

July 29, 2019

**Mr. Michael Belveg**

Regional Enforcement Coordinator – Region 7  
New York State Department of Environmental Conservation  
615 Erie Blvd. West  
Syracuse, NY 13204

RE: Former Accurate Die Casting Site (Site No. 734052), Fayetteville, NY  
FILE: 3902.45845 Corres

Dear Mr. Belveg:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site (Site No. 734052) in Fayetteville, New York for the second quarter of 2019 (April 1 through June 30). This information is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

#### **OPERATION STATUS AND ACTIVITIES COMPLETED**

As of June 30, 2019, a total of 119,261,336 gallons of groundwater have been treated since startup on February 5, 1996. From April 1 to June 30, 2019, 1,120,486 gallons of groundwater were treated: 182,401 gallons from recovery well RW-1; 937,695 gallons from recovery well RW-2; 275 gallons from the collection trench constructed in the former VOC/PAH/PCB Soils Area; and 115 gallons from the overburden groundwater collection sump located in the former soil excavation area along the northwest side of the former manufacturing building (Area 2).


OBG performed the sampling activities associated with the SPDES Fact Sheet. The analytical results associated with the SPDES Fact Sheet monitoring activities performed during April, May, and June 2019 are summarized in **Table 1**. The effluent quality during the period complied with the SPDES discharge limits. The laboratory analytical data sheets are provided as **Attachment A**.

The diffuser in the lead granular activated carbon (GAC) unit was cleaned on May 30, 2019, and the bag filters were changed-out.

#### **ACTIVITIES SCHEDULED**

The groundwater recovery and treatment system will continue to be operated and the SPDES monitoring will continue to be conducted.





If you have any questions regarding this report, please do not hesitate to call David Carnevale at (315) 956-6571.

Very truly yours,  
O'BRIEN & GERE ENGINEERS, INC.



**Douglas M. Crawford, P.E.**  
Vice President

cc: H. Warner – New York State Department of Environmental Conservation  
E. O'Neil - New York State Department of Health  
M. Schuck - New York State Department of Health  
T. Slutzky – The Anderson Company  
J. Stanek – ITT Corporation  
L. Hall – ITT Corporation  
E. Gernant – O'Brien & Gere, Office of General Counsel

**Table 1**  
**Former Accurate Die Casting Site**  
**Fayetteville, New York**  
**Monitoring Requirements and Effluent Data**

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample													
Flow (GPD)	Monitor	150000	Continuous	Meter	4/1/2019	4/5/2019	4/8/2019	4/10/2019	4/12/2019	4/15/2019	4/16/2019	4/17/2019	4/19/2019	4/23/2019	4/25/2019	4/26/2019	4/29/2019
pH (SU)	6.5-8.5		2/Week	Grab	12421	12392	12366	9980	12363	12376	12381	12393	12385	12367	12399	12461	12401
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	< 4 U			< 4 U		< 8.5 H			< 4 U				< 4 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	624			613		612 B			646 B				640 B
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.													
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.													
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U							
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U							
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	1 U					1 U							
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U							
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U							
Toluene (ug/L)	Monitor	20	2/Month	Grab	1 U					1 U							
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U							

Notes:

--- - Not analyzed, NA - Data Not available

U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded, B - Compound found in the blank and sample

(1) Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

**Table 1**  
**Former Accurate Die Casting Site**  
**Fayetteville, New York**  
**Monitoring Requirements and Effluent Data**

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample Type													
Flow (GPD)	Monitor	150000	Continuous	Meter	5/1/2019	5/3/2019	5/6/2019	5/9/2019	5/10/2019	5/13/2019	5/15/2019	5/17/2019	5/20/2019	5/21/2109	5/24/2019	5/28/2109	5/30/2019
Flow (GPD)	Monitor	150000	Continuous	Meter	12397	12426	12416		12390	12412	12499	12453	12493	12561	12533	12533	12538
pH (SU)	6.5-8.5		2/Week	Grab	7.4	7.4	7.4		7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.				< 4 U			< 4 U		< 4 U				< 4 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.				636 B			931		599				635
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.													
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.													
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab				1 U					1 U				
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab				1 U					1 U				
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab				1 U					1 U				
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab				1 U					1 U				
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab				1 U					1 U				
Toluene (ug/L)	Monitor	20	2/Month	Grab				1 U					1U				
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab				1 U					1 U				



**Table 1**  
**Former Accurate Die Casting Site**  
**Fayetteville, New York**  
**Monitoring Requirements and Effluent Data**

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample Type											
Flow (GPD)	Daily Average	Daily Maximum	Frequency (1)	Meter	5/31/2019	6/3/2019	6/5/2019	6/6/2019	6/7/2019	6/11/2019	6/13/2019	6/17/2019	6/24/2019	6/25/2019	6/27/2019
	Monitor	150000	Continuous	Meter	11770	12571	12561	12544	12515	12522	12508	12478	12514	12602	12540
pH (SU)	6.5-8.5		2/Week	Grab	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.5	7.5
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.			< 4 U			< 4 U		< 4 U	< 4 U		
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.			622			617		647	617		
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.			0.00020 U								
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.			0.010 U								
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U								
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U								
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab			0.46 J								
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab			1 U								
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U								
Toluene (ug/L)	Monitor	20	2/Month	Grab			1U								
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U								

Notes:  
 --- - Not analyzed, NA - Data Not available  
 U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded, B - Compound found in the blank and sample  
 (1) Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-151144-1

Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



*Authorized for release by:*

*4/12/2019 9:22:42 AM*

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I  
(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

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**Job ID: 480-151144-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

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**Job Narrative  
480-151144-1**

### Receipt

The samples were received on 4/2/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

### GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

## Client Sample ID: EFFLUENT 040119

Lab Sample ID: 480-151144-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	624		10.0	4.0	mg/L	1		SM2540 C	Total/NA

## Client Sample ID: BETWEEN CARBONS 040119

Lab Sample ID: 480-151144-2

No Detections.

## Client Sample ID: EFFLUENT 040119

Lab Sample ID: 480-151144-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

**Client Sample ID: EFFLUENT 040119**

**Lab Sample ID: 480-151144-1**

Date Collected: 04/01/19 07:20

Matrix: Water

Date Received: 04/02/19 01:00

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	624		10.0	4.0	mg/L			04/05/19 08:16	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/04/19 03:14	1

**Client Sample ID: BETWEEN CARBONS 040119**

**Lab Sample ID: 480-151144-2**

Date Collected: 04/01/19 07:20

Matrix: Water

Date Received: 04/02/19 01:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/03/19 12:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/03/19 12:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/03/19 12:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/03/19 12:49	1
Toluene	ND		1.0	0.51	ug/L			04/03/19 12:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/03/19 12:49	1
Trichloroethene	ND		1.0	0.46	ug/L			04/03/19 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120					04/03/19 12:49	1
4-Bromofluorobenzene (Surr)	97		73 - 120					04/03/19 12:49	1
Toluene-d8 (Surr)	88		80 - 120					04/03/19 12:49	1
Dibromofluoromethane (Surr)	109		75 - 123					04/03/19 12:49	1

**Client Sample ID: EFFLUENT 040119**

**Lab Sample ID: 480-151144-3**

Date Collected: 04/01/19 07:20

Matrix: Water

Date Received: 04/02/19 01:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/03/19 13:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/03/19 13:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/03/19 13:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/03/19 13:13	1
Toluene	ND		1.0	0.51	ug/L			04/03/19 13:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/03/19 13:13	1
Trichloroethene	ND		1.0	0.46	ug/L			04/03/19 13:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120					04/03/19 13:13	1
4-Bromofluorobenzene (Surr)	94		73 - 120					04/03/19 13:13	1
Toluene-d8 (Surr)	87		80 - 120					04/03/19 13:13	1
Dibromofluoromethane (Surr)	108		75 - 123					04/03/19 13:13	1

# Surrogate Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-151144-2	BETWEEN CARBONS 040119	114	97	88	109
480-151144-3	EFFLUENT 040119	108	94	87	108
LCS 480-465970/5	Lab Control Sample	108	103	90	109
MB 480-465970/7	Method Blank	106	100	90	109

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)



# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-465970/7

Matrix: Water

Analysis Batch: 465970

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/03/19 11:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/03/19 11:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/03/19 11:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/03/19 11:01	1
Toluene	ND		1.0	0.51	ug/L			04/03/19 11:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/03/19 11:01	1
Trichloroethene	ND		1.0	0.46	ug/L			04/03/19 11:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		04/03/19 11:01	1
4-Bromofluorobenzene (Surr)	100		73 - 120		04/03/19 11:01	1
Toluene-d8 (Surr)	90		80 - 120		04/03/19 11:01	1
Dibromofluoromethane (Surr)	109		75 - 123		04/03/19 11:01	1

Lab Sample ID: LCS 480-465970/5

Matrix: Water

Analysis Batch: 465970

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	21.3		ug/L		85	76 - 120
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
Tetrachloroethene	25.0	21.6		ug/L		87	74 - 122
Toluene	25.0	20.1		ug/L		81	80 - 122
trans-1,2-Dichloroethene	25.0	21.7		ug/L		87	73 - 127
Trichloroethene	25.0	24.7		ug/L		99	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	90		80 - 120
Dibromofluoromethane (Surr)	109		75 - 123

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-466156/1

Matrix: Water

Analysis Batch: 466156

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/04/19 03:14	1

Lab Sample ID: LCS 480-466156/2

Matrix: Water

Analysis Batch: 466156

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	245	246.8		mg/L		101	88 - 110

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

## Method: SM 2540D - Solids, Total Suspended (TSS) (Continued)

Lab Sample ID: 480-151144-1 DU  
 Matrix: Water  
 Analysis Batch: 466156

Client Sample ID: EFFLUENT 040119  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Solids	ND		ND		mg/L		NC	10

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-466412/1  
 Matrix: Water  
 Analysis Batch: 466412

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/05/19 08:16	1

Lab Sample ID: LCS 480-466412/2  
 Matrix: Water  
 Analysis Batch: 466412

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	507.0		mg/L		101	85 - 115

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

## GC/MS VOA

### Analysis Batch: 465970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151144-2	BETWEEN CARBONS 040119	Total/NA	Water	8260C	
480-151144-3	EFFLUENT 040119	Total/NA	Water	8260C	
MB 480-465970/7	Method Blank	Total/NA	Water	8260C	
LCS 480-465970/5	Lab Control Sample	Total/NA	Water	8260C	

## General Chemistry

### Analysis Batch: 466156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151144-1	EFFLUENT 040119	Total/NA	Water	SM 2540D	
MB 480-466156/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-466156/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-151144-1 DU	EFFLUENT 040119	Total/NA	Water	SM 2540D	

### Analysis Batch: 466412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151144-1	EFFLUENT 040119	Total/NA	Water	SM2540 C	
MB 480-466412/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-466412/2	Lab Control Sample	Total/NA	Water	SM2540 C	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

**Client Sample ID: EFFLUENT 040119**

**Lab Sample ID: 480-151144-1**

Date Collected: 04/01/19 07:20

Matrix: Water

Date Received: 04/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	466156	04/04/19 03:14	MLS	TAL BUF
Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM2540 C		1	466412	04/05/19 08:16	RAF	TAL BUF
Total/NA	Analysis	SM2540 C		1	466412	04/05/19 08:16	RAF	TAL BUF

**Client Sample ID: BETWEEN CARBONS 040119**

**Lab Sample ID: 480-151144-2**

Date Collected: 04/01/19 07:20

Matrix: Water

Date Received: 04/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465970	04/03/19 12:49	OMI	TAL BUF

**Client Sample ID: EFFLUENT 040119**

**Lab Sample ID: 480-151144-3**

Date Collected: 04/01/19 07:20

Matrix: Water

Date Received: 04/02/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	465970	04/03/19 13:13	OMI	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151144-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-151144-1	EFFLUENT 040119	Water	04/01/19 07:20	04/02/19 01:00
480-151144-2	BETWEEN CARBONS 040119	Water	04/01/19 07:20	04/02/19 01:00
480-151144-3	EFFLUENT 040119	Water	04/01/19 07:20	04/02/19 01:00

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### Chain of Custody Record

<b>Client Information</b> Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carrier Tracking No(s): COC No: 480-122337-10588.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11900114 WO #: Project #: 48008584 SSOW#:		Analysis Requested 2540D - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids 8260C - Volatile Organic Compounds Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No)	
Sample Identification Effluent 040119 Between Carbons 040119 Effluent 040119 4-1-19 RE-		Total Number of containers U - Acetone V - MCAA W - pH 4.5 L - EDTA Other: Special Instructions/Note: Syracuse #225	
Sample Date 4-1-19 4-1-19 4-1-19		Sample Time 7:20 7:20 7:20	
Sample Type (C=Comp, G=grab) C G G		Matrix (W=water, S=solid, O=wastebill, LRT=tissue, A=air) Water Water water	
Preservation Code: N N A		Special Instructions/Note: 2 3 3	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)			
Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Special Instructions/QC Requirements:			
Empty Kit Relinquished by: Relinquished by: Relinquished by: Relinquished by:		Date: 4-1-19 / 9:55 4-1-19, 19:00 Date/Time: Date/Time: Date/Time:	
Relinquished by: Relinquished by: Relinquished by:		Method of Shipment: Received by: Received by: Received by:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks 3-2 # /	





## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-151144-1

**Login Number: 151144**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Wallace, Cameron**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-151799-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
4/30/2019 11:12:54 AM  
Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for  
Melissa Deyo, Project Manager I  
(716)504-9874  
[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

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**Job ID: 480-151799-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

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**Job Narrative**  
**480-151799-1**

## Receipt

The sample was received on 4/11/2019 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

**Client Sample ID: EFFLUENT 041019**

**Lab Sample ID: 480-151799-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	613		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

**Client Sample ID: EFFLUENT 041019**

**Lab Sample ID: 480-151799-1**

Date Collected: 04/10/19 07:15

Matrix: Water

Date Received: 04/11/19 01:00

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>613</b>		10.0	4.0	mg/L			04/17/19 01:21	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/16/19 01:46	1

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# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-468058/1  
 Matrix: Water  
 Analysis Batch: 468058

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/16/19 01:46	1

Lab Sample ID: LCS 480-468058/2  
 Matrix: Water  
 Analysis Batch: 468058

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	246	245.2		mg/L		100	88 - 110

Lab Sample ID: 480-151799-1 DU  
 Matrix: Water  
 Analysis Batch: 468058

Client Sample ID: EFFLUENT 041019  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	ND		ND		mg/L		NC	10

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-468258/1  
 Matrix: Water  
 Analysis Batch: 468258

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/17/19 01:21	1

Lab Sample ID: LCS 480-468258/2  
 Matrix: Water  
 Analysis Batch: 468258

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	491.0		mg/L		98	85 - 115

Lab Sample ID: 480-151799-1 DU  
 Matrix: Water  
 Analysis Batch: 468258

Client Sample ID: EFFLUENT 041019  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	613		626.0		mg/L		2	10



# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

## General Chemistry

### Analysis Batch: 468058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151799-1	EFFLUENT 041019	Total/NA	Water	SM 2540D	
MB 480-468058/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-468058/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-151799-1 DU	EFFLUENT 041019	Total/NA	Water	SM 2540D	

### Analysis Batch: 468258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-151799-1	EFFLUENT 041019	Total/NA	Water	SM2540 C	
MB 480-468258/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-468258/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-151799-1 DU	EFFLUENT 041019	Total/NA	Water	SM2540 C	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

**Client Sample ID: EFFLUENT 041019**

**Lab Sample ID: 480-151799-1**

**Date Collected: 04/10/19 07:15**

**Matrix: Water**

**Date Received: 04/11/19 01:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	468058	04/16/19 01:46	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	468258	04/17/19 01:21	MLS	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-151799-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-151799-1	EFFLUENT 041019	Water	04/10/19 07:15	04/11/19 01:00

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## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-151799-1

**Login Number: 151799**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Harper, Marcus D**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

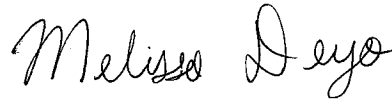
Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-152073-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
6/3/2019 9:42:11 AM

Melissa Deyo, Project Manager I  
(716)504-9874  
[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

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*Results relate only to the items tested and the sample(s) as received by the laboratory.*





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# Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

## Qualifiers

### General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
H	Sample was prepped or analyzed beyond the specified holding time

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

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**Job ID: 480-152073-1**

---

**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

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**Job Narrative**  
**480-152073-1**

### Receipt

The samples were received on 4/17/2019 7:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

### GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### General Chemistry

Method(s) SM 2540D: Due to the matrix, the initial volumes used for the following sample deviated from the standard procedure: Effluent 041519 (480-152073-1). The reporting limits (RLs) have been adjusted proportionately.

