

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.

Daugles M. Crant L

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

Discharge Discharge Discharge Minimum Limitation Limitatio															equirements	Monitoring Re		
Daily Average Daily Maximum Frequency (1) Type 41/2019 4/5/2019 4/16/2019 4/16/2019 4/16/2019 4/17/2019 4/19/2019 4/25/2019															Minimum	Discharge	Discharge	
Flow (GPD) Monitor 150000 Continuous Meter 12421 12392 12366 9980 12363 12376 12381 12393 12385 12367 12399 12461 pH (SU) 6.5-8.5 2/Week Grab 7.4 7.4 7.3 7.3 7.3 7.3 7.3 7.3 7.4 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3	Effluent	Effluent	Effluent	Effluent	Sample	Measurement	Limitation	Limitation	Analyte (units)									
pH (SU) 6.5-8.5 2/Week Grab 7.4 7.4 7.3 7.3 7.3 7.3 7.3 7.4 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3 7.3	4/29/2019	4/26/2019	4/25/2019	4/23/2019	4/19/2019	4/17/2019	4/16/2019	4/15/2019	4/12/2019	4/10/2019	4/8/2019	4/5/2019	4/1/2019	Type	Frequency (1)	Daily Maximum	Daily Average	
Residue, non-filterable (mg/L)	12401	12461	12399	12367	12385	12393	12381	12376	12363	9980	12366	12392	12421	Meter	Continuous	150000	Monitor	Flow (GPD)
Mercury, total (mg/L)	7.4	7.3	7.3		7.3	7.3	7.4	7.3	7.3	7.3	7.3	7.4		Grab	2/Week		6.5-8.5	pH (SU)
Mercury, total (mg/L)	< 4 U			< 4 U				< 8.5 H		< 4 U			< 4 U	3-hr comp.	Weekly	20	Monitor	Residue, non-filterable (mg/L)
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	640 B			646 B				612 B		613			624	3-hr comp.	Weekly	Monitor	Monitor	Total dissolved solids (TDS) (mg/L)
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														3-hr comp.	Quarterly	0.0008	Monitor	Mercury, total (mg/L)
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 Tetrachloroethane (ug/L) Monitor 10 2/Month Grab 1 U 1 U Toluene (ug/L) Monitor 20 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																		1.45
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 Tetrachloroethane (ug/L) Monitor 10 2/Month Grab 1 U 1 U Toluene (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 Tetrachloroethane (ug/L) Monitor 10 2/Month Grab 1 U 1 U Toluene (ug/L) Monitor 20 2/Month Grab 1 U 1 U																		
Tetrachloreethene (ug/L) Monitor 10 2/Month Grab 1 U 1 U Toluene (ug/L) Monitor 20 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 1 U 1 U 1 U 1 U 1 U 1 U																		
								1 U					1 U	Grab	2/Month	10	Monitor	Trichloroethene (ug/L)

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

		Monitoring Re	equirements														
	Discharge	Discharge	Minimum														
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Daily Average	Daily Maximum	Frequency (1)	Type	5/1/2019	5/3/2019	5/6/2019	5/9/2019	5/10/201/9	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

		Monitoring Re	quirements												
	Discharge	Discharge	Minimum												
Analyte (units)	Limitation	Limitation	Measurement	Sample	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Daily Average	Daily Maximum	Frequency (1)	Type	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
Flow (GPD)	Monitor	150000	Continuous	Meter	11770	12571	12561	12544	12515	12522	12508	12478	12514	12602	12540
oH (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

eurofins

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

Designee for

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

melissa.deyo@testamericainc.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at: 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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	10
Lab Chronicle	11
Certification Summary	12
Method Summary	13
Sample Summary	14
Chain of Custody	15
Receipt Checklists	16

3

4

5

7

g

10

12

Definitions/Glossary

Client: O'Brien & Gere Inc of North America

Job ID: 480-151144-1

Project/Site: Former Accurate Die Cast

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)

Eurofins TestAmerica, Buffalo

4/12/2019

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-151144-1

Job ID: 480-151144-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

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.

3

4

6

6

10

13

14

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

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

Lab Sample ID: 480-151144-2

Client Sample ID: BETWEEN CARBONS 040119

No Detections.

Client Sample ID: EFFLUENT 040119 Lab Sample ID: 480-151144-3

No Detections.

