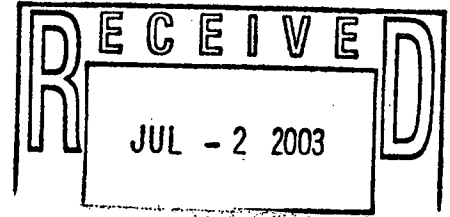


*J. Rider*  
*John Stray*



**de maximis, inc.**

2975 Bee Ridge Road  
Suite C  
Sarasota, FL 34239  
(941) 926-7929  
Fax (941) 926-0829



July 1, 2003

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: Quarterly Progress Report - 2Q03  
Operations, Maintenance and Long Term-Monitoring Activities  
Pollution Abatement Services (PAS) Site, Oswego, NY**

738001

Dear Ms. Pierre:

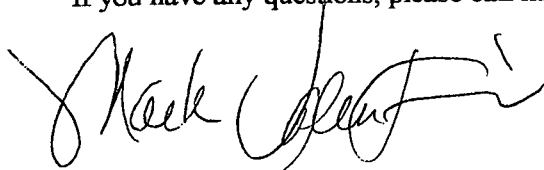
The July 2003 Quarterly Progress Report is submitted under Consent Decree 98-CV0112NPMGJD for operation, maintenance, and long-term monitoring activities at the PAS Site (Site) in Oswego, New York (Consent Decree) is attached. This progress report, which covers the period April through June 2003, conforms with requirements of Paragraph 30 of the Consent Decree, which was entered on August 10, 1998.

This letter also confirms information we discussed regarding submittal of future progress reports documenting work performed under the Consent Decree. Specifically, this letter confirms our June 25, 2003 discussion regarding USEPA's approval of reducing the frequency of progress reporting under the Consent Decree from quarterly to annually. This change in reporting frequency reflects the continuing remedial progress achieved at the Site through sustained hydraulic control of the slurry wall containment system and improved conditions observed in groundwater quality down-gradient of the Site. Therefore, our next progress report for this project will be submitted on or before July 10, 2004, and will document work completed between the period of June 1, 2003 and June 30, 2004 in a format consistent with the progress report provided herein.

↑  
July?



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



Sincerely,

*de maximis, inc.*  
Mark Valentine

cc: Performing Settling Defendants  
L. McDavid, USEPA  
G. Rider, NYSDEC, Division of Hazardous Waste Remediation. Parker, NYSDEC, Region 7 Office  
D. Geraghty, NYDOH, Office of Public Health

Attach/

**QUARTERLY PROGRESS REPORT**  
*Operation, Maintenance and Long-term Monitoring Activities*

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

**PERIOD COVERED:**    APRIL - JUNE 2003

**ACTIONS TAKEN DURING PREVIOUS QUARTER (APR - JUN 2003):**

- 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 30,846 gallons of leachate was removed during the period April through June of 2003. 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 BFI/CECOS Niagara Falls, New York, disposal facility. Buffalo Fuels Corporation was the transportation subcontractor for OBG leachate removal activities.
- Routine ground-water elevation monitoring was performed on April 7 and 21, May 5, and 19, June 2 and 16, 2003.
- On May 5, 2003, 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 (excluding LCW-4) during the period April through June 2003, in accordance with the November 15, 1999 leachate removal protocol.
- The semi-annual ground water and leachate quality sampling was conducted on May 5 and 6, 2002. A summary of these sampling results, along with historical sampling results, is presented in Figure 1, as attached. The Laboratory Report, along with data validation results, are also included in this quarterly report.
- Site maintenance activities were conducted on April 21, May 19, and June 16, 2003, 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.
- Prepared and submitted a draft Five-Year Data Review Report to USEPA.
- The PSDs began conducting a title search for properties down-gradient from the PAS Site. The PSDs periodically reviewed the status of these, along with other activities related to procurement of institutional controls, with USEPA.

**ACTION ITEMS FOR FOLLOWING QUARTER (JUL- SEPT 2003):**

- OMM activities will be performed in July, August, and September 2003, 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. The ground-water slurry wall wells and leachate wells will be monitored during the beginning of the third week of the month. If leachate elevations measured during the third week indicate that an additional 10,000 gallons of removable leachate has accumulated in the collection trenches, then a contingency removal event will be promptly scheduled to remove the 10,000 gallons of additional leachate.
- Quarterly ground-water elevation monitoring will be conducted on August 4, 2003.
- Routine maintenance activities will be conducted, including inspection of spill control materials and perimeter fence. Snow removal will be performed on an as needed basis throughout the following quarter. These maintenance activities will be performed in accordance with the approved Work Plan.
- The draft Five-Year Data Review Report provided to USEPA will be finalized following receipt of any comments received from USEPA.
- We understand that USEPA intends to conduct a site inspection prior to issuing its Five-Year Review Report for the site. As discussed, we will plan on accompanying USEPA during the planned site inspection, which we understand will be scheduled by USEPA.
- The PSDs intend to review the results of the title search with USEPA and proceed with institutional control procurement activities following discussions with USEPA.

- The schedule for leachate removal events and tasks is provided below.

