	05/15/06 12:21
Ethylbenzene	145		5.00	0.24	µg/L	10	05/15/06 12:21
Xylenes (total)	79.3		10.0	0.42	µg/L	10	05/15/06 12:21
Styrene	ND		5.00	0.20	µg/L	10	05/15/06 12:21
Bromoform	ND		5.00	0.47	µg/L	10	05/15/06 12:21
Isopropylbenzene	ND		5.00	0.21	µg/L	10	05/15/06 12:21
1,1,2,2-Tetrachloroethane	48.1		5.00	0.81	µg/L	10	05/15/06 12:21
1,3-Dichlorobenzene	ND		5.00	0.20	µg/L	10	05/15/06 12:21
1,4-Dichlorobenzene	1.20 J		5.00	0.17	µg/L	10	05/15/06 12:21
1,2-Dichlorobenzene	5.90		5.00	0.19	µg/L	10	05/15/06 12:21
1,2-Dibromo-3-chloropropane	ND		10.0	2.61	µg/L	10	05/15/06 12:21
1,2,4-Trichlorobenzene	ND		10.0	0.25	µg/L	10	05/15/06 12:21
Surr: Dibromofluoromethane	104		75-127	0.28	%REC	10	05/15/06 12:21
Surr: 1,2-Dichloroethane-d4	102		75-134	0.37	%REC	10	05/15/06 12:21
Surr: Toluene-d8	102		75-125	0.12	%REC	10	05/15/06 12:21
Surr: 4-Bromofluorobenzene	96.2		75-125	0.35	%REC	10	05/15/06 12:21

Quantifiers:	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./Con£. column %D or RPD exceeds limit
	S	Spike Recovery outside accepted recovery limits		

Print Date: 05/18/06 7:28

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 Inc. of North America

Lab ID: 0605067-009A

Project: PAS Oswego, NY

Client Sample ID: LCW-4

W Order: 0605067

Collection Date: 05/09/06 13:00

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3483.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		50.0	3.35	µg/L	50	05/11/06 16:34
Chloromethane	ND		50.0	6.30	µg/L	50	05/11/06 16:34
Vinyl chloride	ND		50.0	1.90	µg/L	50	05/11/06 16:34
Bromomethane	ND		50.0	2.95	µg/L	50	05/11/06 16:34
Chloroethane	83.0		50.0	5.80	µg/L	50	05/11/06 16:34
Trichlorofluoromethane	ND		50.0	1.00	µg/L	50	05/11/06 16:34
1,1-Dichloroethene	ND		25.0	2.30	µg/L	50	05/11/06 16:34
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	2.15	µg/L	50	05/11/06 16:34
Acetone	ND		500	41.2	µg/L	50	05/11/06 16:34
Carbon disulfide	ND		25.0	1.00	µg/L	50	05/11/06 16:34
Methyl acetate	ND		25.0	15.2	µg/L	50	05/11/06 16:34
Methylene chloride	ND		100	1.70	µg/L	50	05/11/06 16:34
trans-1,2-Dichloroethene	ND		25.0	1.35	µg/L	50	05/11/06 16:34
Methyl tert-butyl ether	ND		25.0	1.25	µg/L	50	05/11/06 16:34
1,1-Dichloroethane	ND		25.0	1.65	µg/L	50	05/11/06 16:34
cis-1,2-Dichloroethene	ND		25.0	1.60	µg/L	50	05/11/06 16:34
2-Butanone	ND		500	32.4	µg/L	50	05/11/06 16:34
Chloroform	ND		25.0	1.45	µg/L	50	05/11/06 16:34
1,1,1-Trichloroethane	ND		25.0	0.75	µg/L	50	05/11/06 16:34
Cyclohexane	ND		25.0	2.85	µg/L	50	05/11/06 16:34
Carbon tetrachloride	ND		25.0	1.60	µg/L	50	05/11/06 16:34
Benzene	843		25.0	0.50	µg/L	50	05/11/06 16:34
1,2-Dichloroethane	ND		25.0	1.20	µg/L	50	05/11/06 16:34
Trichloroethene	ND		25.0	1.35	µg/L	50	05/11/06 16:34
Methylcyclohexane	ND		25.0	1.70	µg/L	50	05/11/06 16:34
1,2-Dichloropropane	ND		25.0	1.30	µg/L	50	05/11/06 16:34
Bromodichloromethane	ND		25.0	1.55	µg/L	50	05/11/06 16:34
cis-1,3-Dichloropropene	ND		25.0	1.05	µg/L	50	05/11/06 16:34
4-Methyl-2-pentanone	ND		250	18.8	µg/L	50	05/11/06 16:34
Toluene	43.5		25.0	0.90	µg/L	50	05/11/06 16:34
trans-1,3-Dichloropropene	ND		25.0	1.45	µg/L	50	05/11/06 16:34
1,1,2-Trichloroethane	ND		25.0	1.40	µg/L	50	05/11/06 16:34
Tetrachloroethene	ND		25.0	1.50	µg/L	50	05/11/06 16:34
2-Hexanone	ND		250	29.0	µg/L	50	05/11/06 16:34