Job ID: 480-151144-1

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

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

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

Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND 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

reicent Surroga	gate Reco
DCA BFB TOL D	DBFM
Lab Sample ID Client Sample ID (77-120) (73-120) (80-120) (75	(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)

<u>ی</u>

4

5

6

7

10

11

13

14

Job ID: 480-151144-1

Prep Type: Total/NA

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

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

Lab Sample ID: MB 480-465970/7 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 465970

-	MB	MB							
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 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

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

Lab Sample ID: LCS 480-465970/5

Matrix: Water

Analysis Batch: 465970

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

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

	LCS	LCS	
Surrogate	%Recovery	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

ND

Matrix: Water

Analysis Batch: 466156 мв мв Result Qualifier RL Unit Prepared Analyzed Dil Fac 1.0 04/04/19 03:14

1.0 mg/L

Lab Sample ID: LCS 480-466156/2 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Total Suspended Solids

A	nalysis batch: 400150								
		Spike	LCS	LCS				%Rec.	
A	nalyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
To	otal Suspended Solids	 245	246.8		mg/L		101	88 - 110	

Eurofins TestAmerica, Buffalo

Client Sample ID: Method Blank

Prep Type: Total/NA

Page 8 of 16

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 Client Sample ID: EFFLUENT 040119

Matrix: Water

Analysis Batch: 466156

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-466412/1

Matrix: Water

Analysis Batch: 466412

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

Lab Sample ID: LCS 480-466412/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 466412

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

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

QC Association Summary

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

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	

Job ID: 480-151144-1

Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-151144-1

Lab Sample ID: 480-151144-1

Matulus Water

Matrix: Water

Client Sample ID: EFFLUENT 040119
Date Collected: 04/01/19 07:20

Date Received: 04/02/19 01:00

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

Matrix: Water

Date Collected: 04/01/19 07:20 Date Received: 04/02/19 01:00

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

Client Sample ID: EFFLUENT 040119

Lab Sample ID: 480-151144-3

Matrix: Water

Date Collected: 04/01/19 07:20 Date Received: 04/02/19 01:00

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

Laboratory References:

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

7

10

11

13

14

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

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

3

4

5

Ω

9

12

13

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

3

4

9

10

12

19

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

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	

4

5

6

8

10

12

13

Environment Testing TestAmerica

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

J.

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

Designee for

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

····· Links ·····

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

2

3

6

7

0

10

13

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

4

5

6

8

10

11

13

Definitions/Glossary

Client: O'Brien & Gere Inc of North America

Job ID: 480-151799-1

Project/Site: Former Accurate Die Cast

Toxicity Equivalent Quotient (Dioxin)

Glossary

TEQ

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)

1

4

5

6

0

9

4 4

10

13

Case Narrative

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

Job ID: 480-151799-1

Job ID: 480-151799-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

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.

4

6

7

8

9

11

13

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		SM2540 C	Total/NA

4

0

9

10

12

13

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

Date Collected: 04/10/19 07:15 Date Received: 04/11/19 01:00 Lab Sample ID: 480-151799-1

Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	613		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

5

6

Q

9

11

16

Job ID: 480-151799-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

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

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

Lab Sample ID: MB 480-468058/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 468058

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

Lab Sample ID: LCS 480-468058/2 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 468058

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

Lab Sample ID: 480-151799-1 DU Client Sample ID: EFFLUENT 041019

Matrix: Water

Analysis Batch: 468058

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-468258/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 468258

мв мв

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

Lab Sample ID: LCS 480-468258/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 468258

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

Lab Sample ID: 480-151799-1 DU Client Sample ID: EFFLUENT 041019 Prep Type: Total/NA

Matrix: Water Analysis Batch: 468258

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

Eurofins TestAmerica, Buffalo

4/30/2019

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 Job ID: 480-151799-1

Project/Site: Former Accurate Die Cast

Date Received: 04/11/19 01:00

Client Sample ID: EFFLUENT 041019

Lab Sample ID: 480-151799-1 Date Collected: 04/10/19 07:15 **Matrix: Water**

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	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