<b>LEACHATE REMOVAL EVENTS AND TASK SCHEDULE (3<sup>rd</sup> Quarter 2003)</b>							
	<b>July 2003 Removal Events</b>		<b>August 2003 Removal Events</b>		<b>September 2003 Removal Events</b>		<b>Task</b>
	<b>First Event</b>	<b>Contingency Event</b>	<b>First Event</b>	<b>Contingency Event</b>	<b>First Event</b>	<b>Contingency Event</b>	
Pre-Pumping Monitoring	Jul 7	Jul 21	Aug 4	Aug 18	Sept 8	Sept 22	LCW- and SWW- Series Wells for Jul, Aug, Sept LCW-, SWW-, M-, and LR- Series Wells for Aug. (first event only).
Removal	Jul 9	Jul 23	Aug 6	Aug 20	Sept 10	Sept 24	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on Aug 4)

<b>LEACHATE REMOVAL EVENTS AND TASK SCHEDULE (4<sup>th</sup> Quarter 2003)</b>							
	<b>October 2003 Removal Events</b>		<b>November 2003 Removal Events</b>		<b>December 2003 Removal Events</b>		<b>Task</b>
	<b>First Event</b>	<b>Contingency Event</b>	<b>First Event</b>	<b>Contingency Event</b>	<b>First Event</b>	<b>Contingency Event</b>	
Pre-Pumping Monitoring	Oct 6	Oct 20	Nov 3	Nov 17	Dec 1	Dec 15	LCW- and SWW- Series Wells for Oct, Nov, Dec LCW-, SWW-, M-, and LR- Series Wells for Nov. (first event only).
Removal	Oct 8	Oct 22	Nov 5	Nov 19	Dec 3	Dec 17	Remove leachate from LCW-1, -2, -3, and -4 wells. (LCW-4 dependent on levels measured on Nov 3)

**ANTICIPATED DELAYS/PROBLEMS:**

- None

**RESULTS OF FIELD ACTIVITIES:**

- Ground-water elevation data collected on April 7 and 21, May 5 and 19, and June 2 and 16, 2003, along with SWW-series monitoring well charts for the last 12 months, are attached (See Attachment 1).
- The routine leachate disposal and site inspection checklists are attached (See Attachment 2).
- The May 2003 semi-annual sampling results are attached, along with Figure 1, Historical Concentrations of VOCs of Concern Detected in Consent Decree Wells (See Attachment 5).

**DOCUMENTATION OF REMOVAL ACTIVITIES DURING PREVIOUS QUARTER:**

- Hazardous Waste Manifests (See Attachment 3)
- Waste Treatment/Disposal Certifications (See Attachment 4)

***APRIL 2003***  
**April 9, 2003**

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
NYG2534949	5,004	4/9/03
NYG2534931	5,207	4/9/03

*April 9, 2003 Total 10,211 gallons*  
*April 2003 Total = 10,211 gallons*

***MAY 2003***  
**May 7, 2003**

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
NYG2534958	4,965	5/7/03
NYG2534967	5,152	5/7/03

*May 7, 2003 Total 10,117 gallons*  
*May 2003 Total = 10,117 gallons*

***JUNE 2003***  
**June 4, 2003**

<b>Manifest #</b>	<b>Amount (gal)</b>	<b>Date Removed</b>
NYG2534985	5,282	6/4/03
NYG2534976	5,236	6/4/03

*June 4, 2003 Total = 10,518 gallons*  
*June 2003 Total = 10,518 gallons*

• **CUMULATIVE REMOVAL QUANTITIES**

Cumulative gallons removed during quarter  
under OMM Plan - April through June 2003 30,846

**HISTORICAL SUMMARY OF LEACHATE REMOVAL ACTIVITIES**

<i>Order/Decree</i>	<i>Disposal Facility/Period</i>	<i>Quantities</i>
1991 IGR Order (2/92 - 10/94)	<i>Dupont:</i>	
	1992 (2/98 -12/98)	221,808
	1993	337,619
	<u>1994 (1/94-10/94)</u>	<u>254,898</u>
	<i>Subtotal</i>	814,325
1994 IGR Order (10/94 - 10/98)	<i>DuPont:</i>	
	1994 (From 10/94)	50,683
	1995	279,164
	1996 (To 5/96)	<u>119,901</u>
	<i>Subtotal (To 5/96)</i>	449,748
	<i>BFI/CECOS:</i>	
	1996	163,446
	1997	269,371
	<u>1998 (1/98-10/98)</u>	<u>207,541</u>
	<i>Subtotal</i>	640,358
	<b>94 IGR Order Total</b>	1,090,106
<b>Final IGR Total</b>		<b>1,904,431</b>
OMM Consent Decree (Beginning 11/98)	<i>BFI/CECOS:</i>	
	1998 (11/98-12/98)	18,423
	1999	177,710
	2000	196,613
	2001	130,212
	2002	118,592
	2003	<u>61,183</u>
<i>OMM Subtotal</i>	702,733	
<b>GRAND TOTAL</b>		<b>2,607,164</b>