Method(s) SM 2540D: Reanalysis of the following sample was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis: Effluent 041519 (480-152073-1). Since the initial analysis was also performed outside of holding time it was not included in the report.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

**Client Sample ID: Effluent 041519**

**Lab Sample ID: 480-152073-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	612	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

**Client Sample ID: Effluent 041519**

**Lab Sample ID: 480-152073-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

**Client Sample ID: Effluent 041519**

**Lab Sample ID: 480-152073-1**

Date Collected: 04/15/19 07:20

Matrix: Water

Date Received: 04/17/19 19:00

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	612	B	10.0	4.0	mg/L	-		04/22/19 12:37	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND	H	8.5	8.5	mg/L	-		05/30/19 15:51	1

**Client Sample ID: Effluent 041519**

**Lab Sample ID: 480-152073-2**

Date Collected: 04/15/19 07:20

Matrix: Water

Date Received: 04/17/19 19:00

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/24/19 02:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/24/19 02:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/24/19 02:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/24/19 02:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/24/19 02:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/24/19 02:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/24/19 02:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/24/19 02:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/24/19 02:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/24/19 02:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/24/19 02:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/24/19 02:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/24/19 02:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/24/19 02:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/24/19 02:40	1
2-Hexanone	ND		5.0	1.2	ug/L			04/24/19 02:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/24/19 02:40	1
Acetone	ND		10	3.0	ug/L			04/24/19 02:40	1
Benzene	ND		1.0	0.41	ug/L			04/24/19 02:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/24/19 02:40	1
Bromoform	ND		1.0	0.26	ug/L			04/24/19 02:40	1
Bromomethane	ND		1.0	0.69	ug/L			04/24/19 02:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/24/19 02:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/24/19 02:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/24/19 02:40	1
Chloroethane	ND		1.0	0.32	ug/L			04/24/19 02:40	1
Chloroform	ND		1.0	0.34	ug/L			04/24/19 02:40	1
Chloromethane	ND		1.0	0.35	ug/L			04/24/19 02:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/24/19 02:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/24/19 02:40	1
Cyclohexane	ND		1.0	0.18	ug/L			04/24/19 02:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/24/19 02:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/24/19 02:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/24/19 02:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/24/19 02:40	1
Methyl acetate	ND		2.5	1.3	ug/L			04/24/19 02:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/24/19 02:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/24/19 02:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/24/19 02:40	1
Styrene	ND		1.0	0.73	ug/L			04/24/19 02:40	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

**Client Sample ID: Effluent 041519**

**Lab Sample ID: 480-152073-2**

Date Collected: 04/15/19 07:20

Matrix: Water

Date Received: 04/17/19 19:00

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			04/24/19 02:40	1
Toluene	ND		1.0	0.51	ug/L			04/24/19 02:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/24/19 02:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/24/19 02:40	1
Trichloroethene	ND		1.0	0.46	ug/L			04/24/19 02:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/24/19 02:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/24/19 02:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/24/19 02:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					04/24/19 02:40	1
4-Bromofluorobenzene (Surr)	82		73 - 120					04/24/19 02:40	1
Dibromofluoromethane (Surr)	97		75 - 123					04/24/19 02:40	1
Toluene-d8 (Surr)	94		80 - 120					04/24/19 02:40	1

# Surrogate Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-152073-2	Effluent 041519	106	82	97	94
LCS 480-469386/5	Lab Control Sample	100	89	88	98
MB 480-469386/7	Method Blank	106	90	103	99

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 480-469386/7**

**Matrix: Water**

**Analysis Batch: 469386**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/23/19 20:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/23/19 20:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/23/19 20:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/23/19 20:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/23/19 20:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/23/19 20:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/23/19 20:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/23/19 20:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/23/19 20:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/23/19 20:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/23/19 20:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/23/19 20:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/23/19 20:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/23/19 20:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/23/19 20:58	1
2-Hexanone	ND		5.0	1.2	ug/L			04/23/19 20:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/23/19 20:58	1
Acetone	ND		10	3.0	ug/L			04/23/19 20:58	1
Benzene	ND		1.0	0.41	ug/L			04/23/19 20:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/23/19 20:58	1
Bromoform	ND		1.0	0.26	ug/L			04/23/19 20:58	1
Bromomethane	ND		1.0	0.69	ug/L			04/23/19 20:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/23/19 20:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/23/19 20:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/23/19 20:58	1
Chloroethane	ND		1.0	0.32	ug/L			04/23/19 20:58	1
Chloroform	ND		1.0	0.34	ug/L			04/23/19 20:58	1
Chloromethane	ND		1.0	0.35	ug/L			04/23/19 20:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/23/19 20:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/23/19 20:58	1
Cyclohexane	ND		1.0	0.18	ug/L			04/23/19 20:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/23/19 20:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/23/19 20:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/23/19 20:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/23/19 20:58	1
Methyl acetate	ND		2.5	1.3	ug/L			04/23/19 20:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/23/19 20:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/23/19 20:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/23/19 20:58	1
Styrene	ND		1.0	0.73	ug/L			04/23/19 20:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/23/19 20:58	1
Toluene	ND		1.0	0.51	ug/L			04/23/19 20:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/23/19 20:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/23/19 20:58	1
Trichloroethene	ND		1.0	0.46	ug/L			04/23/19 20:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/23/19 20:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/23/19 20:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/23/19 20:58	1

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 480-469386/7**  
**Matrix: Water**  
**Analysis Batch: 469386**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		04/23/19 20:58	1
4-Bromofluorobenzene (Surr)	90		73 - 120		04/23/19 20:58	1
Dibromofluoromethane (Surr)	103		75 - 123		04/23/19 20:58	1
Toluene-d8 (Surr)	99		80 - 120		04/23/19 20:58	1

**Lab Sample ID: LCS 480-469386/5**  
**Matrix: Water**  
**Analysis Batch: 469386**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	23.4		ug/L		93	73 - 126
1,1,1,2-Tetrachloroethane	25.0	25.8		ug/L		103	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.0		ug/L		104	61 - 148
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	24.0		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	22.4		ug/L		90	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.3		ug/L		93	56 - 134
1,2-Dibromoethane	25.0	23.8		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	27.5		ug/L		110	76 - 120
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	117		ug/L		93	57 - 140
2-Hexanone	125	130		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	121		ug/L		97	71 - 125
Acetone	125	124		ug/L		99	56 - 142
Benzene	25.0	25.1		ug/L		100	71 - 124
Bromodichloromethane	25.0	24.9		ug/L		100	80 - 122
Bromoform	25.0	22.0		ug/L		88	61 - 132
Bromomethane	25.0	21.4		ug/L		85	55 - 144
Carbon disulfide	25.0	23.7		ug/L		95	59 - 134
Carbon tetrachloride	25.0	24.7		ug/L		99	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	22.1		ug/L		88	73 - 127
Chloromethane	25.0	22.7		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		88	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	27.5		ug/L		110	59 - 135
Dibromochloromethane	25.0	24.9		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	23.6		ug/L		95	59 - 135
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Isopropylbenzene	25.0	26.2		ug/L		105	77 - 122
Methyl acetate	50.0	45.6		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	22.3		ug/L		89	77 - 120
Methylcyclohexane	25.0	26.1		ug/L		104	68 - 134

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 480-469386/5**  
**Matrix: Water**  
**Analysis Batch: 469386**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	23.7		ug/L		95	75 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	22.2		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	80 - 120
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	24.6		ug/L		98	62 - 150
Vinyl chloride	25.0	23.5		ug/L		94	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	89		73 - 120
Dibromofluoromethane (Surr)	88		75 - 123
Toluene-d8 (Surr)	98		80 - 120

## Method: SM 2540D - Solids, Total Suspended (TSS)

**Lab Sample ID: MB 480-475418/1**  
**Matrix: Water**  
**Analysis Batch: 475418**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/30/19 15:51	1

**Lab Sample ID: LCS 480-475418/2**  
**Matrix: Water**  
**Analysis Batch: 475418**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	279	271.2		mg/L		97	88 - 110

## Method: SM2540 C - Total Dissolved Solids

**Lab Sample ID: MB 480-469113/1**  
**Matrix: Water**  
**Analysis Batch: 469113**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/22/19 12:37	1

**Lab Sample ID: LCS 480-469113/2**  
**Matrix: Water**  
**Analysis Batch: 469113**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	471.0		mg/L		94	85 - 115

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

## Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: 480-152073-1 DU  
 Matrix: Water  
 Analysis Batch: 469113

Client Sample ID: Effluent 041519  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	612	B	612.0		mg/L		0	10

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

## GC/MS VOA

### Analysis Batch: 469386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152073-2	Effluent 041519	Total/NA	Water	8260C	
MB 480-469386/7	Method Blank	Total/NA	Water	8260C	
LCS 480-469386/5	Lab Control Sample	Total/NA	Water	8260C	

## General Chemistry

### Analysis Batch: 469113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152073-1	Effluent 041519	Total/NA	Water	SM2540 C	
MB 480-469113/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-469113/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-152073-1 DU	Effluent 041519	Total/NA	Water	SM2540 C	

### Analysis Batch: 475418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152073-1	Effluent 041519	Total/NA	Water	SM 2540D	
MB 480-475418/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-475418/2	Lab Control Sample	Total/NA	Water	SM 2540D	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

**Client Sample ID: Effluent 041519**

**Lab Sample ID: 480-152073-1**

**Date Collected: 04/15/19 07:20**

**Matrix: Water**

**Date Received: 04/17/19 19:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	475418	05/30/19 15:51	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	469113	04/22/19 12:37	RAF	TAL BUF

**Client Sample ID: Effluent 041519**

**Lab Sample ID: 480-152073-2**

**Date Collected: 04/15/19 07:20**

**Matrix: Water**

**Date Received: 04/17/19 19:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	469386	04/24/19 02:40	AMM	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

#### Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152073-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-152073-1	Effluent 041519	Water	04/15/19 07:20	04/17/19 19:00	
480-152073-2	Effluent 041519	Water	04/15/19 07:20	04/17/19 19:00	

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# Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-152073-1

**Login Number: 152073**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Velickovic, Zoran**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-152394-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*





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# Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

## Qualifiers

### General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
⌘	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

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**Job ID: 480-152394-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

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**Job Narrative**  
**480-152394-1**

## Receipt

The sample was received on 4/24/2019 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

**Client Sample ID: Effluent 042319**

**Lab Sample ID: 480-152394-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	646	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

**Client Sample ID: Effluent 042319**

**Lab Sample ID: 480-152394-1**

Date Collected: 04/23/19 07:10

Matrix: Water

Date Received: 04/24/19 01:00

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>646</b>	<b>B</b>	10.0	4.0	mg/L	--		04/29/19 17:06	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		04/29/19 12:41	1

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# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-470282/1  
 Matrix: Water  
 Analysis Batch: 470282

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/29/19 12:41	1

Lab Sample ID: LCS 480-470282/2  
 Matrix: Water  
 Analysis Batch: 470282

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	262	259.2		mg/L		99	88 - 110

Lab Sample ID: 480-152394-1 DU  
 Matrix: Water  
 Analysis Batch: 470282

Client Sample ID: Effluent 042319  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	ND		ND		mg/L		NC	10

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-470333/1  
 Matrix: Water  
 Analysis Batch: 470333

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.00	J	10.0	4.0	mg/L			04/29/19 17:06	1

Lab Sample ID: LCS 480-470333/2  
 Matrix: Water  
 Analysis Batch: 470333

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	469.0		mg/L		94	85 - 115

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

## General Chemistry

### Analysis Batch: 470282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152394-1	Effluent 042319	Total/NA	Water	SM 2540D	
MB 480-470282/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-470282/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-152394-1 DU	Effluent 042319	Total/NA	Water	SM 2540D	

### Analysis Batch: 470333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152394-1	Effluent 042319	Total/NA	Water	SM2540 C	
MB 480-470333/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-470333/2	Lab Control Sample	Total/NA	Water	SM2540 C	

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# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

**Client Sample ID: Effluent 042319**

**Lab Sample ID: 480-152394-1**

**Date Collected: 04/23/19 07:10**

**Matrix: Water**

**Date Received: 04/24/19 01:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	470282	04/29/19 12:41	RAF	TAL BUF
Total/NA	Analysis	SM2540 C		1	470333	04/29/19 17:06	RAF	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152394-1


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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-152394-1	Effluent 042319	Water	04/23/19 07:10	04/24/19 01:00

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Chain of Custody Record

<b>Client Information</b> Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Sampler: <i>Marta Kowacka</i> Lab PM: Deyo, Melissa L. Phone: <i>315-789-1300</i> E-Mail: melissa.deyo@testamericainc.com		COC No: 480-122366-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11900114 WO #:		Garnet Tracking No(s): Analysis Requested Barcode:  480-152394 Chain of Custody		Preservation Codes: M - Hexane N - None O - As/AsO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - Other (specify)	
Sample Identification Effluent <i>042319</i>		Matrix (W=water, S=solid, O=wastefl, B1=Tissue, A=Air) Water		Special Instructions/Note: Total Number of Containers: <i>2</i>	
Sample Date: <i>4-23-19</i> Sample Time: <i>7:10</i> Sample Type (C=Comp, G=grab): <i>C</i> Preservation Code:		Field Filtered Sample (Yes or No): <i>N</i> Perform MS/MSD (Yes or No): <i>N</i> 2540C - Calcd - Total Dissolved Solids: <i>1</i> 2540D - Total Suspended Solids: <i>1</i>		Special Instructions/Note: Total Number of Containers: <i>2</i>	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by: <i>Marta Kowacka</i> Date: <i>4-23-19</i> Time: <i>9:55</i> Relinquished by: <i>RE-19-111</i> Date: <i>4-23-19</i> Time: <i>19:10</i>		Method of Shipment:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <i>2.8 #</i>		Received by: <i>Marta Kowacka</i> Date/Time: <i>4-23-19</i> Company: <i>Company</i> Retained by: <i>Marta Kowacka</i> Date/Time: <i>04/23/19</i> Time: <i>0100</i> Company: <i>Company</i> Received by: _____ Date/Time: _____ Company: _____	



## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-152394-1

**Login Number: 152394**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Velickovic, Zoran**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-152725-1

Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
5/20/2019 2:38:49 PM

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I  
(716)504-9874  
[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

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*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

## Qualifiers

### General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

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**Job ID: 480-152725-1**

---

**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

---

**Job Narrative**  
**480-152725-1**

## Receipt

The sample was received on 4/30/2019 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

**Client Sample ID: Effluent 042919**

**Lab Sample ID: 480-152725-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	640	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

**Client Sample ID: Effluent 042919**

**Lab Sample ID: 480-152725-1**

Date Collected: 04/29/19 07:10

Matrix: Water

Date Received: 04/30/19 01:00

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	640	B	10.0	4.0	mg/L			05/06/19 08:10	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			05/03/19 21:56	1

- 1
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## QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

### Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-471187/1  
 Matrix: Water  
 Analysis Batch: 471187

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/03/19 21:56	1

Lab Sample ID: LCS 480-471187/2  
 Matrix: Water  
 Analysis Batch: 471187

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	240	237.2		mg/L		99	88 - 110

### Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-471327/1  
 Matrix: Water  
 Analysis Batch: 471327

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	8.00	J	10.0	4.0	mg/L			05/06/19 08:10	1

Lab Sample ID: LCS 480-471327/2  
 Matrix: Water  
 Analysis Batch: 471327

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	506.0		mg/L		101	85 - 115

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

## General Chemistry

### Analysis Batch: 471187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152725-1	Effluent 042919	Total/NA	Water	SM 2540D	
MB 480-471187/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-471187/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Analysis Batch: 471327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152725-1	Effluent 042919	Total/NA	Water	SM2540 C	
MB 480-471327/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-471327/2	Lab Control Sample	Total/NA	Water	SM2540 C	



# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

**Client Sample ID: Effluent 042919**

**Lab Sample ID: 480-152725-1**

**Date Collected: 04/29/19 07:10**

**Matrix: Water**

**Date Received: 04/30/19 01:00**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	SM 2540D		1	471187	05/03/19 21:56	SMH	TAL BUF
Total/NA	Analysis	SM2540 C		1	471327	05/06/19 08:10	CSS	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152725-1


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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-152725-1	Effluent 042919	Water	04/29/19 07:10	04/30/19 01:00

---

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

**Chain of Custody Record**

<b>Client Information</b> Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State/Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-754(Fax) Email: Yun Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Sample: <i>MAKING KOENIG</i> Lab PM: Deyo, Melissa L. E-Mail: melissa.deyo@testamericainc.com Phone: 315-799-1300 COC No: 480-122366-10596.1 Page: Page 1 of 1 Job #:	
<b>Due Date Requested:</b> TAT Requested (days): PO #: 11900114 WO #: Project #: 48008584 SSCA#:		<b>Analysis Requested</b>  480-152725 Chain of Custody Preservation Codes: M - Hexane N - NCP O - Acetic Acid P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify) Other:	
<b>Sample Identification</b> Effluent <i>042919</i> Sample Date: <i>4-29-19</i> Sample Time: <i>7:10</i> Sample Type (C=Comp, G=grab): <i>C</i> Matrix (Inorganic, Organic, Other): <i>Water</i> Preservation Code:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids Total Number of Containers: <i>2</i> Special Instructions/Note:	
<b>Possible Hazard Identification</b> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I, II, III, IV, Other (specify)			
<b>Empty Kit Relinquished by:</b> Relinquished by: <i>MAKING KOENIG</i> Relinquished by: <i>RETIRED</i> Relinquished by:			
Date/Time: <i>4-29-19 19:55</i> Date/Time: <i>4-29-19 19:00</i> Date/Time:		Received by: <i>MAKING KOENIG</i> Received by: <i>MAKING KOENIG</i> Received by:	
Company: <i>OBG</i> Company: <i>OBG</i> Company:		Date/Time: <i>4-29-19</i> Date/Time: <i>4-29-19</i> Date/Time:	
Custody Seals Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No. <i>4.5 A</i>	



## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-152725-1

**Login Number: 152725**

**List Number: 1**

**Creator: Velickovic, Zoran**

**List Source: Eurofins TestAmerica, Buffalo**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-152812-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
5/13/2019 6:12:12 PM  
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### LINKS