-

4

5

0

10

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

Δ

J

7

0

10

11

4.0

Sample Summary

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

Job ID: 480-151799-1

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

3

Ω

9

10

13

Chain of Custody Record

TestAmerica Buffalo

TestAmerica

10 Hazelwood Drive Amherst, NY 14228-2298 Phone (716) 691-2600 Fax (716) 691-7991	Chain of Custody Record	Record	THE LEADER IN CHUMONAKENTAL TESTING
Client Information	19KIN Krennecke	Lab PM: Carrier Tracking No(s) Deyo, Melissa L.	s), COC No. 480-122360-10586.1
Cilent Contact Mr. Yuri Veliz	Phone 315- 739- 1300 meliss	E-Mail: melissa.deyo@testamericainc.com	Page. Page 1 of 1
Company O'Brien & Gere Inc of North America		Analysis Requested	, top #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:		Š
City: East Syracuse State, Zp: NY, 13221	TAT Requested (days):		A - HCL. M - Hexare B - NaOH N - Nore C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO#: 11800225		
Email: Yuri.Veliz@obg.com	WO#:	(oN	U - Acetone V - MCAA
Project Name: Former Accurate Die Cast	Project #: 48008584	los be	v - pri 4-5 Z - other (specify)
Site	SSOW#:	My OS	
Sample Identification	Sample Date Time Gardab norman service.	Pedrom MSIM MSIM MSIM MSIM MSIM MSIM MSIM MSI	of Custody
	Preserva	Z X	
Effluent 04/0/19	4-10-19 17:15 C Water		R
700		Svracuse	(t)
10-19			
7		#252	
ant	☐ Poison B ☐ Unknown ☐ Radiological	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Mor	oles are retained longer than 1 month) Archive For Months
Deliverable Requested: I, III, IV, Other (specify) Emotiv Kit Relinativehed by:	Date	Special Instructions/QC Requirements: Mathod of Shinment Times.	mani
Reinquested by Land	Date/Time: 000000000000000000000000000000000000	Received by: A. L. L. Da	DateTime.
Relinquished by Control of Contro	Medimos 07.61 61-01	Received by Affice Da	Oate/Time: Of Oloco Company Date/Time: Company
Custody Seals Intact: Custody Seal No.: A Yes A No		Cooler Temperature(s) °C and Other Remarks.	1,9 #1
			Ver. 08/04/2016

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

ordatori ridi por, indi odo b		
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	

4

6

7

9

11

13

Environment Testing TestAmerica

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

Muliss Duys

Authorized for release by:

6/3/2019 9:42:11 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

1

3

4

5

6

Q

9

11

12

1 1

Н

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	13
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	19

Δ

5

7

9

10

12

4

Definitions/Glossary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-152073-1

Qualifiers

General	Chemi	istrv

Qualifier	Qualifier Description

B Compound was found in the blank and sample.

H Sample was prepped or analyzed beyond the specified holding time

Duplicate Error Ratio (normalized absolute difference)

Glossary

DER

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

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)

3

4

5

8

3

1 1

12

14

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-152073-1

Job ID: 480-152073-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

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.

4

5

6

7

Ŏ

11

12

Detection Summary

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

Client Sample ID: Effluent 041519

Job ID: 480-152073-1

Lab Sample ID: 480-152073-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fa	ט ט	Method	Prep Type
Total Dissolved Solids	612	R	10.0	4.0	ma/l			SM2540 C	Total/NA

,,					•		_			
Total Dissolved Solids	612	В	10.0	4.0	mg/L		1	SM2540 C	Total/NA	
Client Sample ID: Effluent	041519					Lab S	an	nple ID: 48	0-152073-2	

No Detections.

4

5

0

9

11

13

14

Client Sample Results

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

Lab Sample ID: 480-152073-1

Metrice Metrice Metrice

Matrix: Water

Job ID: 480-152073-1

Client Sample ID: Effluent 041519

Date Collected: 04/15/19 07:20 Date Received: 04/17/19 19:00

General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	612	В	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	Н	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

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

Eurofins TestAmerica, Buffalo

Page 6 of 19

2

3

5

6

9

11

13

14

6/3/2019

Client Sample Results

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

Lab Sample ID: 480-152073-2

Matrix: Water

Job ID: 480-152073-1

Client Sample ID: Effluent 041519

Date Collected: 04/15/19 07:20 Date Received: 04/17/19 19:00

Method: 8260C - Volatile O	rganic Compo	unds by G	C/MS (Conti	nued)					
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

_			Pe	ercent Surre	ogate Reco
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(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-Dichloroet	thane-d4 (Surr)				

DBFM = Dibromofluoromethane (Surr) TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

8

10

11

13

4 E

QC Sample Results

Client: O'Brien & Gere Inc of North America Job ID: 480-152073-1 Project/Site: Former Accurate Die Cast

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

Lab Sample ID: MB 480-469386/7

Matrix: Water

Analysis Batch: 469386

Client Sampl	e ID:	Metho	d Blank	
P	rep T	ype:	Total/NA	

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

Eurofins TestAmerica, Buffalo

Page 9 of 19 6/3/2019

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

Lab Sample ID: LCS 480-469386/5

Matrix: Water

Matrix: Water

Analysis Batch: 469386

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 469386

Analysis Batch: 469366	Spike	LCS L	cs		%Rec.	
Analyte	Added	Result Q	ualifier Unit	D %Rec	Limits	
1,1,1-Trichloroethane	25.0	23.4	ug/L		73 - 126	
1,1,2,2-Tetrachloroethane	25.0	25.8	ug/L	103	76 - 120	
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	26.0	ug/L	104	61 - 148	
ne						
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