• **LEACHATE DISPOSAL DOCUMENTATION**

April 9, 2003

<b>BFI/CECOS Work Order Number</b>	<b>Manifest #</b>	<b>Date Disposed</b>
285744	NYG2534949	4/9/03
285745	NYG2534931	4/9/03

May 7, 2003

<b>BFI/CECOS Work Order Number</b>	<b>Manifest #</b>	<b>Date Disposed</b>
285801	NYG2534958	5/7/02
285802	NYG2534967	5/7/02

June 4, 2003

<b>BFI/CECOS Work Order Number</b>	<b>Manifest #</b>	<b>Date Disposed</b>
285872	NYG2534985	6/4/03
285871	NYG2534976	6/4/03

Note: "Gallons removed" is based upon BFI/CECOS measurement of the "loaded" and "tare" weights as measured at the Niagara Falls, New York facility and shown on the weight tickets included in Attachment 4, and a density of 8.346 pounds per gallon.

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

**Attachment 5**

LR-6	NOV 1989	MAY 1990	NOV 1990	MAY 1991	NOV 1991	MAY 1992	NOV 1992	MAY 1993	NOV 1993	MAY 1994	NOV 1994	MAY 1995	NOV 1995	MAY 1996	NOV 1996	MAY 1997	NOV 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002	NOV 2002	MAY 2003
BENZENE	2J	ND	1J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	2J	ND	1J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	1J	ND	1J	0.3J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES (TOTAL)	1J	ND	3J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	48	87	49	34	33	14	12	8	10	8	7J	13	7	8	ND	8	5	4.2J	8	3	9	2	4.2	ND	4.1	1.8	.16J	1.6

M-25	AUG 1994	MAY 1996	NOV 1996	MAY 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002	NOV 2002	MAY 2003	
BENZENE	4J	9	ND	12	8.8	5	10	8	8	6.1	0.99	0.72	0.73	.42J	.25J	
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.85	.18J	.18J	.17J	.17J	
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.12J	ND	ND	ND	ND	
XYLENES (TOTAL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.79	ND	ND	ND	.12J	ND
CHLOROBENZENE	1J	3J	ND	8	5.1	ND	8	3J	8	4.8	1.1	2.1	2.1	1.8	1.1	
1,1-DICHLOROETHANE	ND	2J	4J	ND	ND	ND	ND	ND	ND	ND	.12J	ND	ND	ND	ND	

M-26	AUG 1994	MAY 1996	NOV 1996	MAY 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002	NOV 2002	MAY 2003
BENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOLUENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES (TOTAL)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

M-21	OCT 1991	CCT 1991	NOV 1991	AUG 1994	MAY 1996	NOV 1996	MAY 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002	NOV 2002	MAY 2003
BENZENE	39	38	100	7J	5	7	9	8.1	10	27	19	21	26	14	18	18	13	9.9
TOLUENE	5J	3J	10J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.34J
ETHYLBENZENE	59	57	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.25J
XYLENES (TOTAL)	250	240	670	30	ND	0.8J	1J	.8J	1J	ND	ND	ND	ND	.47J	0.91	.30J	.33J	.17J
CHLOROBENZENE	12	12	34	3J	2J	2J	4J	3.4J	3J	9	8	8	9.8	4.2	6.1	6.5	4.3	3.1
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	.19J	.32J	ND

LR-6	NOV 1989	MAY 1990	NOV 1990	MAY 1991	NOV 1991	MAY 1992	NOV 1992	MAY 1993	NOV 1993	MAY 1994	NOV 1994	MAY 1995	NOV 1995	MAY 1996	NOV 1996	MAY 1997	NOV 1997	MAY 1998	NOV 1998	MAY 1999	NOV 1999	MAY 2000	NOV 2000	MAY 2001	NOV 2001	MAY 2002	NOV 2002	MAY 2003	
BENZENE	100	32	55	87	84	82	82	84	45	36	48	51	48	42	29	20J	22	33	30	23	29	34	22	33	21	21	8.8	14	18
TOLUENE	12	11	138	9J	3J	18J	2J	7	0.8J	0.7J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35J	0.41J	.25J	.35J	.44J
ETHYLBENZENE	150	69	93	110	55	24	28	87	2J	0.8J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES (TOTAL)	380	200	310	370	1900	2700	370	3900	120	54	87	96	97	29	1J	ND	2J	3J	1.4J	ND	1J	ND	ND	1.1	0.96	1.2	.18J	1.2	.40J
CHLOROBENZENE	23	7	13	16	18	22	23	228	10	20	8J	8J	10	9	9	5	5	6	8.4	6	7	8	7	8.2	7.3	6.3	6.5	4.9	7.5
1,1-DICHLOROETHANE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	.15J	.10J	ND	.10J



**EXPLANATION**

- LR-6 ● LOCATION AND DESIGNATION OF EXISTING BEDROCK MONITORING WELL
- OD-1 ● LOCATION AND DESIGNATION OF ABANDONED BEDROCK MONITORING WELL
- FENCE (SITE BOUNDARY)
- - - SLURRY WALL
- ▲▲▲ LAND AREAS SUBJECT TO FREQUENT, SHALLOW INUNDATION

**DESIGNATION OF SAMPLING LOCATION**

DATE OF SAMPLING EVENT (R=REPLICATE)

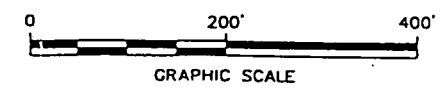
M-25	AUG 1994	MAY 1996	NOV 1996	MAY 1997
BENZENE	4J	9	ND	12
TOLUENE	ND	ND	ND	ND
ETHYLBENZENE	ND	ND	ND	ND
XYLENES (TOTAL)	1J	3J	ND	8
CHLOROBENZENE	ND	2J	4J	ND

CONCENTRATION OF VOC DETECTED IN BEDROCK GROUND WATER, MEASURED IN ug/L.