Review your project  
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Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*





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# Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

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## Job ID: 480-152812-1

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Laboratory: Eurofins TestAmerica, Buffalo

### Narrative

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#### Job Narrative 480-152812-1

#### Receipt

The samples were received on 5/2/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

#### GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-472168 recovered above the upper control limit for Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW 24 050119 (480-152812-3) and MW 18 050119 (480-152812-4).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-472168 recovered outside control limits for the following analytes: Bromoform and Chlorodibromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW 24 050119 (480-152812-3) and MW 18 050119 (480-152812-4).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW 24 050119 (480-152812-3) and MW 18 050119 (480-152812-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW 11 050119 (480-152812-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW 10 050119 (480-152812-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Client Sample ID: MW 11 050119

## Lab Sample ID: 480-152812-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	310		8.0	3.7	ug/L	8		8260C	Total/NA

## Client Sample ID: MW 10 050119

## Lab Sample ID: 480-152812-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	140		2.0	0.92	ug/L	2		8260C	Total/NA

## Client Sample ID: MW 24 050119

## Lab Sample ID: 480-152812-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.2		5.0	4.1	ug/L	5		8260C	Total/NA
Methylene Chloride	3.1	J	5.0	2.2	ug/L	5		8260C	Total/NA
Trichloroethene	140		5.0	2.3	ug/L	5		8260C	Total/NA

## Client Sample ID: MW 18 050119

## Lab Sample ID: 480-152812-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	290		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	960		20	9.2	ug/L	20		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

**Client Sample ID: MW 11 050119**

**Lab Sample ID: 480-152812-1**

**Date Collected: 05/01/19 11:00**

**Matrix: Water**

**Date Received: 05/02/19 01:00**

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			05/10/19 03:52	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			05/10/19 03:52	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			05/10/19 03:52	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			05/10/19 03:52	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			05/10/19 03:52	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			05/10/19 03:52	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			05/10/19 03:52	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			05/10/19 03:52	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			05/10/19 03:52	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			05/10/19 03:52	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			05/10/19 03:52	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			05/10/19 03:52	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			05/10/19 03:52	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			05/10/19 03:52	8
2-Butanone (MEK)	ND		80	11	ug/L			05/10/19 03:52	8
2-Hexanone	ND		40	9.9	ug/L			05/10/19 03:52	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			05/10/19 03:52	8
Acetone	ND		80	24	ug/L			05/10/19 03:52	8
Benzene	ND		8.0	3.3	ug/L			05/10/19 03:52	8
Bromodichloromethane	ND		8.0	3.1	ug/L			05/10/19 03:52	8
Bromoform	ND		8.0	2.1	ug/L			05/10/19 03:52	8
Bromomethane	ND		8.0	5.5	ug/L			05/10/19 03:52	8
Carbon disulfide	ND		8.0	1.5	ug/L			05/10/19 03:52	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			05/10/19 03:52	8
Chlorobenzene	ND		8.0	6.0	ug/L			05/10/19 03:52	8
Chloroethane	ND		8.0	2.6	ug/L			05/10/19 03:52	8
Chloroform	ND		8.0	2.7	ug/L			05/10/19 03:52	8
Chloromethane	ND		8.0	2.8	ug/L			05/10/19 03:52	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			05/10/19 03:52	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			05/10/19 03:52	8
Cyclohexane	ND		8.0	1.4	ug/L			05/10/19 03:52	8
Dibromochloromethane	ND		8.0	2.6	ug/L			05/10/19 03:52	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			05/10/19 03:52	8
Ethylbenzene	ND		8.0	5.9	ug/L			05/10/19 03:52	8
Isopropylbenzene	ND		8.0	6.3	ug/L			05/10/19 03:52	8
Methyl acetate	ND		20	10	ug/L			05/10/19 03:52	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			05/10/19 03:52	8
Methylcyclohexane	ND		8.0	1.3	ug/L			05/10/19 03:52	8
Methylene Chloride	ND		8.0	3.5	ug/L			05/10/19 03:52	8
Styrene	ND		8.0	5.8	ug/L			05/10/19 03:52	8
Tetrachloroethene	ND		8.0	2.9	ug/L			05/10/19 03:52	8
Toluene	ND		8.0	4.1	ug/L			05/10/19 03:52	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			05/10/19 03:52	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			05/10/19 03:52	8
<b>Trichloroethene</b>	<b>310</b>		8.0	3.7	ug/L			05/10/19 03:52	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			05/10/19 03:52	8
Vinyl chloride	ND		8.0	7.2	ug/L			05/10/19 03:52	8
Xylenes, Total	ND		16	5.3	ug/L			05/10/19 03:52	8

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

**Client Sample ID: MW 11 050119**

**Lab Sample ID: 480-152812-1**

**Date Collected: 05/01/19 11:00**

**Matrix: Water**

**Date Received: 05/02/19 01:00**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		05/10/19 03:52	8
4-Bromofluorobenzene (Surr)	101		73 - 120		05/10/19 03:52	8
Dibromofluoromethane (Surr)	104		75 - 123		05/10/19 03:52	8
Toluene-d8 (Surr)	94		80 - 120		05/10/19 03:52	8

**Client Sample ID: MW 10 050119**

**Lab Sample ID: 480-152812-2**

**Date Collected: 05/01/19 13:00**

**Matrix: Water**

**Date Received: 05/02/19 01:00**

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			05/09/19 23:38	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			05/09/19 23:38	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			05/09/19 23:38	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			05/09/19 23:38	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			05/09/19 23:38	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			05/09/19 23:38	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			05/09/19 23:38	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			05/09/19 23:38	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			05/09/19 23:38	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 23:38	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			05/09/19 23:38	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			05/09/19 23:38	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 23:38	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			05/09/19 23:38	2
2-Butanone (MEK)	ND		20	2.6	ug/L			05/09/19 23:38	2
2-Hexanone	ND		10	2.5	ug/L			05/09/19 23:38	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			05/09/19 23:38	2
Acetone	ND		20	6.0	ug/L			05/09/19 23:38	2
Benzene	ND		2.0	0.82	ug/L			05/09/19 23:38	2
Bromodichloromethane	ND		2.0	0.78	ug/L			05/09/19 23:38	2
Bromoform	ND		2.0	0.52	ug/L			05/09/19 23:38	2
Bromomethane	ND		2.0	1.4	ug/L			05/09/19 23:38	2
Carbon disulfide	ND		2.0	0.38	ug/L			05/09/19 23:38	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			05/09/19 23:38	2
Chlorobenzene	ND		2.0	1.5	ug/L			05/09/19 23:38	2
Chloroethane	ND		2.0	0.64	ug/L			05/09/19 23:38	2
Chloroform	ND		2.0	0.68	ug/L			05/09/19 23:38	2
Chloromethane	ND		2.0	0.70	ug/L			05/09/19 23:38	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			05/09/19 23:38	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			05/09/19 23:38	2
Cyclohexane	ND		2.0	0.36	ug/L			05/09/19 23:38	2
Dibromochloromethane	ND		2.0	0.64	ug/L			05/09/19 23:38	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			05/09/19 23:38	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/09/19 23:38	2
Isopropylbenzene	ND		2.0	1.6	ug/L			05/09/19 23:38	2
Methyl acetate	ND		5.0	2.6	ug/L			05/09/19 23:38	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			05/09/19 23:38	2
Methylcyclohexane	ND		2.0	0.32	ug/L			05/09/19 23:38	2
Methylene Chloride	ND		2.0	0.88	ug/L			05/09/19 23:38	2

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

**Client Sample ID: MW 10 050119**

**Lab Sample ID: 480-152812-2**

**Date Collected: 05/01/19 13:00**

**Matrix: Water**

**Date Received: 05/02/19 01:00**

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	1.5	ug/L			05/09/19 23:38	2
Tetrachloroethene	ND		2.0	0.72	ug/L			05/09/19 23:38	2
Toluene	ND		2.0	1.0	ug/L			05/09/19 23:38	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			05/09/19 23:38	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			05/09/19 23:38	2
<b>Trichloroethene</b>	<b>140</b>		2.0	0.92	ug/L			05/09/19 23:38	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			05/09/19 23:38	2
Vinyl chloride	ND		2.0	1.8	ug/L			05/09/19 23:38	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/09/19 23:38	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120					05/09/19 23:38	2
4-Bromofluorobenzene (Surr)	88		73 - 120					05/09/19 23:38	2
Dibromofluoromethane (Surr)	89		75 - 123					05/09/19 23:38	2
Toluene-d8 (Surr)	94		80 - 120					05/09/19 23:38	2

**Client Sample ID: MW 24 050119**

**Lab Sample ID: 480-152812-3**

**Date Collected: 05/01/19 12:45**

**Matrix: Water**

**Date Received: 05/02/19 01:00**

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			05/10/19 00:43	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			05/10/19 00:43	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			05/10/19 00:43	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			05/10/19 00:43	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			05/10/19 00:43	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			05/10/19 00:43	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			05/10/19 00:43	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			05/10/19 00:43	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			05/10/19 00:43	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			05/10/19 00:43	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			05/10/19 00:43	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			05/10/19 00:43	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			05/10/19 00:43	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			05/10/19 00:43	5
2-Butanone (MEK)	ND		50	6.6	ug/L			05/10/19 00:43	5
2-Hexanone	ND		25	6.2	ug/L			05/10/19 00:43	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			05/10/19 00:43	5
Acetone	ND		50	15	ug/L			05/10/19 00:43	5
Benzene	ND		5.0	2.1	ug/L			05/10/19 00:43	5
Bromodichloromethane	ND		5.0	2.0	ug/L			05/10/19 00:43	5
Bromoform	ND *		5.0	1.3	ug/L			05/10/19 00:43	5
Bromomethane	ND		5.0	3.5	ug/L			05/10/19 00:43	5
Carbon disulfide	ND		5.0	0.95	ug/L			05/10/19 00:43	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			05/10/19 00:43	5
Chlorobenzene	ND		5.0	3.8	ug/L			05/10/19 00:43	5
Chloroethane	ND		5.0	1.6	ug/L			05/10/19 00:43	5
Chloroform	ND		5.0	1.7	ug/L			05/10/19 00:43	5
Chloromethane	ND		5.0	1.8	ug/L			05/10/19 00:43	5

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

**Client Sample ID: MW 24 050119**

**Lab Sample ID: 480-152812-3**

Date Collected: 05/01/19 12:45

Matrix: Water

Date Received: 05/02/19 01:00

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>cis-1,2-Dichloroethene</b>	<b>6.2</b>		5.0	4.1	ug/L			05/10/19 00:43	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			05/10/19 00:43	5
Cyclohexane	ND		5.0	0.90	ug/L			05/10/19 00:43	5
Dibromochloromethane	ND *		5.0	1.6	ug/L			05/10/19 00:43	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			05/10/19 00:43	5
Ethylbenzene	ND		5.0	3.7	ug/L			05/10/19 00:43	5
Isopropylbenzene	ND		5.0	4.0	ug/L			05/10/19 00:43	5
Methyl acetate	ND		13	6.5	ug/L			05/10/19 00:43	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			05/10/19 00:43	5
Methylcyclohexane	ND		5.0	0.80	ug/L			05/10/19 00:43	5
<b>Methylene Chloride</b>	<b>3.1 J</b>		5.0	2.2	ug/L			05/10/19 00:43	5
Styrene	ND		5.0	3.7	ug/L			05/10/19 00:43	5
Tetrachloroethene	ND		5.0	1.8	ug/L			05/10/19 00:43	5
Toluene	ND		5.0	2.6	ug/L			05/10/19 00:43	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			05/10/19 00:43	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			05/10/19 00:43	5
<b>Trichloroethene</b>	<b>140</b>		5.0	2.3	ug/L			05/10/19 00:43	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			05/10/19 00:43	5
Vinyl chloride	ND		5.0	4.5	ug/L			05/10/19 00:43	5
Xylenes, Total	ND		10	3.3	ug/L			05/10/19 00:43	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		05/10/19 00:43	5
4-Bromofluorobenzene (Surr)	112		73 - 120		05/10/19 00:43	5
Dibromofluoromethane (Surr)	103		75 - 123		05/10/19 00:43	5
Toluene-d8 (Surr)	107		80 - 120		05/10/19 00:43	5

**Client Sample ID: MW 18 050119**

**Lab Sample ID: 480-152812-4**

Date Collected: 05/01/19 13:00

Matrix: Water

Date Received: 05/02/19 01:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			05/10/19 01:07	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			05/10/19 01:07	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			05/10/19 01:07	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			05/10/19 01:07	20
1,1-Dichloroethane	ND		20	7.6	ug/L			05/10/19 01:07	20
1,1-Dichloroethene	ND		20	5.8	ug/L			05/10/19 01:07	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			05/10/19 01:07	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			05/10/19 01:07	20
1,2-Dibromoethane	ND		20	15	ug/L			05/10/19 01:07	20
1,2-Dichlorobenzene	ND		20	16	ug/L			05/10/19 01:07	20
1,2-Dichloroethane	ND		20	4.2	ug/L			05/10/19 01:07	20
1,2-Dichloropropane	ND		20	14	ug/L			05/10/19 01:07	20
1,3-Dichlorobenzene	ND		20	16	ug/L			05/10/19 01:07	20
1,4-Dichlorobenzene	ND		20	17	ug/L			05/10/19 01:07	20
2-Butanone (MEK)	ND		200	26	ug/L			05/10/19 01:07	20
2-Hexanone	ND		100	25	ug/L			05/10/19 01:07	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			05/10/19 01:07	20

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

**Client Sample ID: MW 18 050119**

**Lab Sample ID: 480-152812-4**

**Date Collected: 05/01/19 13:00**

**Matrix: Water**

**Date Received: 05/02/19 01:00**

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		200	60	ug/L			05/10/19 01:07	20
Benzene	ND		20	8.2	ug/L			05/10/19 01:07	20
Bromodichloromethane	ND		20	7.8	ug/L			05/10/19 01:07	20
Bromoform	ND	*	20	5.2	ug/L			05/10/19 01:07	20
Bromomethane	ND		20	14	ug/L			05/10/19 01:07	20
Carbon disulfide	ND		20	3.8	ug/L			05/10/19 01:07	20
Carbon tetrachloride	ND		20	5.4	ug/L			05/10/19 01:07	20
Chlorobenzene	ND		20	15	ug/L			05/10/19 01:07	20
Chloroethane	ND		20	6.4	ug/L			05/10/19 01:07	20
Chloroform	ND		20	6.8	ug/L			05/10/19 01:07	20
Chloromethane	ND		20	7.0	ug/L			05/10/19 01:07	20
<b>cis-1,2-Dichloroethene</b>	<b>290</b>		20	16	ug/L			05/10/19 01:07	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			05/10/19 01:07	20
Cyclohexane	ND		20	3.6	ug/L			05/10/19 01:07	20
Dibromochloromethane	ND	*	20	6.4	ug/L			05/10/19 01:07	20
Dichlorodifluoromethane	ND		20	14	ug/L			05/10/19 01:07	20
Ethylbenzene	ND		20	15	ug/L			05/10/19 01:07	20
Isopropylbenzene	ND		20	16	ug/L			05/10/19 01:07	20
Methyl acetate	ND		50	26	ug/L			05/10/19 01:07	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			05/10/19 01:07	20
Methylcyclohexane	ND		20	3.2	ug/L			05/10/19 01:07	20
Methylene Chloride	ND		20	8.8	ug/L			05/10/19 01:07	20
Styrene	ND		20	15	ug/L			05/10/19 01:07	20
Tetrachloroethene	ND		20	7.2	ug/L			05/10/19 01:07	20
Toluene	ND		20	10	ug/L			05/10/19 01:07	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			05/10/19 01:07	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			05/10/19 01:07	20
<b>Trichloroethene</b>	<b>960</b>		20	9.2	ug/L			05/10/19 01:07	20
Trichlorofluoromethane	ND		20	18	ug/L			05/10/19 01:07	20
Vinyl chloride	ND		20	18	ug/L			05/10/19 01:07	20
Xylenes, Total	ND		40	13	ug/L			05/10/19 01:07	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		05/10/19 01:07	20
4-Bromofluorobenzene (Surr)	116		73 - 120		05/10/19 01:07	20
Dibromofluoromethane (Surr)	106		75 - 123		05/10/19 01:07	20
Toluene-d8 (Surr)	103		80 - 120		05/10/19 01:07	20



# Surrogate Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

**Method: 8260C - Volatile Organic Compounds by GC/MS**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(77-120)	(73-120)	(75-123)	(80-120)
480-152812-1	MW 11 050119	101	101	104	94
480-152812-2	MW 10 050119	97	88	89	94
480-152812-3	MW 24 050119	106	112	103	107
480-152812-4	MW 18 050119	105	116	106	103
LCS 480-472092/5	Lab Control Sample	97	105	104	100
LCS 480-472158/5	Lab Control Sample	94	95	89	102
LCS 480-472168/5	Lab Control Sample	111	111	111	104
MB 480-472092/7	Method Blank	102	103	104	95
MB 480-472158/7	Method Blank	99	89	93	97
MB 480-472168/9	Method Blank	113	108	108	100