Page 10 of 19

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**

LCS LCS

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

0/ D - -

Analysis Batch: 469386

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

100 100

0-:1--

25.0 23.5 ug/L

%Recovery	Qualifier	Limits
100		77 - 120
89		73 - 120
88		75 - 123
98		80 - 120
	100 89 88	89 88

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

Lab Sample ID: MB 480-475418/1 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 475418

MB MB

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

Matrix: Water

Analysis Ratch: 475418

Alialysis batch. 4/5410								
-	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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 **Client Sample ID: Method Blank** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 469113

	MB	MR							
Analyte	Result	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 **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA**

Analysis Batch: 469113

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

Eurofins TestAmerica, Buffalo

6/3/2019

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

l	Analysis Batch: 469113								
	-	Sample	Sample	DU	DU				RPD
	Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
	Total Dissolved Solids	612	В	612.0		mg/L		 0	10

2

3

4

8

40

11

13

Н

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	

30-152073-1

3

4

5

7

9

40

11

4.6

4 4

Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-152073-1

Lab Sample ID: 480-152073-1

Matrix: Water

Matrix: Water

Client Sample ID: Effluent 041519

Date Collected: 04/15/19 07:20 Date Received: 04/17/19 19:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	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 Date Received: 04/17/19 19:00

Batch Batch Dilution Batch Prepared Method **Prep Type** Type Run **Factor** Number or Analyzed Analyst Lab Total/NA Analysis 8260C 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

3

4

5

7

9

10

12

13

a E

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

3

/

5

6

8

10

11

13

14

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

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	

3

-

6

0

9

11

40

14

Job Number: 480-152073-1

Client: O'Brien & Gere Inc of North America

Login Number: 152073 List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Velickovic, Zoran

oroaton vonokovic, 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 ampered 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	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and he 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	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
f 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	

Environment Testing TestAmerica

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

J

Authorized for release by: 5/13/2019 12:11:54 PM
Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

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

melissa.deyo@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Chacklists	14

-5

4

6

8

10

40

13

Definitions/Glossary

Client: O'Brien & Gere Inc of North America

Job ID: 480-152394-1

Project/Site: Former Accurate Die Cast

Qualifiers

RER

RPD

TEF

TEQ

RL

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

General Chemistry

Qualifier	Qualifier Description
В	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

-

- 5

7

Ŏ

10

11

45

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-152394-1

Job ID: 480-152394-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

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.

6

4

6

7

8

9

1 1

12

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		SM2540 C	Total/NA

4

5

8

9

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

Matrix: Water

Date Collected: 04/23/19 07:10 Date Received: 04/24/19 01:00

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	646	В	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

5

7

8

10

4.0

13

Job ID: 480-152394-1

Prep Type: Total/NA

Prep Type: Total/NA

Client: O'Brien & Gere Inc of North America

Project/Site: Former Accurate Die Cast

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

Lab Sample ID: MB 480-470282/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 470282

Prep Type: Total/NA мв мв

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

Lab Sample ID: LCS 480-470282/2 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 470282

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

Lab Sample ID: 480-152394-1 DU Client Sample ID: Effluent 042319

Matrix: Water

Analysis Batch: 470282

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-470333/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 470333

MB MB Analyte Result 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

Lab Sample ID: LCS 480-470333/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 470333