ND - NOT DETECTED  
 J - ESTIMATED CONCENTRATION (LESS THAN SAMPLE QUANTITATION LIMIT)  
 D - CONCENTRATION CALCULATED FROM SECONDARY DILUTION  
 B - COMPOUND DETECTED IN QUALITY CONTROL BLANKS

**NOTES:**

- BASE MAP ADAPTED FROM TOPOGRAPHIC MAP DEVELOPED BY LOCKWOOD MAPPING, INC. BASED ON AN APRIL 14, 1993 AERIAL PHOTOGRAPH; SOME WELL AND STREAM-GAUGE LOCATIONS ARE INFERRED; LOCATION OF SLURRY WALL BASED ON SITE PLAN DRAWN BY DUNN GEOSCIENCE CORP., INC. (DEC. 1994), TITLED "BORING, WELL & TEST PIT PLOT PLAN."
- ANALYTICAL DATA PRIOR TO AUGUST 1994 OBTAINED FROM GOLDER ASSOCIATES, INC. (1993a) AND URS COMPANY, INC. (1994)
- FIGURE PROVIDED BY ROUX ASSOCIATES, INC. (PROJECT No. 32702M06, FILE D0610002, DATED 3/98) AND PREVIOUSLY PRESENTED IN "REVIEW OF INTERIM GROUNDWATER REMOVAL AND LONG-TERM MONITORING PROGRAM DATA FOR PAS SITE" (MARCH 1998).



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

HISTORICAL CONCENTRATIONS OF VOCs  
OF CONCERN DETECTED IN CONSENT  
DECREE WELLS (1989-2003)

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

FIGURE  
**1**

L: ON=\*, OFF=REF  
 P: STD=POD/BL  
 5/24/00 STR=54-RCB  
 54618104/54619C01.DWG

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

**Summary of Validated  
Analytical Results**

## **QUALIFIED REPORT FORMS**

# O'Brien & Gere Laboratories, Inc.

# Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5091  
 Sample Description: Equipment Blank  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050803W3  
 Prepared: 05/08/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Chloromethane	<1.0	U	.061	1	05/08/03	
Vinyl chloride	<1.0	U	.058	1	05/08/03	
Bromomethane	<1.0	U	.043	1	05/08/03	
Chloroethane	<1.0	U	.11	1	05/08/03	
Acetone	J 1.3	J	.78	10	05/08/03	
1,1-Dichloroethene	<.50	U	.029	.5	05/08/03	
Methylene chloride	<2.0	U	.19	2	05/08/03	
Carbon disulfide	<.50	U	.040	.5	05/08/03	
trans-1,2-Dichloroethene	<.50	U	.046	.5	05/08/03	
1,1-Dichloroethane	<.50	U	.026	.5	05/08/03	
2-Butanone	<10.	U	.27	10	05/08/03	
cis-1,2-Dichloroethene	<.50	U	.054	.5	05/08/03	
Chloroform	<.50	U	.040	.5	05/08/03	
1,2-Dichloroethane	<.50	U	.022	.5	05/08/03	
1,1,1-Trichloroethane	<.50	U	.031	.5	05/08/03	
Carbon tetrachloride	<.50	U	.021	.5	05/08/03	
Benzene	<.50	U	.031	.5	05/08/03	
1,2-Dichloropropane	<.50	U	.038	.5	05/08/03	
Trichloroethene	<.50	U	.042	.5	05/08/03	
Bromodichloromethane	<.50	U	.021	.5	05/08/03	
cis-1,3-Dichloropropene	<.50	U	.041	.5	05/08/03	
4-Methyl-2-pentanone	<5.0	U J	.35	5	05/08/03	
trans-1,3-Dichloropropene	<.50	U	.064	.5	05/08/03	
1,1,2-Trichloroethane	<.50	U	.072	.5	05/08/03	
Toluene	<.50	U	.049	.5	05/08/03	
Dibromochloromethane	<.50	U	.053	.5	05/08/03	
2-Hexanone	<5.0	U J	.35	5	05/08/03	
Tetrachloroethene	<.50	U	.039	.5	05/08/03	
Chlorobenzene	<.50	U	.028	.5	05/08/03	
Ethylbenzene	<.50	U	.036	.5	05/08/03	
Bromoform	<.50	U	.068	.5	05/08/03	
Xylene (total)	<.50	U	.049	.5	05/08/03	
Styrene	<.50	U	.036	.5	05/08/03	