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 480-472092/7**

**Matrix: Water**

**Analysis Batch: 472092**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/19 22:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 22:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 22:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 22:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 22:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 22:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 22:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 22:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 22:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 22:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 22:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 22:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 22:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 22:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 22:18	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 22:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 22:18	1
Acetone	ND		10	3.0	ug/L			05/09/19 22:18	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 22:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 22:18	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 22:18	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 22:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 22:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 22:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 22:18	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 22:18	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 22:18	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 22:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 22:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 22:18	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 22:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 22:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 22:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 22:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 22:18	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 22:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 22:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 22:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 22:18	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 22:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 22:18	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 22:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 22:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 22:18	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 22:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 22:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 22:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 22:18	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 480-472092/7**  
**Matrix: Water**  
**Analysis Batch: 472092**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/09/19 22:18	1
4-Bromofluorobenzene (Surr)	103		73 - 120		05/09/19 22:18	1
Dibromofluoromethane (Surr)	104		75 - 123		05/09/19 22:18	1
Toluene-d8 (Surr)	95		80 - 120		05/09/19 22:18	1

**Lab Sample ID: LCS 480-472092/5**  
**Matrix: Water**  
**Analysis Batch: 472092**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	26.5		ug/L		106	73 - 126
1,1,1,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.7		ug/L		107	61 - 148
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	24.5		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.6		ug/L		98	56 - 134
1,2-Dibromoethane	25.0	25.5		ug/L		102	77 - 120
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 120
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
2-Hexanone	125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		93	71 - 125
Acetone	125	127		ug/L		102	56 - 142
Benzene	25.0	24.4		ug/L		97	71 - 124
Bromodichloromethane	25.0	25.6		ug/L		102	80 - 122
Bromoform	25.0	27.6		ug/L		110	61 - 132
Bromomethane	25.0	26.6		ug/L		106	55 - 144
Carbon disulfide	25.0	25.5		ug/L		102	59 - 134
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	25.0	25.4		ug/L		102	80 - 120
Chloroethane	25.0	27.5		ug/L		110	69 - 136
Chloroform	25.0	24.1		ug/L		97	73 - 127
Chloromethane	25.0	26.6		ug/L		107	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	24.6		ug/L		98	74 - 124
Cyclohexane	25.0	26.2		ug/L		105	59 - 135
Dibromochloromethane	25.0	26.6		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	25.1		ug/L		101	59 - 135
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	50.0		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	23.8		ug/L		95	77 - 120
Methylcyclohexane	25.0	27.8		ug/L		111	68 - 134

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 480-472092/5**

**Matrix: Water**

**Analysis Batch: 472092**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	25.9		ug/L		104	75 - 124
Styrene	25.0	26.2		ug/L		105	80 - 120
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	24.1		ug/L		96	80 - 120
Trichloroethene	25.0	24.8		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	27.9		ug/L		112	62 - 150
Vinyl chloride	25.0	26.2		ug/L		105	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123
Toluene-d8 (Surr)	100		80 - 120

**Lab Sample ID: MB 480-472158/7**

**Matrix: Water**

**Analysis Batch: 472158**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/19 21:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 21:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 21:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 21:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 21:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 21:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 21:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 21:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 21:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 21:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 21:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 21:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 21:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 21:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 21:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 21:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 21:25	1
Acetone	ND		10	3.0	ug/L			05/09/19 21:25	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 21:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 21:25	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 21:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 21:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 21:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 21:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 21:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 21:25	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 21:25	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 480-472158/7**

**Matrix: Water**

**Analysis Batch: 472158**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 21:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 21:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 21:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 21:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 21:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 21:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 21:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 21:25	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 21:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 21:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 21:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 21:25	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 21:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 21:25	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 21:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 21:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 21:25	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 21:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 21:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 21:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 21:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		05/09/19 21:25	1
4-Bromofluorobenzene (Surr)	89		73 - 120		05/09/19 21:25	1
Dibromofluoromethane (Surr)	93		75 - 123		05/09/19 21:25	1
Toluene-d8 (Surr)	97		80 - 120		05/09/19 21:25	1

**Lab Sample ID: LCS 480-472158/5**

**Matrix: Water**

**Analysis Batch: 472158**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.5		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.1		ug/L		100	61 - 148
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	22.5		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	21.6		ug/L		86	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.7		ug/L		91	56 - 134
1,2-Dibromoethane	25.0	23.9		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	21.9		ug/L		88	80 - 124
1,2-Dichloroethane	25.0	20.3		ug/L		81	75 - 120
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 480-472158/5**

**Matrix: Water**

**Analysis Batch: 472158**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	125	139		ug/L		111	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	24.4		ug/L		97	71 - 124
Bromodichloromethane	25.0	23.9		ug/L		96	80 - 122
Bromoform	25.0	25.3		ug/L		101	61 - 132
Bromomethane	25.0	22.9		ug/L		92	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	22.8		ug/L		91	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Chloroethane	25.0	23.9		ug/L		96	69 - 136
Chloroform	25.0	21.1		ug/L		84	73 - 127
Chloromethane	25.0	24.5		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	21.0		ug/L		84	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	25.5		ug/L		102	59 - 135
Dibromochloromethane	25.0	25.1		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	26.1		ug/L		104	59 - 135
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
Methyl acetate	50.0	42.7		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	19.8		ug/L		79	77 - 120
Methylcyclohexane	25.0	24.8		ug/L		99	68 - 134
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
Styrene	25.0	23.8		ug/L		95	80 - 120
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	21.9		ug/L		88	73 - 127
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	80 - 120
Trichloroethene	25.0	23.3		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	24.3		ug/L		97	62 - 150
Vinyl chloride	25.0	26.0		ug/L		104	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	94		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Dibromofluoromethane (Surr)	89		75 - 123
Toluene-d8 (Surr)	102		80 - 120

**Lab Sample ID: MB 480-472168/9**

**Matrix: Water**

**Analysis Batch: 472168**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/19 23:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 23:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 23:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 23:42	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 480-472168/9**

**Matrix: Water**

**Analysis Batch: 472168**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 23:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 23:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 23:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 23:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 23:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 23:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 23:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 23:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 23:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 23:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 23:42	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 23:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 23:42	1
Acetone	ND		10	3.0	ug/L			05/09/19 23:42	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 23:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 23:42	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 23:42	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 23:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 23:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 23:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 23:42	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 23:42	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 23:42	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 23:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 23:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 23:42	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 23:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 23:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 23:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 23:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 23:42	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 23:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 23:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 23:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 23:42	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 23:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 23:42	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 23:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 23:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 23:42	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 23:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 23:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 23:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 23:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		05/09/19 23:42	1
4-Bromofluorobenzene (Surr)	108		73 - 120		05/09/19 23:42	1

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 480-472168/9**  
**Matrix: Water**  
**Analysis Batch: 472168**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Dibromofluoromethane (Surr)	108		75 - 123		05/09/19 23:42	1
Toluene-d8 (Surr)	100		80 - 120		05/09/19 23:42	1

**Lab Sample ID: LCS 480-472168/5**  
**Matrix: Water**  
**Analysis Batch: 472168**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	30.4		ug/L		121	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.0		ug/L		108	61 - 148
1,1,2-Trichloroethane	25.0	23.4		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	26.6		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	23.0		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	25.0	25.2		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dibromoethane	25.0	23.4		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	27.7		ug/L		111	75 - 120
1,2-Dichloropropane	25.0	28.8		ug/L		115	76 - 120
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 120
2-Butanone (MEK)	125	127		ug/L		102	57 - 140
2-Hexanone	125	140		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		107	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	25.9		ug/L		104	71 - 124
Bromodichloromethane	25.0	29.4		ug/L		118	80 - 122
Bromoform	25.0	38.5	*	ug/L		154	61 - 132
Bromomethane	25.0	26.1		ug/L		105	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	32.8		ug/L		131	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Chloroethane	25.0	32.0		ug/L		128	69 - 136
Chloroform	25.0	26.6		ug/L		106	73 - 127
Chloromethane	25.0	26.4		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	28.6		ug/L		115	74 - 124
Cyclohexane	25.0	31.2		ug/L		125	59 - 135
Dibromochloromethane	25.0	32.0	*	ug/L		128	75 - 125
Dichlorodifluoromethane	25.0	26.4		ug/L		106	59 - 135
Ethylbenzene	25.0	25.6		ug/L		103	77 - 123
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
Methyl acetate	50.0	45.8		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	23.6		ug/L		94	77 - 120
Methylcyclohexane	25.0	28.3		ug/L		113	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Styrene	25.0	25.9		ug/L		104	80 - 120

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-472168/5

Matrix: Water

Analysis Batch: 472168

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	28.3		ug/L		113	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	25.1		ug/L		100	80 - 120
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	24.1		ug/L		96	62 - 150
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	111		77 - 120
4-Bromofluorobenzene (Surr)	111		73 - 120
Dibromofluoromethane (Surr)	111		75 - 123
Toluene-d8 (Surr)	104		80 - 120

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## GC/MS VOA

### Analysis Batch: 472092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152812-1	MW 11 050119	Total/NA	Water	8260C	
MB 480-472092/7	Method Blank	Total/NA	Water	8260C	
LCS 480-472092/5	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 472158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152812-2	MW 10 050119	Total/NA	Water	8260C	
MB 480-472158/7	Method Blank	Total/NA	Water	8260C	
LCS 480-472158/5	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 472168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152812-3	MW 24 050119	Total/NA	Water	8260C	
480-152812-4	MW 18 050119	Total/NA	Water	8260C	
MB 480-472168/9	Method Blank	Total/NA	Water	8260C	
LCS 480-472168/5	Lab Control Sample	Total/NA	Water	8260C	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

**Client Sample ID: MW 11 050119**

**Date Collected: 05/01/19 11:00**

**Date Received: 05/02/19 01:00**

**Lab Sample ID: 480-152812-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	472092	05/10/19 03:52	OMI	TAL BUF

**Client Sample ID: MW 10 050119**

**Date Collected: 05/01/19 13:00**

**Date Received: 05/02/19 01:00**

**Lab Sample ID: 480-152812-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	472158	05/09/19 23:38	S1V	TAL BUF

**Client Sample ID: MW 24 050119**

**Date Collected: 05/01/19 12:45**

**Date Received: 05/02/19 01:00**

**Lab Sample ID: 480-152812-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	472168	05/10/19 00:43	KMN	TAL BUF

**Client Sample ID: MW 18 050119**

**Date Collected: 05/01/19 13:00**

**Date Received: 05/02/19 01:00**

**Lab Sample ID: 480-152812-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	472168	05/10/19 01:07	KMN	TAL BUF

## Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-152812-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-152812-1	MW 11 050119	Water	05/01/19 11:00	05/02/19 01:00
480-152812-2	MW 10 050119	Water	05/01/19 13:00	05/02/19 01:00
480-152812-3	MW 24 050119	Water	05/01/19 12:45	05/02/19 01:00
480-152812-4	MW 18 050119	Water	05/01/19 13:00	05/02/19 01:00

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**Chain of Custody Record**

<b>Client Information</b> Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project #: 48008584 Site: Former Accurate Die Cast		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Phone: 315-729-1300 Carrier Tracking No(s): Job #:		COC No.: 480-129733-12806.1 Page: Page 1 of 1 Job #:						
<b>Analysis Requested</b>  480-152812 Chain of Custody										
Due Date Requested: TAT Requested (days): PO #: 11900114 WO #:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> A Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> A		Total Number of Containers:						
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, A=air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of Containers	Special Instructions/Note:
MW 11 050119	5-1-19	11:00	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	
MW 10 050119	5-1-19	11:30	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	
MW 24 050119	5-1-19	12:45	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	
MW 18 050119	5-1-19	13:00	G	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3	3	
AT 5-1-19										
<b>Possible Hazard Identification</b> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)						Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Empty Kit Relinquished by:						Special Instructions/QC Requirements:				
Relinquished by: <i>Yuri Veliz</i>		Date: 5-1-19 / 13:55		Company: OBG		Received by: <i>Yuri Veliz</i>		Date/Time: 5-1-19 1355		Company: TASA
Relinquished by: <i>Reig/ub</i>		Date/Time: 5-1-19, 19:11		Company: OBG		Received by: <i>Reig/ub</i>		Date/Time: 05/02/19		Company: OBG
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No						Cooler Temperature(s) °C and Other Remarks: 2.7 # /				



# Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-152812-1

**Login Number: 152812**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Velickovic, Zoran**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-153338-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



*Authorized for release by:  
5/29/2019 3:17:52 PM*

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I  
(716)504-9874  
[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

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**Job ID: 480-153338-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

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**Narrative**

**Job Narrative  
480-153338-1**

**Receipt**

The samples were received on 5/10/2019 5:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

**GC/MS VOA**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**General Chemistry**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

## Client Sample ID: EFFLUENT 050919

Lab Sample ID: 480-153338-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	636	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

## Client Sample ID: BETWEEN CARBONS 050919

Lab Sample ID: 480-153338-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.90	J	1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	1.7		1.0	0.46	ug/L	1		8260C	Total/NA

## Client Sample ID: EFFLUENT 050919

Lab Sample ID: 480-153338-3

No Detections.

## Client Sample ID: Trip Blank

Lab Sample ID: 480-153338-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

**Client Sample ID: EFFLUENT 050919**

**Lab Sample ID: 480-153338-1**

Date Collected: 05/09/19 11:10

Matrix: Water

Date Received: 05/10/19 05:00

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	636	B	10.0	4.0	mg/L			05/16/19 08:43	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			05/16/19 12:00	1

**Client Sample ID: BETWEEN CARBONS 050919**

**Lab Sample ID: 480-153338-2**

Date Collected: 05/09/19 11:10

Matrix: Water

Date Received: 05/10/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/19 02:42	1
cis-1,2-Dichloroethene	0.90	J	1.0	0.81	ug/L			05/18/19 02:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/19 02:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/19 02:42	1
Toluene	ND		1.0	0.51	ug/L			05/18/19 02:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/18/19 02:42	1
Trichloroethene	1.7		1.0	0.46	ug/L			05/18/19 02:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					05/18/19 02:42	1
4-Bromofluorobenzene (Surr)	101		73 - 120					05/18/19 02:42	1
Toluene-d8 (Surr)	97		80 - 120					05/18/19 02:42	1
Dibromofluoromethane (Surr)	98		75 - 123					05/18/19 02:42	1

**Client Sample ID: EFFLUENT 050919**

**Lab Sample ID: 480-153338-3**

Date Collected: 05/09/19 11:10

Matrix: Water

Date Received: 05/10/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/19 03:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/18/19 03:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/19 03:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/19 03:06	1
Toluene	ND		1.0	0.51	ug/L			05/18/19 03:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/18/19 03:06	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/19 03:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					05/18/19 03:06	1
4-Bromofluorobenzene (Surr)	102		73 - 120					05/18/19 03:06	1
Toluene-d8 (Surr)	92		80 - 120					05/18/19 03:06	1
Dibromofluoromethane (Surr)	100		75 - 123					05/18/19 03:06	1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 480-153338-4**

Date Collected: 05/09/19 00:00

Matrix: Water

Date Received: 05/10/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/19 10:57	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 480-153338-4**

Date Collected: 05/09/19 00:00

Matrix: Water

Date Received: 05/10/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/18/19 10:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/19 10:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/19 10:57	1
Toluene	ND		1.0	0.51	ug/L			05/18/19 10:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/18/19 10:57	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/19 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/18/19 10:57	1
4-Bromofluorobenzene (Surr)	95		73 - 120		05/18/19 10:57	1
Toluene-d8 (Surr)	95		80 - 120		05/18/19 10:57	1
Dibromofluoromethane (Surr)	103		75 - 123		05/18/19 10:57	1

# Surrogate Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-153338-2	BETWEEN CARBONS 050919	102	101	97	98
480-153338-3	EFFLUENT 050919	105	102	92	100
480-153338-4	Trip Blank	102	95	95	103
LCS 480-473463/5	Lab Control Sample	104	100	98	101
LCS 480-473527/5	Lab Control Sample	98	92	101	102
MB 480-473463/7	Method Blank	105	96	96	96
MB 480-473527/7	Method Blank	102	96	100	103

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)



# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-473463/7

Matrix: Water

Analysis Batch: 473463

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/19 21:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/17/19 21:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/19 21:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/19 21:29	1
Toluene	ND		1.0	0.51	ug/L			05/17/19 21:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/17/19 21:29	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/19 21:29	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		05/17/19 21:29	1
4-Bromofluorobenzene (Surr)	96		73 - 120		05/17/19 21:29	1
Toluene-d8 (Surr)	96		80 - 120		05/17/19 21:29	1
Dibromofluoromethane (Surr)	96		75 - 123		05/17/19 21:29	1

Lab Sample ID: LCS 480-473463/5

Matrix: Water

Analysis Batch: 473463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	76 - 120
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
Methylene Chloride	25.0	21.0		ug/L		84	75 - 124
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
Trichloroethene	25.0	22.4		ug/L		90	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: MB 480-473527/7

Matrix: Water

Analysis Batch: 473527

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/18/19 10:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/18/19 10:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/18/19 10:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/18/19 10:16	1
Toluene	ND		1.0	0.51	ug/L			05/18/19 10:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/18/19 10:16	1
Trichloroethene	ND		1.0	0.46	ug/L			05/18/19 10:16	1

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-473527/7

Matrix: Water

Analysis Batch: 473527

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		05/18/19 10:16	1
4-Bromofluorobenzene (Surr)	96		73 - 120		05/18/19 10:16	1
Toluene-d8 (Surr)	100		80 - 120		05/18/19 10:16	1
Dibromofluoromethane (Surr)	103		75 - 123		05/18/19 10:16	1