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

Eurofins TestAmerica, Buffalo

5/13/2019

QC Association Summary

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

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	

Job ID: 480-152394-1

Lab Chronicle

Client: O'Brien & Gere Inc of North America Job ID: 480-152394-1

Project/Site: Former Accurate Die Cast

Client Sample ID: Effluent 042319

Date Received: 04/24/19 01:00

Lab Sample ID: 480-152394-1 Date Collected: 04/23/19 07:10

Matrix: Water

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

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: 480-152394-1

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

152394-1

<u>۾</u>

9

10

12

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

6

-3

4

6

Ö

10

Sample Summary

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

Job ID: 480-152394-1

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

3

4

Q

9

10

12

13

TestAmerica

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228-2298 Phone (715) 691-2600 Fax (716) 691-7991	J	Chain of Custody Record	f Cust	ody R	ecord				THE LEADER IN ENVIRONMENTAL	DENTAL TESTING
Client Information	Sampler.	Koennee	ruke	Lab PM Deyo,	Melissa L		Carrier Tracking No(s)		COC No: 480-122366-10586.1	
Client Contact: Mr. Yuri Veliz	Phone: 315	-	300	E-Mail melis	sa.deyo@tes	E-Mail: melissa.deyo@testamericainc.com		<u>a</u> a.	Page. Page 1 of 1	
Company. O'Brien & Gere Inc of North America						Analysis	Analysis Requested	5	# qo	
Address. 333 West Washington St. PO BOX 4873	Due Date Requested:	ed:							Preservation Codes:	
City. East Syracuse State, Zp. NY, 13221	TAT Requested (days):	175):							H cetate c Acid SO4	NaO2 204S 2SO3
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO# 11900114									R - Na2S2O3 S - H2SO4 T - TSP Dodecabudrate
Email: Yuri,Veliz@obg.com	WO#:				sp (of	. (460-152394 Chain of Custody		-	U - Acetone V - MCAA
Project Name: Former Accurate Die Cast	Project #. 48008584				ed Soli	PANOSS		_	K-EDTA W-pi	14-5 er (specify)
Site:	SSOW#.				A) as	IO 1800			Other:	
Sample Identification	Sample Date	Sample	Sample Type (C=comp, G=grab)	Matrix (W-water, S-solid, O-wastefoll, BT-Tissue, A-AIP)	Field Filtered S Perform MS/M se400 - Total Su	2840C_Calcd - T		TedmuM latoT	Special Instructions/Note:	ions/Note:
	X	X	Preservation Code:	ion Code:	Z			×	\bigwedge	V
Effluent 043319	4.33.19	17:10	J	Water				18		
7						S.	/racuse			
3/ 20 //						76	本ののた			
1.53-11	/									
			/					-		
Possible Hazard Identification Non-Hazard Flammable Skin Irritant Deliverable Requested: I. III. IV. Other (specify)	☐ Poison B ☐ Unknown		Radiological		Special Ir	Sample Disposal (A fee may be ass:	be assessed if san Disposal By Lab rements:	nples are retaine	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Special Instructions/QC Requirements:	nth) Months
Emoty Kit Delinerished hv		Date			Time:		Method of Shipment	hipment		
Reinquispedby:	Date/Time; > /9	3.5/6		Company	Received by	, Ag pa	1 1010	7 :	Maduo 8-26-	コーク
Reinquished by:	Date/Time:	19		Company	Received	The second	2111	Date/Time:		C. J.J.
Relinquished by:				Company	Received by	ed by:		Je.		pany
Custody Seals Intact: Custody Seal No.:					Cooler	Cooler Temperature(s) °C and Other Remarks:	ther Remarks:	2.8	<u>_</u> #	
									Ver	Ver. 01/16/2019

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

orontori romonorio, moram		
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	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and he COC.	True	
Samples are received within Holding Time (Excluding tests with immediate ITs)	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	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
f 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	

А

5

0

0

10

12

13

Environment Testing TestAmerica

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

J.

Authorized for release by: 5/20/2019 2:38:49 PM
Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

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

melissa.deyo@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

4

5

7

a

10

12

13

Definitions/Glossary

Client: O'Brien & Gere Inc of North America

Job ID: 480-152725-1

Project/Site: Former Accurate Die Cast

Qualifiers

RER

RPD

TEF

TEQ

RL

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

General Chemistry

Qualifier	Qualifier Description
В	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

2

3

Δ

5

6

9

10

12

13

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-152725-1

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.

3

4

J

6

8

4 4

40

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		SM2540 C	Total/NA

4

5

7

8

10

11

13

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 Dis	solved Solids	640	В	10.0	4.0	mg/L			05/06/19 08:10	1
Analyte		Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Susp	pended Solids	ND		4.0	4.0	mg/L			05/03/19 21:56	1

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

Job ID: 480-152725-1

Prep Type: Total/NA

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

Lab Sample ID: MB 480-471187/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 471187

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

Lab Sample ID: LCS 480-471187/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 471187

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-471327/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 471327

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

Lab Sample ID: LCS 480-471327/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 471327

Spike LCS LCS %Rec. Analyte Added Result Qualifier %Rec Limits Unit **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	<u> </u>
MB 480-471327/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-471327/2	Lab Control Sample	Total/NA	Water	SM2540 C	

3

4

5

10

12

13

Lab Chronicle

Client: O'Brien & Gere Inc of North America Job ID: 480-152725-1

Project/Site: Former Accurate Die Cast

Client Sample ID: Effluent 042919

Date Received: 04/30/19 01:00

Lab Sample ID: 480-152725-1 Date Collected: 04/29/19 07:10

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
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