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: 05/18/06 7:28

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 Inc. of North America

Lab ID: 0605067-009A

Project: PAS Oswego, NY

Client Sample ID: LCW-4

W Order: 0605067

Collection Date: 05/09/06 13:00

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3483.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		25.0	2.05	µg/L	50	05/11/06 16:34
1,2-Dibromoethane	ND		25.0	1.75	µg/L	50	05/11/06 16:34
Chlorobenzene	330		25.0	0.55	µg/L	50	05/11/06 16:34
Ethylbenzene	260		25.0	1.20	µg/L	50	05/11/06 16:34
Xylenes (total)	2290		50.0	2.10	µg/L	50	05/11/06 16:34
Styrene	ND		25.0	1.00	µg/L	50	05/11/06 16:34
Bromoform	ND		25.0	2.35	µg/L	50	05/11/06 16:34
Isopropylbenzene	ND		25.0	1.05	µg/L	50	05/11/06 16:34
1,1,2,2-Tetrachloroethane	ND		25.0	4.05	µg/L	50	05/11/06 16:34
1,3-Dichlorobenzene	ND		25.0	1.00	µg/L	50	05/11/06 16:34
1,4-Dichlorobenzene	ND		25.0	0.85	µg/L	50	05/11/06 16:34
1,2-Dichlorobenzene	60.0		25.0	0.95	µg/L	50	05/11/06 16:34
1,2-Dibromo-3-chloropropane	ND		50.0	13.0	µg/L	50	05/11/06 16:34
1,2,4-Trichlorobenzene	ND		50.0	1.25	µg/L	50	05/11/06 16:34
Surr: Dibromofluoromethane	102		75-127	1.30	%REC	50	05/11/06 16:34
Surr: 1,2-Dichloroethane-d4	101		75-134	1.85	%REC	50	05/11/06 16:34
Surr: Toluene-d8	99.7		75-125	0.60	%REC	50	05/11/06 16:34
Surr: 4-Bromofluorobenzene	96.4		75-125	1.75	%REC	50	05/11/06 16:34

Qualifiers: B Analyte detected in the associated Method Blank  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Practical Quantitation Limit (PQL)  
S Spike Recovery outside accepted recovery limits  
E Value exceeds the instrument calibration range  
J Analyte detected below the PQL  
P Prim./Conf. column %D or RPD exceeds limit

Print Date: 05/18/06 7:28

Project Supervisor: Thomas A. Alexander



# Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057

(315) 437-0200

# Analytical Results

State Cert No: 10155

CLIENT: O'Brien & Gere Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01 11

Column ID: Rtx-VMS

Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL

%Moisture:

Test Code: 8260W OLM42

Lab ID: 0605067-010A

Client Sample ID: M-25

Collection Date: 05/09/06 14:45

Date Received: 05/09/06 17:00

Prep Date:

Batch No: R5331

File ID: I-SAMP-T3484.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 17:07
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 17:07
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 17:07
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 17:07
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 17:07
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 17:07
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 17:07
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 17:07
Acetone	ND		10.0	0.82	µg/L	1	05/11/06 17:07
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 17:07
Methylene chloride	ND	0.23 S	2.00	0.03	µg/L	1	05/11/06 17:07
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 17:07
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 17:07
Chloroform	11.9		0.50	0.03	µg/L	1	05/11/06 17:07
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 17:07
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 17:07
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 17:07
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Bromodichloromethane	7.65		0.50	0.03	µg/L	1	05/11/06 17:07
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 17:07
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 17:07
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:07
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 17:07

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: 05/18/06 7:28

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 Inc. of North America  
Project: PAS Oswego, NY

Lab ID: 0605067-010A  
Client Sample ID: M-25

W Order: 0605067

Collection Date: 05/09/06 14:45

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3484.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	3.45		0.50	0.04	µg/L	1	05/11/06 17:07
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 17:07
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 17:07
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Xylenes (total)	0.18 J		1.00	0.04	µg/L	1	05/11/06 17:07
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 17:07
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 17:07
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:07
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 17:07
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 17:07
Surr: Dibromofluoromethane	106		75-127	0.03	%REC	1	05/11/06 17:07
Surr: 1,2-Dichloroethane-d4	104		75-134	0.04	%REC	1	05/11/06 17:07
Surr: Toluene-d8	101		75-125	0.01	%REC	1	05/11/06 17:07
Surr: 4-Bromofluorobenzene	93.9		75-125	0.04	%REC	1	05/11/06 17:07

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 Inc. of North America

Lab ID: 0605067-011A

Project: PAS Oswego, NY

Client Sample ID: M-26

W Order: 0605067

Collection Date: 05/09/06 16:00

Matrix: WATER

Date Received: 05/09/06 17:00

Inst. ID: MS01 11

Sample Size: 10 mL

PrepDate:

ColumnID: Rtx-VMS

%Moisture:

BatchNo: R5331

Revision: 05/16/06 12:06:55 P

TestCode: 8260W OLM42

FileID: 1-SAMP-T3485.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>							
				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 17:39
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 17:39
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 17:39
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 17:39
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 17:39
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 17:39
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 17:39
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 17:39
Acetone	ND	108 J	10.0	0.82	µg/L	1	05/11/06 17:39
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 17:39
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 17:39
Methylene chloride	ND		2.00	0.03	µg/L	1	05/11/06 17:39
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:39
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 17:39
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 17:39
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:39
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 17:39
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 17:39
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 17:39
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 17:39
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 17:39
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 17:39
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 17:39
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:39
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 17:39
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 17:39
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 17:39
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 17:39
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 17:39
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 17:39
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 17:39
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 17:39
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 17:39
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 17:39

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: 05/18/06 7:28

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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0605067-011A

Client Sample ID: M-26

Collection Date: 05/09/06 16:00

Date Received: 05/09/06 17:00

PrepDate:

BatchNo: R5331

FileID: 1-SAMP-T3485.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dibromochloromethane	ND		0.50	0.04	µg/L	1	05/11/06 17:39
1,2-Dibromoethane	ND		0.50	0.04	µg/L	1	05/11/06 17:39
Chlorobenzene	ND		0.50	0.01	µg/L	1	05/11/06 17:39
Ethylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:39
Xylenes (total)	ND		1.00	0.04	µg/L	1	05/11/06 17:39
Styrene	ND		0.50	0.02	µg/L	1	05/11/06 17:39
Bromoform	ND		0.50	0.05	µg/L	1	05/11/06 17:39
Isopropylbenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:39
1,1,2,2-Tetrachloroethane	ND		0.50	0.08	µg/L	1	05/11/06 17:39
1,3-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:39
1,4-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:39
1,2-Dichlorobenzene	ND		0.50	0.02	µg/L	1	05/11/06 17:39
1,2-Dibromo-3-chloropropane	ND		1.00	0.26	µg/L	1	05/11/06 17:39
1,2,4-Trichlorobenzene	ND		1.00	0.02	µg/L	1	05/11/06 17:39
Surr: Dibromofluoromethane	104		75-127	0.03	%REC	1	05/11/06 17:39
Surr: 1,2-Dichloroethane-d4	105		75-134	0.04	%REC	1	05/11/06 17:39
Surr: Toluene-d8	103		75-125	0.01	%REC	1	05/11/06 17:39
Surr: 4-Bromofluorobenzene	91.0		75-125	0.04	%REC	1	05/11/06 17:39

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: 05/18/06 7:28

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 Inc. of North America

Project: PAS Oswego, NY

W Order: 0605067

Matrix: WATER

Inst. ID: MS01 11

ColumnID: Rtx-VMS

Revision: 05/16/06 12:06:55 P

Sample Size: 10 mL

%Moisture:

TestCode: 8260W OLM42

Lab ID: 0605067-012A

Client Sample ID: QC Trip Blank

Collection Date: 05/08/06 0:00

Date Received: 05/09/06 17:00

PrepDate:

BatchNo: R5331

FileID: 1-SAMP-T3486.D

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS BY GC/MS</b>				<b>SW8260B</b>			
Dichlorodifluoromethane	ND		1.00	0.07	µg/L	1	05/11/06 18:13
Chloromethane	ND		1.00	0.13	µg/L	1	05/11/06 18:13
Vinyl chloride	ND		1.00	0.04	µg/L	1	05/11/06 18:13
Bromomethane	ND		1.00	0.06	µg/L	1	05/11/06 18:13
Chloroethane	ND		1.00	0.12	µg/L	1	05/11/06 18:13
Trichlorofluoromethane	ND		1.00	0.02	µg/L	1	05/11/06 18:13
1,1-Dichloroethene	ND		0.50	0.05	µg/L	1	05/11/06 18:13
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.04	µg/L	1	05/11/06 18:13
Acetone	1.00	J	10.0	0.82	µg/L	1	05/11/06 18:13
Carbon disulfide	ND		0.50	0.02	µg/L	1	05/11/06 18:13
Methyl acetate	ND		0.50	0.30	µg/L	1	05/11/06 18:13
Methylene chloride	0.17	J	2.00	0.03	µg/L	1	05/11/06 18:13
trans-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Methyl tert-butyl ether	ND		0.50	0.02	µg/L	1	05/11/06 18:13
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
cis-1,2-Dichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
2-Butanone	ND		10.0	0.65	µg/L	1	05/11/06 18:13
Chloroform	ND		0.50	0.03	µg/L	1	05/11/06 18:13
1,1,1-Trichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 18:13
Cyclohexane	ND		0.50	0.06	µg/L	1	05/11/06 18:13
Carbon tetrachloride	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Benzene	ND		0.50	0.01	µg/L	1	05/11/06 18:13
1,2-Dichloroethane	ND		0.50	0.02	µg/L	1	05/11/06 18:13
Trichloroethene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Methylcyclohexane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
1,2-Dichloropropane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Bromodichloromethane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
cis-1,3-Dichloropropene	ND		0.50	0.02	µg/L	1	05/11/06 18:13
4-Methyl-2-pentanone	ND		5.00	0.38	µg/L	1	05/11/06 18:13
Toluene	ND		0.50	0.02	µg/L	1	05/11/06 18:13
trans-1,3-Dichloropropene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
1,1,2-Trichloroethane	ND		0.50	0.03	µg/L	1	05/11/06 18:13
Tetrachloroethene	ND		0.50	0.03	µg/L	1	05/11/06 18:13
2-Hexanone	ND		5.00	0.58	µg/L	1	05/11/06 18:13