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

# O'Brien & Gere Laboratories, Inc.

## Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5091  
 Sample Description: Equipment Blank  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050803W3  
 Prepared: 05/08/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
1,1,2,2-Tetrachloroethane	<.50	U	.12	.5	05/08/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	99		78-124
1,2-Dichloroethane-d4 (surrogate)	98		77-133
Toluene-d8 (surrogate)	105		80-121
Bromofluorobenzene (surrogate)	96		71-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.  
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Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

# O'Brien & Gere Laboratories, Inc.

# Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5092  
 Sample Description: LR-8  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050803W3  
 Prepared: 05/08/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Chloromethane	<1.0	U	.061	1	05/08/03
Vinyl chloride	<1.0	U	.058	1	05/08/03
Bromomethane	<1.0	U	.043	1	05/08/03
Chloroethane	6.1		.11	1	05/08/03
Acetone	<10 U	J	<del>2.6</del>	10	05/08/03
1,1-Dichloroethene	<.50	U	.029	.5	05/08/03
Methylene chloride	J .20	J	.19	2	05/08/03
Carbon disulfide	<.50	U	.040	.5	05/08/03
trans-1,2-Dichloroethene	<.50	U	.046	.5	05/08/03
1,1-Dichloroethane	J .10	J	.026	.5	05/08/03
2-Butanone	<10.	U	.27	10	05/08/03
cis-1,2-Dichloroethene	<.50	U	.054	.5	05/08/03
Chloroform	<.50	U	.040	.5	05/08/03
1,2-Dichloroethane	<.50	U	.022	.5	05/08/03
1,1,1-Trichloroethane	<.50	U	.031	.5	05/08/03
Carbon tetrachloride	<.50	U	.021	.5	05/08/03
Benzene	16.		.031	.5	05/08/03
1,2-Dichloropropane	<.50	U	.038	.5	05/08/03
Trichloroethene	<.50	U	.042	.5	05/08/03
Bromodichloromethane	<.50	U	.021	.5	05/08/03
cis-1,3-Dichloropropene	<.50	U	.041	.5	05/08/03
4-Methyl-2-pentanone	<5.0	U J	.35	5	05/08/03
trans-1,3-Dichloropropene	<.50	U	.064	.5	05/08/03
1,1,2-Trichloroethane	<.50	U	.072	.5	05/08/03
Toluene	J .44	J	.049	.5	05/08/03
Dibromochloromethane	<.50	U	.053	.5	05/08/03
2-Hexanone	<5.0	U J	.35	5	05/08/03
Tetrachloroethene	<.50	U	.039	.5	05/08/03
Chlorobenzene	7.5		.028	.5	05/08/03
Ethylbenzene	<.50	U	.036	.5	05/08/03
Bromoform	<.50	U	.068	.5	05/08/03
Xylene (total)	J .40	J	.049	.5	05/08/03
Styrene	<.50	U	.036	.5	05/08/03

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

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**O'Brien & Gere  
Laboratories, Inc.**

**Analytical Results  
Method: 8260**

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5092  
 Sample Description: LR-8  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050803W3  
 Prepared: 05/08/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
1,1,2,2-Tetrachloroethane	<.50	U	.12	.5	05/08/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	101		78 - 124
1,2-Dichloroethane-d4 (surrogate)	101		77 - 133
Toluene-d8 (surrogate)	104		80 - 121
Bromofluorobenzene (surrogate)	100		71 - 120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

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# O'Brien & Gere Laboratories, Inc.

# Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5093  
 Sample Description: M-21  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050803W3  
 Prepared: 05/08/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Chloromethane	<1.0	U	.061	1	05/08/03
Vinyl chloride	<1.0	U	.058	1	05/08/03
Bromomethane	<1.0	U	.043	1	05/08/03
Chloroethane	3.7		.11	1	05/08/03
Acetone	<10.	U	.78	10	05/08/03
1,1-Dichloroethene	<.50	U	.029	.5	05/08/03
Methylene chloride	<2.0	U	.19	2	05/08/03
Carbon disulfide	<.50	U	.040	.5	05/08/03
trans-1,2-Dichloroethene	<.50	U	.046	.5	05/08/03
1,1-Dichloroethane	<.50	U	.026	.5	05/08/03
2-Butanone	<10.	U	.27	10	05/08/03
cis-1,2-Dichloroethene	<.50	U	.054	.5	05/08/03
Chloroform	<.50	U	.040	.5	05/08/03
1,2-Dichloroethane	<.50	U	.022	.5	05/08/03
1,1,1-Trichloroethane	<.50	U	.031	.5	05/08/03
Carbon tetrachloride	<.50	U	.021	.5	05/08/03
Benzene	9.9		.031	.5	05/08/03
1,2-Dichloropropane	<.50	U	.038	.5	05/08/03
Trichloroethene	<.50	U	.042	.5	05/08/03
Bromodichloromethane	<.50	U	.021	.5	05/08/03
cis-1,3-Dichloropropene	<.50	U	.041	.5	05/08/03
4-Methyl-2-pentanone	<5.0	U J	.35	5	05/08/03
trans-1,3-Dichloropropene	<.50	U	.064	.5	05/08/03
1,1,2-Trichloroethane	<.50	U	.072	.5	05/08/03
Toluene	J .25	J	.049	.5	05/08/03
Dibromochloromethane	<.50	U	.053	.5	05/08/03
2-Hexanone	<5.0	U J	.35	5	05/08/03
Tetrachloroethene	<.50	U	.039	.5	05/08/03
Chlorobenzene	3.1		.028	.5	05/08/03
Ethylbenzene	<.50	U	.036	.5	05/08/03
Bromoform	<.50	U	.068	.5	05/08/03
Xylene (total)	J .17	J	.049	.5	05/08/03
Styrene	<.50	U	.036	.5	05/08/03