Lab Sample ID: LCS 480-473527/5

Matrix: Water

Analysis Batch: 473527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	27.1		ug/L		108	76 - 120
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
Methylene Chloride	25.0	26.9		ug/L		108	75 - 124
Tetrachloroethene	25.0	22.7		ug/L		91	74 - 122
Toluene	25.0	25.5		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	27.0		ug/L		108	73 - 127
Trichloroethene	25.0	25.8		ug/L		103	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	102		75 - 123

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-473197/1

Matrix: Water

Analysis Batch: 473197

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/16/19 12:00	1

Lab Sample ID: LCS 480-473197/2

Matrix: Water

Analysis Batch: 473197

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	253	246.8		mg/L		97	88 - 110

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-473125/1

Matrix: Water

Analysis Batch: 473125

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	6.00	J	10.0	4.0	mg/L			05/16/19 08:43	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

## Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: LCS 480-473125/2

Matrix: Water

Analysis Batch: 473125

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	456.0		mg/L		91	85 - 115

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# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

## GC/MS VOA

### Analysis Batch: 473463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153338-2	BETWEEN CARBONS 050919	Total/NA	Water	8260C	
480-153338-3	EFFLUENT 050919	Total/NA	Water	8260C	
MB 480-473463/7	Method Blank	Total/NA	Water	8260C	
LCS 480-473463/5	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 473527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153338-4	Trip Blank	Total/NA	Water	8260C	
MB 480-473527/7	Method Blank	Total/NA	Water	8260C	
LCS 480-473527/5	Lab Control Sample	Total/NA	Water	8260C	

## General Chemistry

### Analysis Batch: 473125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153338-1	EFFLUENT 050919	Total/NA	Water	SM2540 C	
MB 480-473125/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-473125/2	Lab Control Sample	Total/NA	Water	SM2540 C	

### Analysis Batch: 473197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153338-1	EFFLUENT 050919	Total/NA	Water	SM 2540D	
MB 480-473197/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-473197/2	Lab Control Sample	Total/NA	Water	SM 2540D	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

**Client Sample ID: EFFLUENT 050919**

**Lab Sample ID: 480-153338-1**

Date Collected: 05/09/19 11:10

Matrix: Water

Date Received: 05/10/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	473197	05/16/19 12:00	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	473125	05/16/19 08:43	CSS	TAL BUF

**Client Sample ID: BETWEEN CARBONS 050919**

**Lab Sample ID: 480-153338-2**

Date Collected: 05/09/19 11:10

Matrix: Water

Date Received: 05/10/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	473463	05/18/19 02:42	AMM	TAL BUF

**Client Sample ID: EFFLUENT 050919**

**Lab Sample ID: 480-153338-3**

Date Collected: 05/09/19 11:10

Matrix: Water

Date Received: 05/10/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	473463	05/18/19 03:06	AMM	TAL BUF

**Client Sample ID: Trip Blank**

**Lab Sample ID: 480-153338-4**

Date Collected: 05/09/19 00:00

Matrix: Water

Date Received: 05/10/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	473527	05/18/19 10:57	AMM	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153338-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-153338-1	EFFLUENT 050919	Water	05/09/19 11:10	05/10/19 05:00	
480-153338-2	BETWEEN CARBONS 050919	Water	05/09/19 11:10	05/10/19 05:00	
480-153338-3	EFFLUENT 050919	Water	05/09/19 11:10	05/10/19 05:00	
480-153338-4	Trip Blank	Water	05/09/19 00:00	05/10/19 05:00	

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**Chain of Custody Record**

**Client Information**


Company: O'Brien & Gere Inc of North America  
 Address: 333 West Washington St. PO BOX 4873  
 City: East Syracuse  
 State, Zip: NY, 13221  
 Phone: 315-956-6100(Tel) 315-463-7554(Fax)  
 Email: Yuri.Veliz@obg.com  
 Project Name: Former Accurate Die Cast  
 Site:

**Client Information**

Sampler: *Matth Koennecke*  
 Lab PM: Devo, Melissa L  
 Phone: 315-989-1300  
 E-Mail: melissa.devo@testamericainc.com

COC No: 480-122339-10588.1  
 Page: Page 1 of 1  
 Job #:

**Analysis Requested**



480-153338 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code: (W=water, S=solid, O=wastebot, AT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C - Total Dissolved Solids	8250C - Volatile Organic Compounds	Special Instructions/Note:	
										Total Number of Containers	
Effluent 050919	5-9-19	11:10	C	Water	X	N	1			2	
Between Carbons 050919	5-9-19	11:10	G	Water			3			3	
<del>Effluent 050919</del>	<del>5-9-19</del>	<del>11:10</del>	<del>G</del>	<del>Water</del>			3			3	

**Syracuse #225**

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological

Deliverable Requested: I, II, III, IV, Other (specify):

Empty Kit Relinquished by:

Relinquished by: *Matth Koennecke* Date: 5-9-19 13:55 Company: *OBG*

Relinquished by: *RETI 19/11/6* Date: 5-9-19 19:01 Company: *Sya*

Relinquished by:

Custody Seal No.:  Yes  No

Cooler Temperature(s) °C and Other Remarks: *A.Y #1*

## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-153338-1

**Login Number: 153338**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Velickovic, Zoran**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-153785-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
6/6/2019 5:06:23 PM

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I  
(716)504-9874  
[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

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**Job ID: 480-153785-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

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**Narrative**

**Job Narrative  
480-153785-1**

**Receipt**

The samples were received on 5/21/2019 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3° C.

**GC/MS VOA**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

**General Chemistry**

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

**Client Sample ID: EFFLUENT 052019**

**Lab Sample ID: 480-153785-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	599		10.0	4.0	mg/L	1		SM2540 C	Total/NA

**Client Sample ID: EFFLUENT 052019**

**Lab Sample ID: 480-153785-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

**Client Sample ID: EFFLUENT 052019**

**Lab Sample ID: 480-153785-1**

Date Collected: 05/20/19 07:15

Matrix: Water

Date Received: 05/21/19 09:30

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>599</b>		10.0	4.0	mg/L			05/24/19 10:23	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			05/24/19 14:35	1

**Client Sample ID: EFFLUENT 052019**

**Lab Sample ID: 480-153785-2**

Date Collected: 05/20/19 07:15

Matrix: Water

Date Received: 05/21/19 09:30

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/28/19 17:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/28/19 17:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/28/19 17:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/28/19 17:32	1
Toluene	ND		1.0	0.51	ug/L			05/28/19 17:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/28/19 17:32	1
Trichloroethene	ND		1.0	0.46	ug/L			05/28/19 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					05/28/19 17:32	1
4-Bromofluorobenzene (Surr)	101		73 - 120					05/28/19 17:32	1
Toluene-d8 (Surr)	103		80 - 120					05/28/19 17:32	1
Dibromofluoromethane (Surr)	102		75 - 123					05/28/19 17:32	1



# Surrogate Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-153785-2	EFFLUENT 052019	105	101	103	102
LCS 480-474842/6	Lab Control Sample	100	103	102	102
MB 480-474842/8	Method Blank	103	100	101	104

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 480-474842/8**  
**Matrix: Water**  
**Analysis Batch: 474842**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/28/19 11:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/28/19 11:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/28/19 11:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/28/19 11:49	1
Toluene	ND		1.0	0.51	ug/L			05/28/19 11:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/28/19 11:49	1
Trichloroethene	ND		1.0	0.46	ug/L			05/28/19 11:49	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		05/28/19 11:49	1
4-Bromofluorobenzene (Surr)	100		73 - 120		05/28/19 11:49	1
Toluene-d8 (Surr)	101		80 - 120		05/28/19 11:49	1
Dibromofluoromethane (Surr)	104		75 - 123		05/28/19 11:49	1

**Lab Sample ID: LCS 480-474842/6**  
**Matrix: Water**  
**Analysis Batch: 474842**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	76 - 120
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
Methylene Chloride	25.0	22.6		ug/L		90	75 - 124
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
Toluene	25.0	25.4		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
Trichloroethene	25.0	24.8		ug/L		99	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	102		75 - 123

## Method: SM 2540D - Solids, Total Suspended (TSS)

**Lab Sample ID: MB 480-474650/1**  
**Matrix: Water**  
**Analysis Batch: 474650**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		1.0	1.0	mg/L			05/24/19 14:35	1

**Lab Sample ID: LCS 480-474650/2**  
**Matrix: Water**  
**Analysis Batch: 474650**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Suspended Solids	261	253.2		mg/L		97	88 - 110

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

## Method: SM2540 C - Total Dissolved Solids

**Lab Sample ID: MB 480-474585/1**  
**Matrix: Water**  
**Analysis Batch: 474585**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			05/24/19 10:23	1

**Lab Sample ID: LCS 480-474585/2**  
**Matrix: Water**  
**Analysis Batch: 474585**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	468.0		mg/L		94	85 - 115

**Lab Sample ID: 480-153785-1 DU**  
**Matrix: Water**  
**Analysis Batch: 474585**

**Client Sample ID: EFFLUENT 052019**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	599		596.0		mg/L		0.5	10

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

## GC/MS VOA

### Analysis Batch: 474842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153785-2	EFFLUENT 052019	Total/NA	Water	8260C	
MB 480-474842/8	Method Blank	Total/NA	Water	8260C	
LCS 480-474842/6	Lab Control Sample	Total/NA	Water	8260C	

## General Chemistry

### Analysis Batch: 474585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153785-1	EFFLUENT 052019	Total/NA	Water	SM2540 C	
MB 480-474585/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-474585/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-153785-1 DU	EFFLUENT 052019	Total/NA	Water	SM2540 C	

### Analysis Batch: 474650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153785-1	EFFLUENT 052019	Total/NA	Water	SM 2540D	
MB 480-474650/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-474650/2	Lab Control Sample	Total/NA	Water	SM 2540D	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

**Client Sample ID: EFFLUENT 052019**

**Lab Sample ID: 480-153785-1**

Date Collected: 05/20/19 07:15

Matrix: Water

Date Received: 05/21/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	474650	05/24/19 14:35	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	474585	05/24/19 10:23	CSS	TAL BUF

**Client Sample ID: EFFLUENT 052019**

**Lab Sample ID: 480-153785-2**

Date Collected: 05/20/19 07:15

Matrix: Water

Date Received: 05/21/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	474842	05/28/19 17:32	AMM	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153785-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-153785-1	EFFLUENT 052019	Water	05/20/19 07:15	05/21/19 09:30	
480-153785-2	EFFLUENT 052019	Water	05/20/19 07:15	05/21/19 09:30	

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Chain of Custody Record

<b>Client Information</b> Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Phone: 315-4789-1300 Camer Tracking No(s):		COC No: 480-122349-10587.1 Page: Page 1 of 1 Job #:	
<b>Due Date Requested:</b> TAT Requested (days): PO #: 11900114 WO #:		Analysis Requested Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids <input type="checkbox"/> N 2540C - Calc'd - Total Dissolved Solids <input type="checkbox"/> N 8260C - Volatile Organic Compounds <input type="checkbox"/> A			
Preservation Codes: M - Hexane L - EDA Z - other (specify) Other:		Total Number of Containers 2 3			
Special Instructions/Note: 480-153785 Chain of Custody		Special Instructions/Note: Syracuse #225			
<b>Sample Identification</b> Sample Date: 5-20-19 Sample Time: 7:15 Sample Type (C=Comp, G=grab): C Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=air): Water Preservation Code:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Effluent 052019 Effluent 052019 5-20-19 AM		Special Instructions/QC Requirements: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
<b>Possible Hazard Identification</b> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by:		Method of Shipment:			
Relinquished by: North Koehnke Date/Time: 5-20-19 10:25 Company: obg		Received by: [Signature] Date/Time: 5-20-19 10:25 Company: obg			
Relinquished by: [Signature] Date/Time: 5-20-19 19:00 Company: obg		Received by: [Signature] Date/Time: 5/20/19 09:30 Company: TAB			
Relinquished by:		Received by:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: # / 3.3			



## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-153785-1

**Login Number: 153785**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Wallace, Cameron**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-153811-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
6/3/2019 11:49:57 AM

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I  
(716)504-9874  
[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

Review your project  
results through  
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Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

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**Job ID: 480-153811-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

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**Job Narrative**  
**480-153811-1**

## Receipt

The sample was received on 5/16/2019 8:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° C.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

**Client Sample ID: EFFLUENT 051519**

**Lab Sample ID: 480-153811-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	931		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

**Client Sample ID: EFFLUENT 051519**

**Lab Sample ID: 480-153811-1**

Date Collected: 05/15/19 07:20

Matrix: Water

Date Received: 05/16/19 08:00

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>931</b>		10.0	4.0	mg/L			05/22/19 09:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			05/22/19 09:55	1

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# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-474118/1  
 Matrix: Water  
 Analysis Batch: 474118

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/22/19 09:55	1

Lab Sample ID: LCS 480-474118/2  
 Matrix: Water  
 Analysis Batch: 474118

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	247	242.8		mg/L		98	88 - 110

Lab Sample ID: 480-153811-1 DU  
 Matrix: Water  
 Analysis Batch: 474118

Client Sample ID: EFFLUENT 051519  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	ND		ND		mg/L		NC	10

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-474117/1  
 Matrix: Water  
 Analysis Batch: 474117

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			05/22/19 09:45	1

Lab Sample ID: LCS 480-474117/2  
 Matrix: Water  
 Analysis Batch: 474117

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	500.0		mg/L		100	85 - 115

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

## General Chemistry

### Analysis Batch: 474117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153811-1	EFFLUENT 051519	Total/NA	Water	SM2540 C	
MB 480-474117/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-474117/2	Lab Control Sample	Total/NA	Water	SM2540 C	

### Analysis Batch: 474118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-153811-1	EFFLUENT 051519	Total/NA	Water	SM 2540D	
MB 480-474118/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-474118/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-153811-1 DU	EFFLUENT 051519	Total/NA	Water	SM 2540D	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

**Client Sample ID: EFFLUENT 051519**

**Lab Sample ID: 480-153811-1**

**Date Collected: 05/15/19 07:20**

**Matrix: Water**

**Date Received: 05/16/19 08:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	474118	05/22/19 09:55	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	474117	05/22/19 09:45	CSS	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-153811-1

---


Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-153811-1	EFFLUENT 051519	Water	05/15/19 07:20	05/16/19 08:00	

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# Chain of Custody Record



<b>Client Information</b> Client Contact: <b>Mr. Yuri Veliz</b> Company: <b>O'Brien &amp; Gere Inc of North America</b> Address: <b>333 West Washington St. PO BOX 4873</b> City: <b>East Syracuse</b> State Zip: <b>NY, 13221</b> Phone: <b>315-658-6100 (Tel) 315-463-7554 (Fax)</b> Email: <b>Yuri.Veliz@obg.com</b> Project Name: <b>Former Accurate Die Cast</b> Site:		Lab Pk: <b>Deyo, Melissa L</b> E-Mail: <b>melissa.deyo@testamericainc.com</b> C/C# Tracking No(s): Page: <b>1 of 1</b> Job #:	
<b>Analysis Requested</b> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N <input type="checkbox"/> N Total Filled Sample (Yes or No) <input checked="" type="checkbox"/> N <input type="checkbox"/> N 2540D - Total Suspended Solids <input checked="" type="checkbox"/> N <input type="checkbox"/> N 2540C - Calc - Total Dissolved Solids <input checked="" type="checkbox"/> N <input type="checkbox"/> N Total Number of Containers: <b>2</b>		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
<b>Sample Identification</b> Sample ID: <b>051519</b> Sample Date: <b>5-15-19</b> Sample Time: <b>7:20</b> Sample Type: <b>C</b> Matrix: <b>Water</b> Preservation Code:		Special Instructions/Note: <div style="text-align: center;">             480-153811 Chain of Custody         </div>	
<b>Possible Hazard Identification</b> <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Deliverable Requested: I, II, III, IV, Other (specify)			
<b>Empty Kit Requisitioned by:</b> Requisitioned by: <b>Martin Kowenke</b> Date: <b>5-15-19 10:05</b> Company: <b>OBG</b> Requisitioned by: <b>Reiglich</b> Date: <b>5-15-19 19:10</b> Company: <b>Syn</b> Requisitioned by:			
<b>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</b> <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:			
<b>Chain of Custody</b> Date/Time: <b>5-15-19 10:05</b> Received by: <b>Reiglich</b> Company: <b>OBG</b> Date/Time: <b>5-15-19 19:10</b> Received by: <b>Syn</b> Company: <b>Syn</b> Date/Time:			
<b>Custody Seal Intact:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Custody Seal No.:</b> <b>3.6</b>	

## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-153811-1

**Login Number: 153811**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Kasperek, Kenneth E**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154127-1

Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

6/17/2019 2:46:03 PM

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I  
(716)504-9874

[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

### LINKS

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

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**Job ID: 480-154127-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

---

**Job Narrative**  
**480-154127-1**

## Receipt

The sample was received on 5/29/2019 5:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

**Client Sample ID: EFFLUENT 052819**

**Lab Sample ID: 480-154127-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	635		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

**Client Sample ID: EFFLUENT 052819**

**Lab Sample ID: 480-154127-1**

Date Collected: 05/28/19 07:20

Matrix: Water

Date Received: 05/29/19 05:00

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>635</b>		10.0	4.0	mg/L			06/04/19 03:25	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/03/19 08:24	1

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# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-475818/1  
 Matrix: Water  
 Analysis Batch: 475818

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/03/19 08:24	1

Lab Sample ID: LCS 480-475818/2  
 Matrix: Water  
 Analysis Batch: 475818

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	256	247.2		mg/L		97	88 - 110

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-475963/1  
 Matrix: Water  
 Analysis Batch: 475963

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/04/19 03:25	1

Lab Sample ID: LCS 480-475963/2  
 Matrix: Water  
 Analysis Batch: 475963

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	483.0		mg/L		96	85 - 115

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

## General Chemistry

### Analysis Batch: 475818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154127-1	EFFLUENT 052819	Total/NA	Water	SM 2540D	
MB 480-475818/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-475818/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Analysis Batch: 475963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154127-1	EFFLUENT 052819	Total/NA	Water	SM2540 C	
MB 480-475963/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-475963/2	Lab Control Sample	Total/NA	Water	SM2540 C	



# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

**Client Sample ID: EFFLUENT 052819**

**Lab Sample ID: 480-154127-1**

**Date Collected: 05/28/19 07:20**

**Matrix: Water**

**Date Received: 05/29/19 05:00**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	SM 2540D		1	475818	06/03/19 08:24	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	475963	06/04/19 03:25	EY	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154127-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-154127-1	EFFLUENT 052819	Water	05/28/19 07:20	05/29/19 05:00	

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## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-154127-1

**Login Number: 154127**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Stopa, Erik S**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	





## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154498-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
6/20/2019 11:10:22 AM  
Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I  
(716)504-9874  
[melissa.deyo@testamericainc.com](mailto:melissa.deyo@testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

**Job ID: 480-154498-1**

**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

### Job Narrative 480-154498-1

#### Receipt

The samples were received on 6/6/2019 5:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9° C.

#### GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-476433 recovered above the upper control limit for Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: Between Carbons 060519 (480-154498-2) and Influent 060519 (480-154498-5).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-476433 recovered outside control limits for the following analyte: Tetrachloroethene. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: Between Carbons 060519 (480-154498-2) and Influent 060519 (480-154498-5).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-476659 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene and Carbon disulfide. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following sample is impacted: Effluent 060519 (480-154498-4).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: Influent 060519 (480-154498-5), (480-154498-B-5 MS) and (480-154498-B-5 MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

#### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

#### General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Client Sample ID: Effluent 060519

Lab Sample ID: 480-154498-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	622		10.0	4.0	mg/L	1		SM2540 C	Total/NA

## Client Sample ID: Between Carbons 060519

Lab Sample ID: 480-154498-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	10		1.0	0.46	ug/L	1		8260C	Total/NA

## Client Sample ID: Influent 060519

Lab Sample ID: 480-154498-3

No Detections.

## Client Sample ID: Effluent 060519

Lab Sample ID: 480-154498-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.46	J	1.0	0.44	ug/L	1		8260C	Total/NA

## Client Sample ID: Influent 060519

Lab Sample ID: 480-154498-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.8		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene - DL	330		8.0	3.7	ug/L	8		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

**Client Sample ID: Effluent 060519**

**Lab Sample ID: 480-154498-1**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		06/07/19 08:36	06/13/19 23:05	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/07/19 11:51	06/07/19 15:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>622</b>		10.0	4.0	mg/L			06/11/19 12:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/12/19 08:20	1

**Client Sample ID: Between Carbons 060519**

**Lab Sample ID: 480-154498-2**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/06/19 14:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/06/19 14:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/06/19 14:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/06/19 14:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/06/19 14:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/06/19 14:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/06/19 14:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/06/19 14:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/06/19 14:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/06/19 14:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/06/19 14:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/06/19 14:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/06/19 14:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/06/19 14:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/06/19 14:25	1
2-Hexanone	ND		5.0	1.2	ug/L			06/06/19 14:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/06/19 14:25	1
Acetone	ND		10	3.0	ug/L			06/06/19 14:25	1
Benzene	ND		1.0	0.41	ug/L			06/06/19 14:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/06/19 14:25	1
Bromoform	ND		1.0	0.26	ug/L			06/06/19 14:25	1
Bromomethane	ND		1.0	0.69	ug/L			06/06/19 14:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/06/19 14:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/06/19 14:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/06/19 14:25	1
Chloroethane	ND		1.0	0.32	ug/L			06/06/19 14:25	1
Chloroform	ND		1.0	0.34	ug/L			06/06/19 14:25	1
Chloromethane	ND		1.0	0.35	ug/L			06/06/19 14:25	1
<b>cis-1,2-Dichloroethene</b>	<b>1.9</b>		1.0	0.81	ug/L			06/06/19 14:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/06/19 14:25	1
Cyclohexane	ND		1.0	0.18	ug/L			06/06/19 14:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/06/19 14:25	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

**Client Sample ID: Between Carbons 060519**

**Lab Sample ID: 480-154498-2**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/06/19 14:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/06/19 14:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/06/19 14:25	1
Methyl acetate	ND		2.5	1.3	ug/L			06/06/19 14:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/06/19 14:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/06/19 14:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/06/19 14:25	1
Styrene	ND		1.0	0.73	ug/L			06/06/19 14:25	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			06/06/19 14:25	1
Toluene	ND		1.0	0.51	ug/L			06/06/19 14:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/06/19 14:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/06/19 14:25	1
<b>Trichloroethene</b>	<b>10</b>		1.0	0.46	ug/L			06/06/19 14:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/06/19 14:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/06/19 14:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/06/19 14:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					06/06/19 14:25	1
4-Bromofluorobenzene (Surr)	104		73 - 120					06/06/19 14:25	1
Dibromofluoromethane (Surr)	99		75 - 123					06/06/19 14:25	1
Toluene-d8 (Surr)	104		80 - 120					06/06/19 14:25	1

**Client Sample ID: Influent 060519**

**Lab Sample ID: 480-154498-3**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

**Method: 6010C - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		06/07/19 08:36	06/13/19 23:09	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/07/19 11:51	06/07/19 15:12	1

**Client Sample ID: Effluent 060519**

**Lab Sample ID: 480-154498-4**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/07/19 12:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/07/19 12:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/07/19 12:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/07/19 12:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/07/19 12:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/07/19 12:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/07/19 12:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/07/19 12:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/07/19 12:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/07/19 12:03	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

**Client Sample ID: Effluent 060519**

**Lab Sample ID: 480-154498-4**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/07/19 12:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/07/19 12:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/07/19 12:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/07/19 12:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/07/19 12:03	1
2-Hexanone	ND		5.0	1.2	ug/L			06/07/19 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/07/19 12:03	1
Acetone	ND		10	3.0	ug/L			06/07/19 12:03	1
Benzene	ND		1.0	0.41	ug/L			06/07/19 12:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/07/19 12:03	1
Bromoform	ND		1.0	0.26	ug/L			06/07/19 12:03	1
Bromomethane	ND		1.0	0.69	ug/L			06/07/19 12:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/07/19 12:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/07/19 12:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/07/19 12:03	1
Chloroethane	ND		1.0	0.32	ug/L			06/07/19 12:03	1
Chloroform	ND		1.0	0.34	ug/L			06/07/19 12:03	1
Chloromethane	ND		1.0	0.35	ug/L			06/07/19 12:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/07/19 12:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/07/19 12:03	1
Cyclohexane	ND		1.0	0.18	ug/L			06/07/19 12:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/07/19 12:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/07/19 12:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/07/19 12:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/07/19 12:03	1
Methyl acetate	ND		2.5	1.3	ug/L			06/07/19 12:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/07/19 12:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/07/19 12:03	1
<b>Methylene Chloride</b>	<b>0.46</b>	<b>J</b>	1.0	0.44	ug/L			06/07/19 12:03	1
Styrene	ND		1.0	0.73	ug/L			06/07/19 12:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/07/19 12:03	1
Toluene	ND		1.0	0.51	ug/L			06/07/19 12:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/07/19 12:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/07/19 12:03	1
Trichloroethene	ND		1.0	0.46	ug/L			06/07/19 12:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/07/19 12:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/07/19 12:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/07/19 12:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		06/07/19 12:03	1
4-Bromofluorobenzene (Surr)	88		73 - 120		06/07/19 12:03	1
Dibromofluoromethane (Surr)	96		75 - 123		06/07/19 12:03	1
Toluene-d8 (Surr)	89		80 - 120		06/07/19 12:03	1

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

**Client Sample ID: Influent 060519**

**Lab Sample ID: 480-154498-5**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/06/19 13:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/06/19 13:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/06/19 13:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/06/19 13:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/06/19 13:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/06/19 13:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/06/19 13:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/06/19 13:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/06/19 13:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/06/19 13:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/06/19 13:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/06/19 13:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/06/19 13:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/06/19 13:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/06/19 13:32	1
2-Hexanone	ND		5.0	1.2	ug/L			06/06/19 13:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/06/19 13:32	1
Acetone	ND		10	3.0	ug/L			06/06/19 13:32	1
Benzene	ND		1.0	0.41	ug/L			06/06/19 13:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/06/19 13:32	1
Bromoform	ND		1.0	0.26	ug/L			06/06/19 13:32	1
Bromomethane	ND		1.0	0.69	ug/L			06/06/19 13:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/06/19 13:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/06/19 13:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/06/19 13:32	1
Chloroethane	ND		1.0	0.32	ug/L			06/06/19 13:32	1
Chloroform	ND		1.0	0.34	ug/L			06/06/19 13:32	1
Chloromethane	ND		1.0	0.35	ug/L			06/06/19 13:32	1
<b>cis-1,2-Dichloroethene</b>	<b>1.8</b>		1.0	0.81	ug/L			06/06/19 13:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/06/19 13:32	1
Cyclohexane	ND		1.0	0.18	ug/L			06/06/19 13:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/06/19 13:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/06/19 13:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/06/19 13:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/06/19 13:32	1
Methyl acetate	ND		2.5	1.3	ug/L			06/06/19 13:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/06/19 13:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/06/19 13:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/06/19 13:32	1
Styrene	ND		1.0	0.73	ug/L			06/06/19 13:32	1
Tetrachloroethene	ND *		1.0	0.36	ug/L			06/06/19 13:32	1
Toluene	ND		1.0	0.51	ug/L			06/06/19 13:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/06/19 13:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/06/19 13:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/06/19 13:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/06/19 13:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/06/19 13:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		06/06/19 13:32	1

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

**Client Sample ID: Influent 060519**

**Lab Sample ID: 480-154498-5**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

**Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		73 - 120		06/06/19 13:32	1
Dibromofluoromethane (Surr)	95		75 - 123		06/06/19 13:32	1
Toluene-d8 (Surr)	104		80 - 120		06/06/19 13:32	1

**Method: 8260C - Volatile Organic Compounds by GC/MS - DL**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	330		8.0	3.7	ug/L			06/07/19 12:27	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		06/07/19 12:27	8
4-Bromofluorobenzene (Surr)	91		73 - 120		06/07/19 12:27	8
Dibromofluoromethane (Surr)	96		75 - 123		06/07/19 12:27	8
Toluene-d8 (Surr)	92		80 - 120		06/07/19 12:27	8



# Surrogate Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(77-120)	(73-120)	(75-123)	(80-120)
480-154498-2	Between Carbons 060519	100	104	99	104
480-154498-4	Effluent 060519	101	88	96	89
480-154498-5	Influent 060519	97	102	95	104
480-154498-5 - DL	Influent 060519	98	91	96	92
480-154498-5 MS	Influent 060519	103	90	101	94
480-154498-5 MSD	Influent 060519	104	94	100	94
LCS 480-476433/5	Lab Control Sample	101	107	99	106
LCS 480-476659/5	Lab Control Sample	105	90	96	92
MB 480-476433/7	Method Blank	103	106	101	108
MB 480-476659/7	Method Blank	99	92	93	92

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-476433/7

Matrix: Water

Analysis Batch: 476433

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/06/19 11:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/06/19 11:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/06/19 11:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/06/19 11:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/06/19 11:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/06/19 11:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/06/19 11:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/06/19 11:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/06/19 11:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/06/19 11:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/06/19 11:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/06/19 11:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/06/19 11:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/06/19 11:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/06/19 11:05	1
2-Hexanone	ND		5.0	1.2	ug/L			06/06/19 11:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/06/19 11:05	1
Acetone	ND		10	3.0	ug/L			06/06/19 11:05	1
Benzene	ND		1.0	0.41	ug/L			06/06/19 11:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/06/19 11:05	1
Bromoform	ND		1.0	0.26	ug/L			06/06/19 11:05	1
Bromomethane	ND		1.0	0.69	ug/L			06/06/19 11:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/06/19 11:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/06/19 11:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/06/19 11:05	1
Chloroethane	ND		1.0	0.32	ug/L			06/06/19 11:05	1
Chloroform	ND		1.0	0.34	ug/L			06/06/19 11:05	1
Chloromethane	ND		1.0	0.35	ug/L			06/06/19 11:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/06/19 11:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/06/19 11:05	1
Cyclohexane	ND		1.0	0.18	ug/L			06/06/19 11:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/06/19 11:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/06/19 11:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/06/19 11:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/06/19 11:05	1
Methyl acetate	ND		2.5	1.3	ug/L			06/06/19 11:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/06/19 11:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/06/19 11:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/06/19 11:05	1
Styrene	ND		1.0	0.73	ug/L			06/06/19 11:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/06/19 11:05	1
Toluene	ND		1.0	0.51	ug/L			06/06/19 11:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/06/19 11:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/06/19 11:05	1
Trichloroethene	ND		1.0	0.46	ug/L			06/06/19 11:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/06/19 11:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/06/19 11:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/06/19 11:05	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-476433/7

Matrix: Water

Analysis Batch: 476433

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/06/19 11:05	1
4-Bromofluorobenzene (Surr)	106		73 - 120		06/06/19 11:05	1
Dibromofluoromethane (Surr)	101		75 - 123		06/06/19 11:05	1
Toluene-d8 (Surr)	108		80 - 120		06/06/19 11:05	1

Lab Sample ID: LCS 480-476433/5

Matrix: Water

Analysis Batch: 476433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.5		ug/L		114	61 - 148
1,1,2-Trichloroethane	25.0	26.0		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	25.6		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	25.0	26.6		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	18.2		ug/L		73	56 - 134
1,2-Dibromoethane	25.0	26.3		ug/L		105	77 - 120
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		105	77 - 120
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 120
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
2-Hexanone	125	120		ug/L		96	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	26.9		ug/L		108	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	21.9		ug/L		88	61 - 132
Bromomethane	25.0	24.7		ug/L		99	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	26.0		ug/L		104	72 - 134
Chlorobenzene	25.0	28.0		ug/L		112	80 - 120
Chloroethane	25.0	23.7		ug/L		95	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	26.2		ug/L		105	59 - 135
Dibromochloromethane	25.0	24.1		ug/L		96	75 - 125
Dichlorodifluoromethane	25.0	22.2		ug/L		89	59 - 135
Ethylbenzene	25.0	27.1		ug/L		108	77 - 123
Isopropylbenzene	25.0	26.4		ug/L		106	77 - 122
Methyl acetate	50.0	44.1		ug/L		88	74 - 133
Methyl tert-butyl ether	25.0	23.3		ug/L		93	77 - 120
Methylcyclohexane	25.0	28.0		ug/L		112	68 - 134

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-476433/5

Matrix: Water

Analysis Batch: 476433

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
Styrene	25.0	26.6		ug/L		106	80 - 120
Tetrachloroethene	25.0	31.3	*	ug/L		125	74 - 122
Toluene	25.0	27.5		ug/L		110	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	26.4		ug/L		106	80 - 120
Trichloroethene	25.0	27.0		ug/L		108	74 - 123
Trichlorofluoromethane	25.0	27.0		ug/L		108	62 - 150
Vinyl chloride	25.0	23.3		ug/L		93	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123
Toluene-d8 (Surr)	106		80 - 120

Lab Sample ID: MB 480-476659/7

Matrix: Water

Analysis Batch: 476659

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/07/19 11:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/07/19 11:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/07/19 11:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/07/19 11:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/07/19 11:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/07/19 11:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/07/19 11:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/07/19 11:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/07/19 11:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/07/19 11:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/07/19 11:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/07/19 11:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/07/19 11:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/07/19 11:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/07/19 11:25	1
2-Hexanone	ND		5.0	1.2	ug/L			06/07/19 11:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/07/19 11:25	1
Acetone	ND		10	3.0	ug/L			06/07/19 11:25	1
Benzene	ND		1.0	0.41	ug/L			06/07/19 11:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/07/19 11:25	1
Bromoform	ND		1.0	0.26	ug/L			06/07/19 11:25	1
Bromomethane	ND		1.0	0.69	ug/L			06/07/19 11:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/07/19 11:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/07/19 11:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/07/19 11:25	1
Chloroethane	ND		1.0	0.32	ug/L			06/07/19 11:25	1
Chloroform	ND		1.0	0.34	ug/L			06/07/19 11:25	1

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-476659/7

Matrix: Water

Analysis Batch: 476659

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	ND		1.0	0.35	ug/L			06/07/19 11:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/07/19 11:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/07/19 11:25	1
Cyclohexane	ND		1.0	0.18	ug/L			06/07/19 11:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/07/19 11:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/07/19 11:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/07/19 11:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/07/19 11:25	1
Methyl acetate	ND		2.5	1.3	ug/L			06/07/19 11:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/07/19 11:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/07/19 11:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/07/19 11:25	1
Styrene	ND		1.0	0.73	ug/L			06/07/19 11:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/07/19 11:25	1
Toluene	ND		1.0	0.51	ug/L			06/07/19 11:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/07/19 11:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/07/19 11:25	1
Trichloroethene	ND		1.0	0.46	ug/L			06/07/19 11:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/07/19 11:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/07/19 11:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/07/19 11:25	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/07/19 11:25	1
4-Bromofluorobenzene (Surr)	92		73 - 120		06/07/19 11:25	1
Dibromofluoromethane (Surr)	93		75 - 123		06/07/19 11:25	1
Toluene-d8 (Surr)	92		80 - 120		06/07/19 11:25	1