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

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

Print Date: 05/18/06 7:28

Project Supervisor: Thomas A. Alexander

**ANNUAL PROGRESS REPORT – Future**  
***Operation, Maintenance and Long-term Monitoring Activities***

**PROJECT NAME:** *Pollution Abatement Services Site*  
*Oswego, New York*

**PERIOD COVERED:** JULY 2006 – JUNE 2007

**ACTIONS PLANNED FOR FOLLOWING YEAR:**

- OMM activities will be performed during the period July 2006 through June 2007, in accordance with the approved Work Plan. The OMM activities include pumping 15,000 gallons of leachate during the first week of the month, or whatever volume can be efficiently removed during a one-day pumping event, up to 15,000 gallons. Quarterly ground-water elevation results for the M-series and LR-series monitoring wells will be monitored in accordance with the November 15, 1999 leachate removal protocol. If the elevation results indicate the upward vertical gradients calculated for the leachate collection well LCW-4 area are more than 1.5 feet per foot, leachate removal activities will be conducted at LCW locations including LCW-4 during the quarter. Otherwise, leachate removal activities will be conducted at LCW locations excluding LCW-4 for the quarter.
- Quarterly ground-water elevation monitoring will be conducted on August 7, 2006, November 6, 2006, February 5, 2007 and May 7, 2007. The possible reduction of the frequency of quarterly ground-water elevation monitoring to semi-annual monitoring will be further reviewed with *EPA*.
- Semi-annual groundwater and leachate quality and elevation monitoring will be conducted on November 6, 2006 and May 7, 2007. The possible reduction of the frequency of semi-annual groundwater quality monitoring will be further reviewed with *EPA*.
- Routine maintenance activities will be conducted, including cap vegetation control and inspection of spill control materials and perimeter fence. Snow removal will be performed on an as needed basis throughout the winter months. These maintenance activities will be performed in accordance with the approved Work Plan.
- Following review of the April and May 2006 additional sampling results, we are proposing wells M-23 and M-24, in addition to the list of wells (as shown in our December 20, 2005 letter) for abandonment, in Attachment E-1. The abandonment activities are anticipated to occur in conjunction with the monitoring activities of September or October 2006 contingent upon EPA approval to proceed. Table 1 in Attachment I-E provides a comparison of the additional bedrock groundwater sampling results to long-term monitoring results for 2005/2006 at three selected wells (LR-8, M-21 and M-25). The results of the additional sampling conducted at the three bedrock monitoring wells M-22, M-23 and OD-3 further illustrate and confirm that conclusion that OMM activities continue to provide hydraulic control of the site and down-gradient concentrations have attenuated. VOC concentrations at down-gradient wells north of Mitchell Street, including the additional sampling results for well M-23, are below the Consent Decree performance standards. The additional sampling results for down-gradient wells south of Mitchell Street, M-22 and OD-3, indicate VOC

concentrations at or near detection as further indication that VOCs concentrations south of Mitchell Street have continued to attenuate to low levels.

- The Remedial Action Completion Report will be submitted to EPA by July 10, 2006 requesting certification that the remedial action has been completed pursuant to Paragraph 49 of the Consent Decree. Certified copies of the recorded documents, including the IPP Property easement and the four subordination agreements, will be included in the Remedial Action Completion Report. A copy of the title insurance policy covering the easement will also be included in the report.
- The ICIP includes requirements for the period following the execution and recording of the Easement. It states that following implementation of institutional controls on the IPP Property, the Site will be inspected on an annual basis to determine whether any intrusive activities have occurred. In addition, building and property records will be reviewed to ascertain whether or not any filings have been made for such activities. The ICIP provides for an annual report summarizing the findings of the inspection and record review to be prepared, along with a certification confirming that operation and maintenance activities continue, and that this annual report would be included with the OM&M progress report to be submitted to EPA in July of each year. The first such certification will be provided with the next Annual Progress Report.