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

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**O'Brien & Gere  
Laboratories, Inc.**

**Analytical Results  
Method: 8260**

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5093  
 Sample Description: M-21  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03      Matrix: Water  
 Received: 05/06/03      QC Batch: 050803W3  
 Prepared: 05/08/03      %Solids:  
                                  Sample Size: 10 mL  
                                  Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
1,1,2,2-Tetrachloroethane	<.50	U	.12	.5	05/08/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	100		78-124
1,2-Dichloroethane-d4 (surrogate)	100		77-133
Toluene-d8 (surrogate)	105		80-121
Bromofluorobenzene (surrogate)	101		71-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003      Thomas Alexander

# O'Brien & Gere Laboratories, Inc.

# Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5094  
 Sample Description: LR-6  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050803W3  
 Prepared: 05/08/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Chloromethane	<1.0	U	.061	1	05/08/03
Vinyl chloride	<1.0	U	.058	1	05/08/03
Bromomethane	<1.0	U	.043	1	05/08/03
Chloroethane	J .21	J	.11	1	05/08/03
Acetone	<10.	U	.78	10	05/08/03
1,1-Dichloroethene	<.50	U	.029	.5	05/08/03
Methylene chloride	<2.0	U	.19	2	05/08/03
Carbon disulfide	<.50	U	.040	.5	05/08/03
trans-1,2-Dichloroethene	<.50	U	.046	.5	05/08/03
1,1-Dichloroethane	1.6		.026	.5	05/08/03
2-Butanone	<10.	U	.27	10	05/08/03
cis-1,2-Dichloroethene	<.50	U	.054	.5	05/08/03
Chloroform	<.50	U	.040	.5	05/08/03
1,2-Dichloroethane	<.50	U	.022	.5	05/08/03
1,1,1-Trichloroethane	<.50	U	.031	.5	05/08/03
Carbon tetrachloride	<.50	U	.021	.5	05/08/03
Benzene	<.50	U	.031	.5	05/08/03
1,2-Dichloropropane	<.50	U	.038	.5	05/08/03
Trichloroethene	J .13	J	.042	.5	05/08/03
Bromodichloromethane	<.50	U	.021	.5	05/08/03
cis-1,3-Dichloropropene	<.50	U	.041	.5	05/08/03
4-Methyl-2-pentanone	<5.0	U J	.35	5	05/08/03
trans-1,3-Dichloropropene	<.50	U	.064	.5	05/08/03
1,1,2-Trichloroethane	<.50	U	.072	.5	05/08/03
Toluene	<.50	U	.049	.5	05/08/03
Dibromochloromethane	<.50	U	.053	.5	05/08/03
2-Hexanone	<5.0	U	.35	5	05/08/03
Tetrachloroethene	<.50	U	.039	.5	05/08/03
Chlorobenzene	<.50	U	.028	.5	05/08/03
Ethylbenzene	<.50	U	.036	.5	05/08/03
Bromoform	<.50	U	.068	.5	05/08/03
Xylene (total)	<.50	U	.049	.5	05/08/03
Styrene	<.50	U	.036	.5	05/08/03

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

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# O'Brien & Gere Laboratories, Inc.

# Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5094  
 Sample Description: LR-6  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03      Matrix: Water  
 Received: 05/06/03      QC Batch: 050803W3  
 Prepared: 05/08/03      %Solids:  
                                  Sample Size: 10 mL  
                                  Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
1,1,2,2-Tetrachloroethane	<.50	U	.12	.5	05/08/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	101		78-124
1,2-Dichloroethane-d4 (surrogate)	99		77-133
Toluene-d8 (surrogate)	105		80-121
Bromofluorobenzene (surrogate)	97		71-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003      Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