Lab Sample ID: LCS 480-476659/5

Matrix: Water

Analysis Batch: 476659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	20.2		ug/L		81	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.2		ug/L		93	61 - 148
1,1,2-Trichloroethane	25.0	23.6		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	20.6		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	25.0	23.1		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.4		ug/L		82	56 - 134
1,2-Dibromoethane	25.0	21.9		ug/L		88	77 - 120
1,2-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	24.9		ug/L		100	75 - 120
1,2-Dichloropropane	25.0	25.6		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	22.3		ug/L		89	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	108		ug/L		86	57 - 140

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 480-476659/5**

**Matrix: Water**

**Analysis Batch: 476659**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
2-Hexanone	125	116		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	125	111		ug/L		89	71 - 125
Acetone	125	113		ug/L		91	56 - 142
Benzene	25.0	24.3		ug/L		97	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		101	80 - 122
Bromoform	25.0	24.8		ug/L		99	61 - 132
Bromomethane	25.0	22.9		ug/L		91	55 - 144
Carbon disulfide	25.0	20.5		ug/L		82	59 - 134
Carbon tetrachloride	25.0	27.4		ug/L		110	72 - 134
Chlorobenzene	25.0	22.8		ug/L		91	80 - 120
Chloroethane	25.0	24.7		ug/L		99	69 - 136
Chloroform	25.0	23.1		ug/L		92	73 - 127
Chloromethane	25.0	24.4		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	24.1		ug/L		96	74 - 124
Cyclohexane	25.0	27.1		ug/L		109	59 - 135
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	22.4		ug/L		89	59 - 135
Ethylbenzene	25.0	23.4		ug/L		93	77 - 123
Isopropylbenzene	25.0	23.3		ug/L		93	77 - 122
Methyl acetate	50.0	41.8		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	22.8		ug/L		91	77 - 120
Methylcyclohexane	25.0	23.4		ug/L		94	68 - 134
Methylene Chloride	25.0	21.7		ug/L		87	75 - 124
Styrene	25.0	23.2		ug/L		93	80 - 120
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	23.5		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	24.1		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	26.7		ug/L		107	62 - 150
Vinyl chloride	25.0	26.4		ug/L		106	65 - 133

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	96		75 - 123
Toluene-d8 (Surr)	92		80 - 120

**Lab Sample ID: 480-154498-5 MS**

**Matrix: Water**

**Analysis Batch: 476659**

**Client Sample ID: Influent 060519**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
1,1,1-Trichloroethane	ND		200	205		ug/L		103	73 - 126
1,1,1,2-Tetrachloroethane	ND		200	170		ug/L		85	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	200		ug/L		100	61 - 148
1,1,2-Trichloroethane	ND		200	176		ug/L		88	76 - 122

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-154498-5 MS

Matrix: Water

Analysis Batch: 476659

Client Sample ID: Influent 060519

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,1-Dichloroethane	ND		200	206		ug/L		103	77 - 120
1,1-Dichloroethene	ND		200	177		ug/L		88	66 - 127
1,2,4-Trichlorobenzene	ND		200	188		ug/L		94	79 - 122
1,2-Dibromo-3-Chloropropane	ND		200	149		ug/L		75	56 - 134
1,2-Dibromoethane	ND		200	172		ug/L		86	77 - 120
1,2-Dichlorobenzene	ND		200	188		ug/L		94	80 - 124
1,2-Dichloroethane	ND		200	200		ug/L		100	75 - 120
1,2-Dichloropropane	ND		200	214		ug/L		107	76 - 120
1,3-Dichlorobenzene	ND		200	184		ug/L		92	77 - 120
1,4-Dichlorobenzene	ND		200	187		ug/L		94	78 - 124
2-Butanone (MEK)	ND		1000	786		ug/L		79	57 - 140
2-Hexanone	ND		1000	856		ug/L		86	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		1000	861		ug/L		86	71 - 125
Acetone	ND		1000	748		ug/L		75	56 - 142
Benzene	ND		200	199		ug/L		100	71 - 124
Bromodichloromethane	ND		200	198		ug/L		99	80 - 122
Bromoform	ND		200	157		ug/L		79	61 - 132
Bromomethane	ND		200	185		ug/L		92	55 - 144
Carbon disulfide	ND		200	167		ug/L		83	59 - 134
Carbon tetrachloride	ND		200	221		ug/L		111	72 - 134
Chlorobenzene	ND		200	187		ug/L		94	80 - 120
Chloroethane	ND		200	198		ug/L		99	69 - 136
Chloroform	ND		200	194		ug/L		97	73 - 127
Chloromethane	ND		200	211		ug/L		105	68 - 124
cis-1,2-Dichloroethene	ND		200	194		ug/L		97	74 - 124
cis-1,3-Dichloropropene	ND		200	185		ug/L		93	74 - 124
Cyclohexane	ND		200	229		ug/L		115	59 - 135
Dibromochloromethane	ND		200	193		ug/L		96	75 - 125
Dichlorodifluoromethane	ND		200	168		ug/L		84	59 - 135
Ethylbenzene	ND		200	189		ug/L		94	77 - 123
Isopropylbenzene	ND		200	201		ug/L		101	77 - 122
Methyl acetate	ND		400	334		ug/L		83	74 - 133
Methyl tert-butyl ether	ND		200	180		ug/L		90	77 - 120
Methylcyclohexane	ND		200	200		ug/L		100	68 - 134
Methylene Chloride	11		200	189		ug/L		89	75 - 124
Styrene	ND		200	183		ug/L		92	80 - 120
Tetrachloroethene	ND		200	193		ug/L		96	74 - 122
Toluene	ND		200	186		ug/L		93	80 - 122
trans-1,2-Dichloroethene	ND		200	194		ug/L		97	73 - 127
trans-1,3-Dichloropropene	ND		200	170		ug/L		85	80 - 120
Trichloroethene	330		200	519		ug/L		95	74 - 123
Trichlorofluoromethane	ND		200	208		ug/L		104	62 - 150
Vinyl chloride	ND		200	215		ug/L		107	65 - 133

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-154498-5 MS

Matrix: Water

Analysis Batch: 476659

Client Sample ID: Influent 060519

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	94		80 - 120

Lab Sample ID: 480-154498-5 MSD

Matrix: Water

Analysis Batch: 476659

Client Sample ID: Influent 060519

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
1,1,1-Trichloroethane	ND		200	202		ug/L		101	73 - 126	2	15
1,1,1,2-Tetrachloroethane	ND		200	159		ug/L		80	76 - 120	7	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	186		ug/L		93	61 - 148	7	20
1,1,2-Trichloroethane	ND		200	178		ug/L		89	76 - 122	1	15
1,1-Dichloroethane	ND		200	201		ug/L		100	77 - 120	3	20
1,1-Dichloroethene	ND		200	166		ug/L		83	66 - 127	6	16
1,2,4-Trichlorobenzene	ND		200	182		ug/L		91	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		200	147		ug/L		74	56 - 134	1	15
1,2-Dibromoethane	ND		200	171		ug/L		86	77 - 120	1	15
1,2-Dichlorobenzene	ND		200	182		ug/L		91	80 - 124	4	20
1,2-Dichloroethane	ND		200	195		ug/L		98	75 - 120	2	20
1,2-Dichloropropane	ND		200	207		ug/L		104	76 - 120	3	20
1,3-Dichlorobenzene	ND		200	178		ug/L		89	77 - 120	3	20
1,4-Dichlorobenzene	ND		200	182		ug/L		91	78 - 124	3	20
2-Butanone (MEK)	ND		1000	795		ug/L		80	57 - 140	1	20
2-Hexanone	ND		1000	874		ug/L		87	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		1000	868		ug/L		87	71 - 125	1	35
Acetone	ND		1000	736		ug/L		74	56 - 142	2	15
Benzene	ND		200	196		ug/L		98	71 - 124	2	13
Bromodichloromethane	ND		200	193		ug/L		97	80 - 122	2	15
Bromoform	ND		200	162		ug/L		81	61 - 132	3	15
Bromomethane	ND		200	181		ug/L		90	55 - 144	2	15
Carbon disulfide	ND		200	160		ug/L		80	59 - 134	4	15
Carbon tetrachloride	ND		200	212		ug/L		106	72 - 134	4	15
Chlorobenzene	ND		200	185		ug/L		93	80 - 120	1	25
Chloroethane	ND		200	189		ug/L		95	69 - 136	4	15
Chloroform	ND		200	189		ug/L		95	73 - 127	3	20
Chloromethane	ND		200	200		ug/L		100	68 - 124	5	15
cis-1,2-Dichloroethene	ND		200	190		ug/L		95	74 - 124	2	15
cis-1,3-Dichloropropene	ND		200	187		ug/L		93	74 - 124	1	15
Cyclohexane	ND		200	223		ug/L		112	59 - 135	3	20
Dibromochloromethane	ND		200	195		ug/L		97	75 - 125	1	15
Dichlorodifluoromethane	ND		200	160		ug/L		80	59 - 135	4	20
Ethylbenzene	ND		200	188		ug/L		94	77 - 123	0	15
Isopropylbenzene	ND		200	189		ug/L		95	77 - 122	6	20
Methyl acetate	ND		400	327		ug/L		82	74 - 133	2	20
Methyl tert-butyl ether	ND		200	177		ug/L		88	77 - 120	2	37
Methylcyclohexane	ND		200	194		ug/L		97	68 - 134	3	20
Methylene Chloride	11		200	184		ug/L		86	75 - 124	3	15
Styrene	ND		200	184		ug/L		92	80 - 120	0	20
Tetrachloroethane	ND		200	186		ug/L		93	74 - 122	4	20

Eurofins TestAmerica, Buffalo



## QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

### Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-154498-5 MSD

Client Sample ID: Influent 060519

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 476659

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Toluene	ND		200	186		ug/L		93	80 - 122	0	15
trans-1,2-Dichloroethene	ND		200	180		ug/L		90	73 - 127	8	20
trans-1,3-Dichloropropene	ND		200	176		ug/L		88	80 - 120	3	15
Trichloroethene	330		200	505		ug/L		89	74 - 123	3	16
Trichlorofluoromethane	ND		200	200		ug/L		100	62 - 150	4	20
Vinyl chloride	ND		200	205		ug/L		102	65 - 133	5	15
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
1,2-Dichloroethane-d4 (Surr)	104		77 - 120								
4-Bromofluorobenzene (Surr)	94		73 - 120								
Dibromofluoromethane (Surr)	100		75 - 123								
Toluene-d8 (Surr)	94		80 - 120								

### Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-476566/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 477794

Prep Batch: 476566

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Zinc	ND		0.010	0.0015	mg/L		06/07/19 08:36	06/13/19 21:38	1

Lab Sample ID: LCS 480-476566/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 477794

Prep Batch: 476566

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
							Result
Zinc	0.200	0.201		mg/L		100	80 - 120

### Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-476690/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 476809

Prep Batch: 476690

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020	0.00012	mg/L		06/07/19 11:51	06/07/19 14:32	1

Lab Sample ID: LCS 480-476690/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 476809

Prep Batch: 476690

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
							Result
Mercury	0.00667	0.00655		mg/L		98	80 - 120

## QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

### Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 480-476691/1-A  
 Matrix: Water  
 Analysis Batch: 476809

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 476691

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/07/19 11:51	06/07/19 15:09	1

Lab Sample ID: LCS 480-476691/2-A  
 Matrix: Water  
 Analysis Batch: 476809

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 476691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00657		mg/L		98	80 - 120

### Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-477352/1  
 Matrix: Water  
 Analysis Batch: 477352

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/12/19 08:20	1

Lab Sample ID: LCS 480-477352/2  
 Matrix: Water  
 Analysis Batch: 477352

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	260	253.6		mg/L		97	88 - 110

### Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-477218/1  
 Matrix: Water  
 Analysis Batch: 477218

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/11/19 12:35	1

Lab Sample ID: LCS 480-477218/2  
 Matrix: Water  
 Analysis Batch: 477218

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	483.0		mg/L		97	85 - 115

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## GC/MS VOA

### Analysis Batch: 476433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-2	Between Carbons 060519	Total/NA	Water	8260C	
480-154498-5	Influent 060519	Total/NA	Water	8260C	
MB 480-476433/7	Method Blank	Total/NA	Water	8260C	
LCS 480-476433/5	Lab Control Sample	Total/NA	Water	8260C	

### Analysis Batch: 476659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-4	Effluent 060519	Total/NA	Water	8260C	
480-154498-5 - DL	Influent 060519	Total/NA	Water	8260C	
MB 480-476659/7	Method Blank	Total/NA	Water	8260C	
LCS 480-476659/5	Lab Control Sample	Total/NA	Water	8260C	
480-154498-5 MS	Influent 060519	Total/NA	Water	8260C	
480-154498-5 MSD	Influent 060519	Total/NA	Water	8260C	

## Metals

### Prep Batch: 476566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-1	Effluent 060519	Total/NA	Water	3005A	
480-154498-3	Influent 060519	Total/NA	Water	3005A	
MB 480-476566/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-476566/2-A	Lab Control Sample	Total/NA	Water	3005A	

### Prep Batch: 476690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-1	Effluent 060519	Total/NA	Water	7470A	
MB 480-476690/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-476690/2-A	Lab Control Sample	Total/NA	Water	7470A	

### Prep Batch: 476691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-3	Influent 060519	Total/NA	Water	7470A	
MB 480-476691/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-476691/2-A	Lab Control Sample	Total/NA	Water	7470A	

### Analysis Batch: 476809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-1	Effluent 060519	Total/NA	Water	7470A	476690
480-154498-3	Influent 060519	Total/NA	Water	7470A	476691
MB 480-476690/1-A	Method Blank	Total/NA	Water	7470A	476690
MB 480-476691/1-A	Method Blank	Total/NA	Water	7470A	476691
LCS 480-476690/2-A	Lab Control Sample	Total/NA	Water	7470A	476690
LCS 480-476691/2-A	Lab Control Sample	Total/NA	Water	7470A	476691

### Analysis Batch: 477794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-1	Effluent 060519	Total/NA	Water	6010C	476566
480-154498-3	Influent 060519	Total/NA	Water	6010C	476566
MB 480-476566/1-A	Method Blank	Total/NA	Water	6010C	476566
LCS 480-476566/2-A	Lab Control Sample	Total/NA	Water	6010C	476566

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## General Chemistry

### Analysis Batch: 477218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-1	Effluent 060519	Total/NA	Water	SM2540 C	
MB 480-477218/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-477218/2	Lab Control Sample	Total/NA	Water	SM2540 C	

### Analysis Batch: 477352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154498-1	Effluent 060519	Total/NA	Water	SM 2540D	
MB 480-477352/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-477352/2	Lab Control Sample	Total/NA	Water	SM 2540D	



# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

**Client Sample ID: Effluent 060519**

**Lab Sample ID: 480-154498-1**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			476566	06/07/19 08:36	EMB	TAL BUF
Total/NA	Analysis	6010C		1	477794	06/13/19 23:05	AMH	TAL BUF
Total/NA	Prep	7470A			476690	06/07/19 11:51	BMB	TAL BUF
Total/NA	Analysis	7470A		1	476809	06/07/19 15:08	BMB	TAL BUF
Total/NA	Analysis	SM 2540D		1	477352	06/12/19 08:20	RAF	TAL BUF
Total/NA	Analysis	SM2540 C		1	477218	06/11/19 12:35	RAF	TAL BUF

**Client Sample ID: Between Carbons 060519**

**Lab Sample ID: 480-154498-2**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	476433	06/06/19 14:25	KMN	TAL BUF

**Client Sample ID: Influent 060519**

**Lab Sample ID: 480-154498-3**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			476566	06/07/19 08:36	EMB	TAL BUF
Total/NA	Analysis	6010C		1	477794	06/13/19 23:09	AMH	TAL BUF
Total/NA	Prep	7470A			476691	06/07/19 11:51	BMB	TAL BUF
Total/NA	Analysis	7470A		1	476809	06/07/19 15:12	BMB	TAL BUF

**Client Sample ID: Effluent 060519**

**Lab Sample ID: 480-154498-4**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	476659	06/07/19 12:03	AEM	TAL BUF

**Client Sample ID: Influent 060519**

**Lab Sample ID: 480-154498-5**

Date Collected: 06/05/19 07:20

Matrix: Water

Date Received: 06/06/19 05:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	476433	06/06/19 13:32	KMN	TAL BUF
Total/NA	Analysis	8260C	DL	8	476659	06/07/19 12:27	AEM	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

- 1
- 2
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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF

#### Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154498-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-154498-1	Effluent 060519	Water	06/05/19 07:20	06/06/19 05:00	
480-154498-2	Between Carbons 060519	Water	06/05/19 07:20	06/06/19 05:00	
480-154498-3	Influent 060519	Water	06/05/19 07:20	06/06/19 05:00	
480-154498-4	Effluent 060519	Water	06/05/19 07:20	06/06/19 05:00	
480-154498-5	Influent 060519	Water	06/05/19 07:20	06/06/19 05:00	