- The schedule for leachate removal events and monitoring tasks for the *third and fourth quarters of 2006* is provided below.

<b>3<sup>rd</sup> Quarter 2006</b>				
<b>LEACHATE REMOVAL EVENTS AND TASK SCHEDULE</b>				
	<b>July 2006 Removal Event</b>	<b>August 2006 Removal Event</b>	<b>September 2006 Removal Event</b>	<b>Task</b>
<b>Pre-pumping Monitoring</b>	Jul 10	Aug 7	Sept 11	LCW- and SWW- Series Wells for Jul, Aug, Sept LCW-, SWW-, M-, and LR- Series Wells for Aug
<b>Removal</b>	Jul 12	Aug 9	Sept 13	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on Aug 7)

<b>4<sup>th</sup> Quarter 2006</b>				
<b>LEACHATE REMOVAL EVENTS AND TASK SCHEDULE</b>				
	<b>October 2006 Removal Event</b>	<b>November 2006 Removal Event</b>	<b>December 2006 Removal Event</b>	<b>Task</b>
<b>Pre-pumping Monitoring</b>	Oct 2	Nov 6	Dec 4	LCW- and SWW- Series Wells for Oct, Nov, Dec LCW-, SWW-, M-, and LR- Series Wells for Nov Semi annual sampling for LCW LR and M - series wells in Nov 6
<b>Removal</b>	Oct 4	Nov 8	Dec 6	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on Nov 6)

- The schedule for leachate removal events and monitoring tasks for the *first and second quarters of 2007* is provided below.

<b>1<sup>st</sup> Quarter 2007</b>					
<b>LEACHATE REMOVAL EVENTS AND TASK SCHEDULE</b>					
	<b>January 2007 Removal Event</b>		<b>February 2007 Removal Event</b>		<b>Task</b>
<b>Pre-pumping Monitoring</b>	Jan 8		Feb 5		LCW- and SWW-Series Wells for Oct, Nov, Dec LCW-, SWW-, M-, and LR-Series Wells for Feb
<b>Removal</b>	Jan 10		Feb 7		Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on Feb 5)

<b>2<sup>nd</sup> Quarter 2007</b>					
<b>LEACHATE REMOVAL EVENTS AND TASK SCHEDULE</b>					
	<b>April 2007 Removal Event</b>		<b>May 2007 Removal Event</b>		<b>Task</b>
<b>Pre-pumping Monitoring</b>	Apr 2		May 7		LCW- and SWW-Series Wells for Oct, Nov & Dec; LCW-, SWW-, M-, and LR-Series Wells for May Semi annual sampling of LCW, LR and M-Series Wells in May.
<b>Removal</b>	Apr 4		May 9		Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on May 7)

**Attachment E**  
**Pollution Abatement Services**  
**Oswego, NY**  
**Proposed Well Abandonment List**  
**July 2006**  
(Yellow-shaded wells proposed to be abandoned)