# O'Brien & Gere Laboratories, Inc.

# Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5097  
 Sample Description: M-26  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/06/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050903W3  
 Prepared: 05/09/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Chloromethane	<1.0	U	.061	1	05/09/03
Vinyl chloride	<1.0	U	.058	1	05/09/03
Bromomethane	<1.0	U	.043	1	05/09/03
Chloroethane	<1.0	U	.11	1	05/09/03
Acetone	<10.	U	.78	10	05/09/03
1,1-Dichloroethene	<.50	U	.029	.5	05/09/03
Methylene chloride	<2.0	U	.19	2	05/09/03
Carbon disulfide	<.50	U	.040	.5	05/09/03
trans-1,2-Dichloroethene	<.50	U	.046	.5	05/09/03
1,1-Dichloroethane	<.50	U	.026	.5	05/09/03
2-Butanone	<10.	U	.27	10	05/09/03
cis-1,2-Dichloroethene	<.50	U	.054	.5	05/09/03
Chloroform	<.50	U	.040	.5	05/09/03
1,2-Dichloroethane	<.50	U	.022	.5	05/09/03
1,1,1-Trichloroethane	<.50	U	.031	.5	05/09/03
Carbon tetrachloride	<.50	U	.021	.5	05/09/03
Benzene	<.50	U	.031	.5	05/09/03
1,2-Dichloropropane	<.50	U	.038	.5	05/09/03
Trichloroethene	<.50	U	.042	.5	05/09/03
Bromodichloromethane	<.50	U	.021	.5	05/09/03
cis-1,3-Dichloropropene	<.50	U	.041	.5	05/09/03
4-Methyl-2-pentanone	<5.0	U J	.35	5	05/09/03
trans-1,3-Dichloropropene	<.50	U	.064	.5	05/09/03
1,1,2-Trichloroethane	<.50	U	.072	.5	05/09/03
Toluene	<.50	U	.049	.5	05/09/03
Dibromochloromethane	<.50	U	.053	.5	05/09/03
2-Hexanone	<5.0	U J	.35	5	05/09/03
Tetrachloroethene	<.50	U	.039	.5	05/09/03
Chlorobenzene	<.50	U	.028	.5	05/09/03
Ethylbenzene	<.50	U	.036	.5	05/09/03
Bromoform	<.50	U	.068	.5	05/09/03
Xylene (total)	<.50	U	.049	.5	05/09/03
Styrene	<.50	U	.036	.5	05/09/03

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

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**O'Brien & Gere  
Laboratories, Inc.**

**Analytical Results  
Method: 8260**

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5097  
 Sample Description: M-26  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/06/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050903W3  
 Prepared: 05/09/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
1,1,2,2-Tetrachloroethane	<.50	U	.12	.5	05/09/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	98		78-124
1,2-Dichloroethane-d4 (surrogate)	98		77-133
Toluene-d8 (surrogate)	106		80-121
Bromofluorobenzene (surrogate)	96		71-120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

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# O'Brien & Gere Laboratories, Inc.

## Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5098  
 Sample Description: M-25  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/06/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050903W3  
 Prepared: 05/09/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed	Notes
Chloromethane	<1.0	U	.061	1	05/09/03	
Vinyl chloride	<1.0	U	.058	1	05/09/03	
Bromomethane	<1.0	U	.043	1	05/09/03	
Chloroethane	J .85	J	.11	1	05/09/03	
Acetone	<10.	U	.78	10	05/09/03	
1,1-Dichloroethene	<.50	U	.029	.5	05/09/03	
Methylene chloride	<2.0	U	.19	2	05/09/03	
Carbon disulfide	<.50	U	.040	.5	05/09/03	
trans-1,2-Dichloroethene	<.50	U	.046	.5	05/09/03	
1,1-Dichloroethane	<.50	U	.026	.5	05/09/03	
2-Butanone	<10.	U	.27	10	05/09/03	
cis-1,2-Dichloroethene	<.50	U	.054	.5	05/09/03	
Chloroform	.96		.040	.5	05/09/03	
1,2-Dichloroethane	<.50	U	.022	.5	05/09/03	
1,1,1-Trichloroethane	<.50	U	.031	.5	05/09/03	
Carbon tetrachloride	<.50	U	.021	.5	05/09/03	
Benzene	J .25	J	.031	.5	05/09/03	
1,2-Dichloropropane	<.50	U	.038	.5	05/09/03	
Trichloroethene	<.50	U	.042	.5	05/09/03	
Bromodichloromethane	J .46	J	.021	.5	05/09/03	
cis-1,3-Dichloropropene	<.50	U	.041	.5	05/09/03	
4-Methyl-2-pentanone	<5.0	U J	.35	5	05/09/03	
trans-1,3-Dichloropropene	<.50	U	.064	.5	05/09/03	
1,1,2-Trichloroethane	<.50	U	.072	.5	05/09/03	
Toluene	J .17	J	.049	.5	05/09/03	
Dibromochloromethane	J .18	J	.053	.5	05/09/03	
2-Hexanone	<5.0	U J	.35	5	05/09/03	
Tetrachloroethene	<.50	U	.039	.5	05/09/03	
Chlorobenzene	1.1		.028	.5	05/09/03	
Ethylbenzene	<.50	U	.036	.5	05/09/03	
Bromoform	<.50	U	.068	.5	05/09/03	
Xylene (total)	<.50	U	.049	.5	05/09/03	
Styrene	<.50	U	.036	.5	05/09/03	

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 22, 2003 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200



# O'Brien & Gere Laboratories, Inc.

## Analytical Results Method: 8260

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5098  
 Sample Description: M-25  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/06/03      Matrix: Water  
 Received: 05/06/03      QC Batch: 050903W3  
 Prepared: 05/09/03      %Solids:  
                                  Sample Size: 10 mL  
                                  Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
1,1,2,2-Tetrachloroethane	<.50	U	.12	.5	05/09/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	98		78 - 124
1,2-Dichloroethane-d4 (surrogate)	96		77 - 133
Toluene-d8 (surrogate)	106		80 - 121
Bromofluorobenzene (surrogate)	97		71 - 120

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.  
 # - Outside control limits U - Undetected at the reported level.  
 J - reported value is estimated. D - Result is diluted.  
 E - concentration exceeded the calibration range and is estimated.