7-132123-1

3

4

5

7

9

10

12

13

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

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

3

Q

9

10

12

13

10 Hazelwood Drive	ਹ	nain o	f Cust	Chain of Custody Record	ecord	_				3
Amherst, NY 14226-2230 Phone (716) 691-2600 F&k (716) 691-7991								and the state of t	THE LEADER 28 ENGINORMENTAL	restrag.
	Sampler AK III		Koenneck.	Lab PW Deyo,	Lab PW Deyo, Melissa L	٦	Camer	Carner Tracking No(s).	COC No 480-122366-10586.1	
Clent Contact Mr. Yun Veliz	Phone 315-7	39	1300	E-Mar melis	sa deyo@	glestamer	E-Ma: melissa deyo@testamericainc.com		Page Page 1 of 1	
Company O'Brien & Gere Inc of North America							Analysis Requested	pe	Job #	1
Address 323 West Washington St. PO #OX 4873	Due Date Requested:								ion Codes:	
East Syracuse	TAT Requested (days)						-	-		
State, Zp NY, 13221									NaHSO4 Q Na2SSO3 MeOH R - Na2SSO3	
Phone 315-956-6100(Tel) 315-463-7 54(Fax)	11900114				(0)	spj			Ascorbic Acid T - TSP Dodecahydrale	ahydrafe
Email: Yun Veliz@obg.com	WO#				(on				Di Water V - MCAA	
Project Name. Former Accurate Die Cast	Project # 48008584				10 Se		480-152725 Chain of Custody	ustody	-	ry)
Sine	SSOW				A) as				Other:	
Sample identification	Sample Date	Sample	Sample Type (C=comp, G=grab)	Matrix (Wwater, 5-solid Owesteloff, 8T-Tissue, A-Ar)	Fleid Filtered : Perform MSM Perform Su 2540D - Total Su	2640C_Caled - 7			and more reported to the second secon	
		X	6 700 I	Preservation Code:	X	z				ore.
Effluent 04 39 19	4-37-19	1:10	2	Water		1			-	
					-	+				
							Syracuse	Э		
11 2 11		Calendary Commercial				1	400E			
61-62-6					1	1	#443			
	/-				+	+				
ant	Poison B Uinown		Radiological		Samp	He Disposal (A f	al (A fee may be assess	assessed if samples are retr	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months	
I. III, IV, O					Specia	al Instruct	Requireme			T
Empty Kit Relinquished by:		Dec: /			Time	6		Method of Shipment		T
Reinquistos Son Tr. La Conc. N. C.	State 19	13	55	Company		Received by:	JAK.	S Constitues 2	19-19 Pompan	
Reinquished by	Uate/Time	19/19	3.	2 house		Received by	Million (1160)	Date/Time	3019 6100	
Custody Seals Infact Custody Seal No.				A section		forana		Date/ime	Сопрэлу	
A Yes A No					8	oler Tempe	Cooler Temperature(s) "C and Other Remarks	2.5	+	

TestAmerica

Chain of Custody Record

TestAmerica Buffalo

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America Job Number: 480-152725-1

Login Number: 152725 List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Velickovic, Zoran

oroator: Foliono Fio, morali		
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	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and he COC.	True	
Samples are received within Holding Time (Excluding tests with immediate ITs)	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	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in liameter.	True	
f 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	

3

4

6

0

9

11

. .

Environment Testing TestAmerica

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

The

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

Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

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

melissa.deyo@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

19

13

14

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	20
Lab Chronicle	21
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
Receipt Checklists	26

3

4

Q

9

11

12

14

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.

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

Contains Free Liquid CFL **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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin)

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

PQL Practical Quantitation Limit

QC **Quality Control**

Relative Error Ratio (Radiochemistry) **RER**

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)

5/13/2019

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-152812-1

Job ID: 480-152812-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

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.

4

5

6

0

9

10

12

1 A

Detection Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-152812-1

050119					Lab San	nple ID: 4	80-152812-1
Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
310		8.0	3.7	ug/L		8260C	Total/NA
050119					Lab San	nple ID: 4	80-152812-2
Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
140		2.0	0.92	ug/L		8260C	Total/NA
050119					Lab San	nple ID: 4	80-152812-3
Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
6.2		5.0	4.1	ug/L		8260C	Total/NA
3.1	J	5.0	2.2	ug/L	5	8260C	Total/NA
140		5.0	2.3	ug/L	5	8260C	Total/NA
050119					Lab San	nple ID: 4	80-152812-4
Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
290		20	16	ug/L	20	8260C	Total/NA
960		20	9.2	ug/L	20	8260C	Total/NA
	310 050119 Result 140 050119 Result 6.2 3.1 140 050119 Result 290	Result Qualifier	Result Qualifier RL 310 8.0 050119 Result Qualifier RL 140 2.0 050119 Result Qualifier RL 6.2 5.0 3.1 J 5.0 140 5.0 050119 Result Qualifier RL 290 20	Result Qualifier RL MDL 310 8.0 3.7 050119 Result Qualifier RL MDL MDL 2.0 0.92 050119 Result Qualifier RL MDL MDL 5.0 2.2 140 5.0 2.3 050119 Result Qualifier RL MDL MDL 290 20 16	Result Qualifier RL MDL Unit ug/L	Result Qualifier RL MDL Unit Unit Box Dil Fac Di	Result Qualifier RL MDL Unit Dil Fac D Method 8260C

This Detection Summary does not include radiochemical test results.