Well ID	Date Completed	Screen Interval (ft below land surface)	Elevation of Screen Zone (ft above msl)	Total Well Depth (ft below land surface)	Ground Surface Elevation (ft above msl)	Open Borehole (ft above msl)	Elevation of Open Borehole (ft above msl)	Well Dia (in)	Measuring Pt Elev (feet above msl)
OS-1	10/18/84	6.0-15.0	264.6-254.6	15.0	269.63	-	-	3	272.10
OI-1	10/22/84	21.0-26.0	248.1-243.1	26.0	269.14	-	-	3	272.00
OS-3	10/24/84*	10.0-20.0	264.3-254.3	20.0	274.63	-	-	3	277.89
OD-3	11/01/84*	-	-	42.0	274.96	27.0-42.0	-	4	277.85
OD-4	10/30/84	-	-	32.0	271.02	17.0-32.0	-	4	274.85
LS2	11/09/88	7.8-17.8	279.7-269.7	18.0	287.50	-	-	2	289.81
LD2	11/10/88	25.8-35.8	261.3-251.3	36.0	287.10	-	-	2	289.73
LR2	11/17/88	45.8-55.8	241.7-231.7	56.0	287.50	-	-	2	289.85
LD3	11/15/88	17.0-27.0	258.8-248.8	27.3	275.80	-	-	2	278.62
LR3	11/22/88	53.7-63.7	221.8-211.8	63.8	275.50	-	-	2	278.06
LD4	11/04/88	19.8-29.8	256.5-246.5	30.0	276.30	-	-	2	279.25
LD5	10/27/88	16.6-26.6	253.6-243.6	27.0	270.20	-	-	2	272.94
LS6	10/28/88	7.8-17.8	263.6-253.6	18.0	271.40	-	-	2	274.14
LD6	11/03/88	19.8-29.8	251.1-241.1	30.0	270.90	-	-	2	274.03
LR6	11/01/88	47.0-57.0	223.9-229.9	57.2	270.90	-	-	2	274.39
LD8	11/10/88	11.7-21.7	258.2-248.2	21.8	269.90	-	-	2	272.83
LR8	11/11/88	29.5-39.5	240.5-230.5	39.7	270.00	-	-	2	273.42
LS9	11/08/88	7.9-12.9	266.1-261.1	13.0	274.00	-	-	2	276.62
LCW1	NA	5.3-15.3	265.9-255.9	15.3	271.40	-	-	14	272.21
LCW2	NA	9.6-19.6	263.8-253.8	19.6	272.60	-	-	14	274.44
LCW3	NA	NA	NA	NA	283.30	-	-	14	284.36
LCW4	NA	NA	NA	NA	283.80	-	-	14	285.70
SWW1	06/25/86	6.0-16.0	280.2-270.2	16.5	286.20	-	-	3	289.33
SWW2	06/26/86	5.5-15.5	280.8-270.8	15.5	286.30	-	-	3	289.37
SWW3	06/27/86	7.0-17.0	279.0-269.0	17.0	286.00	-	-	3	286.50
SWW4	06/30/86	14.0-24.0	268.9-258.9	24.0	282.90	-	-	3	283.60
SWW5	06/30/86	6.5-16.5	269.4-259.4	16.5	275.90	-	-	3	277.02
SWW6	07/01/86	6.0-16.0	264.9-254.9	17.0	270.90	-	-	3	273.06
SWW7	10/26/88	9.0-19.0	266.3-253.9	19.5	275.30	-	-	2	277.93
SWW8	11/14/88	9.3-19.3	266.4-256.4	19.5	275.70	-	-	2	278.24
SWW9	10/31/88	17.0-27.0	266.3-256.0	27.5	283.30	-	-	2	285.55
SWW10	11/03/88	12.8-22.6	266.5-256.7	23.0	279.30	-	-	2	280.43
SWW11	11/01/88	9.9-20.0	261.1-251.0	20.5	271.00	-	-	2	273.50
SWW12	10/26/88	8.7-18.7	261.5-251.5	18.9	270.20	-	-	2	272.82
M-21	09/17/91	-	-	39.0	270.28	18.0-39.0	252.3-231.3	6	272.32
M-22	09/13/91	-	-	49.7	270.40	40.0-49.7	230.4-220.7	6	273.88
M-23	09/16/91	-	-	39.5	267.98	27.7-39.5	240.3-228.5	6	270.49
M-24	1994	12.3-38.5	264.2-238.0	38.5	276.50	-	-	5	-
M-25	1994	15.5-33.9	249.1-230.7	33.9	264.60	-	-	5	-
M-26	1994	6.5-43.1	265.4-228.8	43.1	271.90	-	-	5	-
PZ-1	1994	18.3-32.3	251.3-237.3	32.3	269.60	-	-	4	-
PZ-2	1994	20.0-37.0	251.0-234.0	37.0	271.00	-	-	4	-