Authorized: \_\_\_\_\_  
 Date: May 22, 2003      Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

# Analytical Results

## Method: 8260

O'Brien & Gere  
Laboratories, Inc.

Job No.: 3027.333.32301  
Certification NY No.: 10155

Project: O'Brien & Gere Inc. of North America  
PAS Site - Oswego, NY  
Proj. Desc:  
Package#: 5274  
Sample: A5099  
Sample Description: QC Trip Blank  
Instrument: HP5973 GCMS#3  
Units: ug/L  
Number of analytes: 34

Collected: 05/05/03 Matrix: Water  
Received: 05/06/03 QC Batch: 050903W3  
Prepared: 05/09/03 %Solids:  
Sample Size: 10 mL  
Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
Chloromethane	<1.0	U	.061	1	05/09/03
Vinyl chloride	<1.0	U	.058	1	05/09/03
Bromomethane	<1.0	U	.043	1	05/09/03
Chloroethane	<1.0	U	.11	1	05/09/03
Acetone	J 1.6	J	.78	10	05/09/03
1,1-Dichloroethene	<.50	U	.029	.5	05/09/03
Methylene chloride	<2.0	U	.19	2	05/09/03
Carbon disulfide	<.50	U	.040	.5	05/09/03
trans-1,2-Dichloroethene	<.50	U	.046	.5	05/09/03
1,1-Dichloroethane	<.50	U	.026	.5	05/09/03
2-Butanone	<10.	U	.27	10	05/09/03
cis-1,2-Dichloroethene	<.50	U	.054	.5	05/09/03
Chloroform	<.50	U	.040	.5	05/09/03
1,2-Dichloroethane	<.50	U	.022	.5	05/09/03
1,1,1-Trichloroethane	<.50	U	.031	.5	05/09/03
Carbon tetrachloride	<.50	U	.021	.5	05/09/03
Benzene	<.50	U	.031	.5	05/09/03
1,2-Dichloropropane	<.50	U	.038	.5	05/09/03
Trichloroethene	<.50	U	.042	.5	05/09/03
Bromodichloromethane	<.50	U	.021	.5	05/09/03
cis-1,3-Dichloropropene	<.50	U	.041	.5	05/09/03
4-Methyl-2-pentanone	<5.0	U J	.35	5	05/09/03
trans-1,3-Dichloropropene	<.50	U	.064	.5	05/09/03
1,1,2-Trichloroethane	<.50	U	.072	.5	05/09/03
Toluene	<.50	U	.049	.5	05/09/03
Dibromochloromethane	<.50	U	.053	.5	05/09/03
2-Hexanone	<5.0	U J	.35	5	05/09/03
Tetrachloroethene	<.50	U	.039	.5	05/09/03
Chlorobenzene	<.50	U	.028	.5	05/09/03
Ethylbenzene	<.50	U	.036	.5	05/09/03
Bromoform	<.50	U	.068	.5	05/09/03
Xylene (total)	<.50	U	.049	.5	05/09/03
Styrene	<.50	U	.036	.5	05/09/03

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Authorized: \_\_\_\_\_  
Date: May 12, 2003 Thomas Alexander

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**O'Brien & Gere  
Laboratories, Inc.**

**Analytical Results  
Method: 8260**

Client: O'Brien & Gere Inc. of North America  
 Project: PAS Site - Oswego, NY  
 Proj. Desc:  
 Package#: 5274  
 Sample: A5099  
 Sample Description: QC Trip Blank  
 Instrument: HP5973 GCMS#3  
 Units: ug/L  
 Number of analytes: 34

Job No.: 3027.333.32301  
 Certification NY No.: 10155

Collected: 05/05/03 Matrix: Water  
 Received: 05/06/03 QC Batch: 050903W3  
 Prepared: 05/09/03 %Solids:  
 Sample Size: 10 mL  
 Dilution: 1

Parameter	Result	Qual	MDL	PQL	Analyzed Notes
1,1,2,2-Tetrachloroethane	<.50	U	.12	.5	05/09/03

Surrogate	%R	Qual	%R Limits
Dibromofluoromethane (surrogate)	99		78-124
1,2-Dichloroethane-d4 (surrogate)	98		77-133
Toluene-d8 (surrogate)	106		80-121
Bromofluorobenzene (surrogate)	98		71-120

Notes:

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Authorized: \_\_\_\_\_  
 Date: May 12, 2003 Thomas Alexander

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File on eDOCs \_\_\_\_\_ Yes \_\_\_\_\_ No

Site Name YAS

Site No. 730001

County Oswego

Town Oswego

Foitable X Yes \_\_\_\_\_ No

File Name 2003-07-02: Q2-03 Report

Scanned & eDOC \_\_\_\_\_