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**Chain of Custody Record**

<b>Client Information</b> Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Devo, Melissa L E-Mail: melissa.devo@testamericainc.com Carrier (Package Type): <b>Syracuse</b> COC No: 122345-10589.1 Page: Page 1 of 1 Job #: #225	
Due Date Requested: TAT Requested (days): PO #: 11900114 WO #:		Analysis Requested: 2540D - Total Suspended Solids 2540C - Total Dissolved Solids 6010C - Zinc 7470A - Mercury	
Sample Identification Effluent 060519 Between Carbons 060519 Influent 060519 Effluent 060519 Influent 060519 6-5-19 RE-		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids 1 1 2540C - Total Dissolved Solids 3 3 6010C - Zinc 1 1 7470A - Mercury 4 4	
Sample Date 6-5-19 6-5-19 6-5-19 6-5-19 6-5-19		Sample Time 7:20 7:20 7:20 7:20 7:20	
Sample Type (C=Comp, G=grab) C G C G G		Preservation Code: Water Water Water water water	
Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air) Water Water Water water water		Total Number of Containers 4 3 3 3 3	
Special Instructions/Note: Special Instructions/Note:		Special Instructions/Note: Special Instructions/Note:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by: Relinquished by: Martin Koennecke Relinquished by: Martin Koennecke Relinquished by: Martin Koennecke			
Date: Date/Time: 6-5-19 / 12:55 Date/Time: 6-5-19, 19:10 Date/Time:			
Method of Shipment: Receiver: R. Koennecke Received by: R. Koennecke Received by: R. Koennecke			
Company: OBG Company: OBG Company: OBG			
Cooler Temperature(s) °C and Other Remarks: A.9 #			



## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-154498-1

**Login Number: 154498**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Velickovic, Zoran**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154898-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:  
6/25/2019 5:38:07 PM

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

Melissa Deyo, Project Manager I  
(716)504-9874  
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### LINKS

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

---

**Job ID: 480-154898-1**

---

**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

---

**Job Narrative**  
**480-154898-1**

## Receipt

The sample was received on 6/12/2019 8:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

**Client Sample ID: EFFLUENT 061119**

**Lab Sample ID: 480-154898-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	617		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

**Client Sample ID: EFFLUENT 061119**

**Lab Sample ID: 480-154898-1**

Date Collected: 06/11/19 07:20

Matrix: Water

Date Received: 06/12/19 08:00

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>617</b>		10.0	4.0	mg/L			06/17/19 09:53	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/17/19 08:39	1

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# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-478072/1  
 Matrix: Water  
 Analysis Batch: 478072

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/17/19 08:39	1

Lab Sample ID: LCS 480-478072/2  
 Matrix: Water  
 Analysis Batch: 478072

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	274	266.4		mg/L		97	88 - 110

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-478083/1  
 Matrix: Water  
 Analysis Batch: 478083

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/17/19 09:53	1

Lab Sample ID: LCS 480-478083/2  
 Matrix: Water  
 Analysis Batch: 478083

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	483.0		mg/L		97	85 - 115

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

## General Chemistry

### Analysis Batch: 478072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154898-1	EFFLUENT 061119	Total/NA	Water	SM 2540D	
MB 480-478072/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-478072/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Analysis Batch: 478083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-154898-1	EFFLUENT 061119	Total/NA	Water	SM2540 C	
MB 480-478083/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-478083/2	Lab Control Sample	Total/NA	Water	SM2540 C	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

**Client Sample ID: EFFLUENT 061119**

**Lab Sample ID: 480-154898-1**

**Date Collected: 06/11/19 07:20**

**Matrix: Water**

**Date Received: 06/12/19 08:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	478072	06/17/19 08:39	RAF	TAL BUF
Total/NA	Analysis	SM2540 C		1	478083	06/17/19 09:53	CSS	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-154898-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-154898-1	EFFLUENT 061119	Water	06/11/19 07:20	06/12/19 08:00	

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**Chain of Custody Record**

<b>Client Information</b> Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Devo, Melissa L. E-Mail: melissa.devo@testamericainc.com Sampler: <i>MARTIN KENNEDY</i> Phone: <i>315-729-1300</i>		Call Reference #: <b>Syracuse #225</b> COC No: 480-120188-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11800225 WO #: Project #: 48008584 SSOV#:		<b>Analysis Requested</b>			
2540D - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids		Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No)		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid M - Hexane N - None O - AsNaO2 P - Na2O4S	
Sample Identification Effluent <i>061119</i> <del>6-11-19 RE</del>		Sample Type (C=Comp, G=grab) <i>C</i>	Sample Time <i>7:20</i>	Sample Date <i>6-11-19</i>	Matrix (W=water, B=solid, O=wastewat, BT=TISSUE, A=AIR) Preservation Code: Water
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month ) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/Note: Total Number of _____	
Empty Kit Relinquished by: Relinquished by: <i>Martin Kennedy</i> Relinquished by: <i>RE 11/19/16</i> Relinquished by:		Date: Date/Time: <i>6-11-19 / 9:55</i> Date/Time: <i>6-11-19 / 19:00</i> Date/Time:		Method of Shipment: Received by: <i>Martin Kennedy</i> Received by: <i>Yuri Veliz</i> Received by:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: <i>3.0 #1 FCE</i>		Company: <i>OBG</i> Company: <i>OBG</i> Company:	

## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-154898-1

**Login Number: 154898**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Kolb, Chris M**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-155128-1  
Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



*Authorized for release by:  
7/2/2019 11:49:26 AM*

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

John Schove, Project Manager II  
(716)504-9838  
[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

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## Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

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**Job ID: 480-155128-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

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**Job Narrative**  
**480-155128-1**

### Receipt

The samples were received on 6/18/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

### GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

### General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

**Client Sample ID: EFFLUENT 061719**

**Lab Sample ID: 480-155128-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	647		10.0	4.0	mg/L	1		SM2540 C	Total/NA

**Client Sample ID: EFFLUENT 061719**

**Lab Sample ID: 480-155128-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

**Client Sample ID: EFFLUENT 061719**

**Lab Sample ID: 480-155128-1**

Date Collected: 06/17/19 07:15

Matrix: Water

Date Received: 06/18/19 09:00

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	647		10.0	4.0	mg/L			06/21/19 08:25	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/21/19 10:01	1

**Client Sample ID: EFFLUENT 061719**

**Lab Sample ID: 480-155128-2**

Date Collected: 06/17/19 07:15

Matrix: Water

Date Received: 06/18/19 09:00

## Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/20/19 13:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/20/19 13:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/20/19 13:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/20/19 13:53	1
Toluene	ND		1.0	0.51	ug/L			06/20/19 13:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/20/19 13:53	1
Trichloroethene	ND		1.0	0.46	ug/L			06/20/19 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					06/20/19 13:53	1
4-Bromofluorobenzene (Surr)	86		73 - 120					06/20/19 13:53	1
Toluene-d8 (Surr)	92		80 - 120					06/20/19 13:53	1
Dibromofluoromethane (Surr)	104		75 - 123					06/20/19 13:53	1

# Surrogate Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

**Method: 8260C - Volatile Organic Compounds by GC/MS**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-155128-2	EFFLUENT 061719	105	86	92	104
LCS 480-478721/5	Lab Control Sample	98	85	98	92
MB 480-478721/7	Method Blank	103	80	93	95

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

# QC Sample Results

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

## Method: 8260C - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 480-478721/7**  
**Matrix: Water**  
**Analysis Batch: 478721**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/20/19 10:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/20/19 10:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/20/19 10:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/20/19 10:54	1
Toluene	ND		1.0	0.51	ug/L			06/20/19 10:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/20/19 10:54	1
Trichloroethene	ND		1.0	0.46	ug/L			06/20/19 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/20/19 10:54	1
4-Bromofluorobenzene (Surr)	80		73 - 120		06/20/19 10:54	1
Toluene-d8 (Surr)	93		80 - 120		06/20/19 10:54	1
Dibromofluoromethane (Surr)	95		75 - 123		06/20/19 10:54	1

**Lab Sample ID: LCS 480-478721/5**  
**Matrix: Water**  
**Analysis Batch: 478721**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	28.7		ug/L		115	76 - 120
cis-1,2-Dichloroethene	25.0	22.6		ug/L		90	74 - 124
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Tetrachloroethene	25.0	21.2		ug/L		85	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	73 - 127
Trichloroethene	25.0	24.2		ug/L		97	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		77 - 120
4-Bromofluorobenzene (Surr)	85		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	92		75 - 123

## Method: SM 2540D - Solids, Total Suspended (TSS)

**Lab Sample ID: MB 480-479010/1**  
**Matrix: Water**  
**Analysis Batch: 479010**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/21/19 10:01	1

**Lab Sample ID: LCS 480-479010/2**  
**Matrix: Water**  
**Analysis Batch: 479010**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	272	268.8		mg/L		99	88 - 110

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-478978/1  
 Matrix: Water  
 Analysis Batch: 478978

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/21/19 08:25	1

Lab Sample ID: LCS 480-478978/2  
 Matrix: Water  
 Analysis Batch: 478978

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	516.0		mg/L		103	85 - 115



# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

## GC/MS VOA

### Analysis Batch: 478721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155128-2	EFFLUENT 061719	Total/NA	Water	8260C	
MB 480-478721/7	Method Blank	Total/NA	Water	8260C	
LCS 480-478721/5	Lab Control Sample	Total/NA	Water	8260C	

## General Chemistry

### Analysis Batch: 478978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155128-1	EFFLUENT 061719	Total/NA	Water	SM2540 C	
MB 480-478978/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-478978/2	Lab Control Sample	Total/NA	Water	SM2540 C	

### Analysis Batch: 479010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155128-1	EFFLUENT 061719	Total/NA	Water	SM 2540D	
MB 480-479010/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-479010/2	Lab Control Sample	Total/NA	Water	SM 2540D	

# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

**Client Sample ID: EFFLUENT 061719**

**Lab Sample ID: 480-155128-1**

**Date Collected: 06/17/19 07:15**

**Matrix: Water**

**Date Received: 06/18/19 09:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	479010	06/21/19 10:01	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	478978	06/21/19 08:25	CSS	TAL BUF

**Client Sample ID: EFFLUENT 061719**

**Lab Sample ID: 480-155128-2**

**Date Collected: 06/17/19 07:15**

**Matrix: Water**

**Date Received: 06/18/19 09:00**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	478721	06/20/19 13:53	OMI	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

#### Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155128-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-155128-1	EFFLUENT 061719	Water	06/17/19 07:15	06/18/19 09:00	
480-155128-2	EFFLUENT 061719	Water	06/17/19 07:15	06/18/19 09:00	

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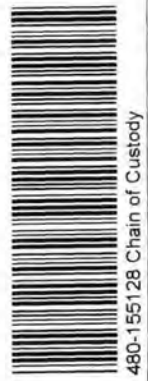
15

**Client Information**  
 Client Contact: Mr. Yuri Veliz  
 Company: O'Brien & Gere Inc of North America  
 Address: 333 West Washington St. PO BOX 4873  
 City: East Syracuse  
 State, Zip: NY, 13221  
 Phone: 315-956-6100(Tel) 315-463-7554(Fax)  
 Email: Yuri.Veliz@obg.com  
 Project Name: Former Accurate Die Cast  
 Site:

**Sampler:** MARTIN KOEHNEDER  
 Lab PM: Deyo, Melissa L  
 Phone: 315-729-1300  
 E-Mail: melissa.deyo@testamericainc.com

**Analysis Requested**

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, A=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C, Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of Containers	Special Instructions/Note:
Effluent 06/17/19	6-17-19	7:15	C	Water	X	N	11	A		2	
EFFLUENT 06/17/19	6-17-19	7:15	G	W						3	
<del>6-17-19 RT</del>											



**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

**Special Instructions/QC Requirements:**

**Empty Kit Relinquished by:** [Signature] Date: 6-17-19 / 9:50  
 Relinquished by: [Signature] Date/Time: 6-17-19, 19:00  
 Relinquished by: [Signature] Date/Time: [Signature] Date/Time: [Signature] Date/Time:

**Cooler Temperature(s) °C and Other Remarks:** #1 2.9°C



# Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-155128-1

**Login Number: 155128**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Hulbert, Michael J**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-155377-1

Client Project/Site: Former Accurate Die Cast

**For:**

O'Brien & Gere Inc of North America  
333 West Washington St.  
PO BOX 4873  
East Syracuse, New York 13221

Attn: Mr. David J Carnevale



*Authorized for release by:  
7/9/2019 5:28:14 PM*

Rebecca Jones, Project Management Assistant I  
[rebecca.jones@testamericainc.com](mailto:rebecca.jones@testamericainc.com)

Designee for

John Schove, Project Manager II  
(716)504-9838  
[john.schove@testamericainc.com](mailto:john.schove@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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## Definitions/Glossary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

# Case Narrative

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

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**Job ID: 480-155377-1**

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**Laboratory: Eurofins TestAmerica, Buffalo**

## Narrative

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**Job Narrative**  
**480-155377-1**

## Receipt

The sample was received on 6/25/2019 8:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

## General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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# Detection Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

**Client Sample ID: EFFLUENT**

**Lab Sample ID: 480-155377-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	617		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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# Client Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

**Client Sample ID: EFFLUENT**

**Lab Sample ID: 480-155377-1**

Date Collected: 06/24/19 07:15

Matrix: Water

Date Received: 06/25/19 08:00

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids</b>	<b>617</b>		10.0	4.0	mg/L			06/28/19 10:44	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/27/19 10:07	1

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# QC Sample Results

Client: O'Brien & Gere Inc of North America  
 Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

## Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 480-479919/1  
 Matrix: Water  
 Analysis Batch: 479919

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/27/19 10:07	1

Lab Sample ID: LCS 480-479919/2  
 Matrix: Water  
 Analysis Batch: 479919

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	256	253.6		mg/L		99	88 - 110

## Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-480138/1  
 Matrix: Water  
 Analysis Batch: 480138

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/28/19 10:44	1

Lab Sample ID: LCS 480-480138/2  
 Matrix: Water  
 Analysis Batch: 480138

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	478.0		mg/L		95	85 - 115

# QC Association Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

## General Chemistry

### Analysis Batch: 479919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155377-1	EFFLUENT	Total/NA	Water	SM 2540D	
MB 480-479919/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-479919/2	Lab Control Sample	Total/NA	Water	SM 2540D	

### Analysis Batch: 480138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-155377-1	EFFLUENT	Total/NA	Water	SM2540 C	
MB 480-480138/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-480138/2	Lab Control Sample	Total/NA	Water	SM2540 C	



# Lab Chronicle

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

**Client Sample ID: EFFLUENT**

**Lab Sample ID: 480-155377-1**

**Date Collected: 06/24/19 07:15**

**Matrix: Water**

**Date Received: 06/25/19 08:00**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	SM 2540D		1	479919	06/27/19 10:07	RAF	TAL BUF
Total/NA	Analysis	SM2540 C		1	480138	06/28/19 10:44	CSS	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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# Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

## Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

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# Method Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

**Protocol References:**

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: O'Brien & Gere Inc of North America  
Project/Site: Former Accurate Die Cast

Job ID: 480-155377-1


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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-155377-1	EFFLUENT	Water	06/24/19 07:15	06/25/19 08:00	

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**Chain of Custody Record**

<b>Client Information</b>		Sampler: <i>MARTIN KOENIGKE</i>		Lab PM: Deyo, Melissa L		Carrier Tracking No(s): <b>Syracuse</b>		COC No: 00-122370-10586.1	
Client Contact: Mr. Yuri Veliz		Phone: <i>315-729-1300</i>		E-Mail: melissa.deyo@testamericainc.com		Analysis Requested: <b>#225</b>		Page 1 of 1	
Company: O'Brien & Gere Inc of North America		Address: 333 West Washington St. PO BOX 4873		City: East Syracuse		State, Zip: NY, 13221		Job #:	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		PO #: 11900114		TAT Requested (days):		Due Date Requested:		Barcode:  480-155377 Chain of Custody	
Email: Yuri.Veliz@obg.com		WO #:		Project #: 48008584		Perform MS/MSD (Yes or No):		Total Number of Containers: <i>2</i>	
Project Name: Former Accurate Die Cast		SSOW#:		Field Filtered Sample (Yes or No):		2540D - Total Suspended Solids: <i>11</i>		Special Instructions/Note:	
Site:		Sample Date: <i>6-24-19</i>		Sample Time: <i>7:15</i>		Sample Type (C=Comp, G=grab): <i>C</i>		Matrix (W=water, S=solid, O=oil, BT=tissue, A=air): <i>Water</i>	
Sample Identification: <i>062419</i>		Sample Date: <i>6-24-19</i>		Sample Time: <i>7:15</i>		Sample Type (C=Comp, G=grab): <i>C</i>		Matrix (W=water, S=solid, O=oil, BT=tissue, A=air): <i>Water</i>	
Effluent		Sample Date: <i>6-24-19</i>		Sample Time: <i>7:15</i>		Sample Type (C=Comp, G=grab): <i>C</i>		Matrix (W=water, S=solid, O=oil, BT=tissue, A=air): <i>Water</i>	
Possible Hazard Identification: <i>Res</i>		Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month):		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months		Special Instructions/QC Requirements:	
Relinquished by: <i>Martin Koenigke</i>		Date: <i>6-24-19</i>		Relinquished by: <i>REINGLUB</i>		Date: <i>6-24-19 09:40</i>		Company: <i>SYS</i>	
Relinquished by: <i>REINGLUB</i>		Date: <i>6-24-19, 19:00</i>		Relinquished by: <i>COVILLI</i>		Date: <i>6/25/19 08:00</i>		Company: <i>FAB</i>	
Relinquished by:		Date:		Relinquished by:		Date:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: <i># 314</i>		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:	



## Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-155377-1

**Login Number: 155377**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Wallace, Cameron**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