5/13/2019

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

Lab Sample ID: 480-152812-1

Matrix: Water

6

Job ID: 480-152812-1

Client Sample ID: MW 11 050119
Date Collected: 05/01/19 11:00

Chloroform

Chloromethane

Cyclohexane

Ethylbenzene

Methyl acetate

Styrene

Toluene

Isopropylbenzene

Methyl tert-butyl ether

Methylcyclohexane

Methylene Chloride

Tetrachloroethene

Trichloroethene

Vinyl chloride

Xylenes, Total

trans-1.2-Dichloroethene

Trichlorofluoromethane

trans-1,3-Dichloropropene

cis-1,2-Dichloroethene

cis-1,3-Dichloropropene

Dibromochloromethane

Dichlorodifluoromethane

Date Received: 05/02/19 01:00 Method: 8260C - Volatile Organic Compounds by GC/MS **MDL** Unit Dil Fac RL Analyte Result Qualifier D Prepared Analyzed 1,1,1-Trichloroethane $\overline{\mathsf{ND}}$ 8.0 6.6 ug/L 05/10/19 03:52 1.1.2.2-Tetrachloroethane ND 8.0 05/10/19 03:52 8 1.7 ug/L ND 8 1,1,2-Trichloro-1,2,2-trifluoroethane 8.0 2.5 ug/L 05/10/19 03:52 1,1,2-Trichloroethane ND 8.0 1.8 ug/L 05/10/19 03:52 8 ND 3.0 8 1,1-Dichloroethane 8.0 ug/L 05/10/19 03:52 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 ND 8 1,2-Dibromoethane 8.0 5.8 ug/L 05/10/19 03:52 1,2-Dichlorobenzene 8.0 8 ND 6.3 ug/L 05/10/19 03:52 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 8 1,3-Dichlorobenzene ND 8.0 6.2 ug/L 05/10/19 03:52 1,4-Dichlorobenzene ND 8.0 6.7 ug/L 05/10/19 03:52 8 2-Butanone (MEK) ND 80 8 11 ug/L 05/10/19 03:52 2-Hexanone ND 40 9.9 ug/L 05/10/19 03:52 8 4-Methyl-2-pentanone (MIBK) ND 40 05/10/19 03:52 8 17 ug/L 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 8 Bromodichloromethane ND 8.0 3.1 ug/L 05/10/19 03:52 Bromoform ND 8.0 2.1 ug/L 05/10/19 03:52 8 Bromomethane ND 8.0 5.5 R ug/L 05/10/19 03:52 Carbon disulfide NΩ 8.0 1.5 ug/L 05/10/19 03:52 8 Carbon tetrachloride 2.2 8 ND 8.0 ug/L 05/10/19 03:52 Chlorobenzene ND 8.0 6.0 ug/L 05/10/19 03:52 8 Chloroethane ND 8.0 2.6 05/10/19 03:52 ug/L

8.0

80

8.0

8.0

8.0

8.0

8.0

8.0

8.0

20

8.0

8.0

8.0

8.0

8.0

8.0

8.0

8.0

8.0

8.0

8.0

16

2.7 ug/L

2.8 ug/L

6.5 ug/L

2.9 ug/L

1.4 ug/L

2.6 ug/L

5.4 ug/L

5.9 ug/L

6.3 ug/L

10 ug/L

1.3

1.3 ug/L

5.8 ug/L

2.9 ug/L

4.1 ug/L

3.0 ug/L

3.7 ug/L

7.0 ug/L

3.5 ug/L

7.2 ug/L

7.2 ug/L

5.3 ug/L

ug/L

ND

310

ND

ND

ND

8 05/10/19 03:52 8 8 05/10/19 03:52 05/10/19 03:52 8 05/10/19 03:52 8 05/10/19 03:52 8 05/10/19 03:52 8 05/10/19 03:52 05/10/19 03:52 8 8 05/10/19 03:52 8 05/10/19 03:52 05/10/19 03:52 8 05/10/19 03:52 8 8 05/10/19 03:52 05/10/19 03:52 8 8 05/10/19 03:52 05/10/19 03:52 8 05/10/19 03:52 8 8 05/10/19 03:52 05/10/19 03:52 8 R 05/10/19 03:52

8

8

5/13/2019

Eurofins TestAmerica, Buffalo

05/10/19 03:52

05/10/19 03:52

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

Client Sample ID: MW 11 050119

Lab Sample ID: 480-152812-1

Matrix: Water

Job ID: 480-152812-1

Date Collected: 05/01/19 11:00 Date Received: 05/02/19 01:00

Surrogate	%Recovery Q	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

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	2.0		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		ug/L			05/09/19 23:38	2
Methyl acetate	ND	5.0		ug/L			05/09/19 23:38	2
Methyl tert-butyl ether	ND	2.0	0.32	-			05/09/19 23:38	2
Methylcyclohexane	ND	2.0	0.32				05/09/19 23:38	2
Methylene Chloride	ND	2.0		ug/L			05/09/19 23:38	2

Eurofins TestAmerica, Buffalo

Page 7 of 26

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

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

Job ID: 480-152812-1

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

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene		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
Trichloroethene	140	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 Q	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

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

Lab Sample ID: 480-152812-3

Client Sample ID: MW 24 050119 Date Collected: 05/01/19 12:45 **Matrix: Water** Date Received: 05/02/19 01:00

Job ID: 480-152812-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	6.2		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
Methylene Chloride	3.1	J	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
Trichloroethene	140		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

Lab Sample ID: 480-152812-4 Client Sample ID: MW 18 050119 Date Collected: 05/01/19 13:00 **Matrix: Water**

Date Received: 05/02/19 01:00

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

Page 9 of 26 5/13/2019

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

Lab Sample ID: 480-152812-4

Matrix: Water

Job ID: 480-152812-1

Client Sample ID: MW 18 050119

Date Collected: 05/01/19 13:00 Date Received: 05/02/19 01:00

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
cis-1,2-Dichloroethene	290		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		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		ug/L			05/10/19 01:07	20
Toluene	ND		20		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		ug/L			05/10/19 01:07	20
Trichloroethene	960		20	9.2	ug/L			05/10/19 01:07	20
Trichlorofluoromethane	ND		20		ug/L			05/10/19 01:07	20
Vinyl chloride	ND		20		ug/L			05/10/19 01:07	20
Xylenes, Total	ND		40		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

			Pe	rcent Surro	gate Recovery (A	Acceptance Limits)
		DCA	BFB	DBFM	TOL	
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)	
180-152812-1	MW 11 050119	101	101	104	94	
180-152812-2	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	
_CS 480-472092/5	Lab Control Sample	97	105	104	100	
_CS 480-472158/5	Lab Control Sample	94	95	89	102	
_CS 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)

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 Samp	DIE ID:	Metho	d Blank	
	Prep '	Type: T	otal/NA	

Analyte	Pocult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L		riepaieu	05/09/19 22:18	1
1,1,2,2-Tetrachloroethane	ND ND		1.0		ug/L ug/L			05/09/19 22:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			05/09/19 22:18	1
1,1,2-Trichloroethane	ND		1.0		ug/L			05/09/19 22:18	
1,1-Dichloroethane	ND ND		1.0		ug/L ug/L			05/09/19 22:18	1
1,1-Dichloroethene	ND ND		1.0		-			05/09/19 22:18	
1,2,4-Trichlorobenzene	ND		1.0		ug/L ug/L			05/09/19 22:18	
					-				1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			05/09/19 22:18	1
1,2-Dibromoethane	ND		1.0		ug/L			05/09/19 22:18	1
1,2-Dichlorobenzene	ND		1.0		ug/L			05/09/19 22:18	1
1,2-Dichloroethane	ND		1.0		ug/L			05/09/19 22:18	1
1,2-Dichloropropane	ND		1.0		ug/L			05/09/19 22:18	1
1,3-Dichlorobenzene	ND		1.0		ug/L			05/09/19 22:18	1
1,4-Dichlorobenzene	ND		1.0		ug/L			05/09/19 22:18	1
2-Butanone (MEK)	ND		10		ug/L			05/09/19 22:18	
2-Hexanone	ND		5.0		ug/L			05/09/19 22:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			05/09/19 22:18	1
Acetone	ND		10		ug/L			05/09/19 22:18	1
Benzene	ND		1.0		ug/L			05/09/19 22:18	1
Bromodichloromethane	ND		1.0		ug/L			05/09/19 22:18	1
Bromoform	ND		1.0		ug/L			05/09/19 22:18	1
Bromomethane	ND		1.0		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		ug/L			05/09/19 22:18	1
Chlorobenzene	ND		1.0		ug/L			05/09/19 22:18	1
Chloroethane	ND		1.0		ug/L			05/09/19 22:18	1
Chloroform	ND		1.0		ug/L			05/09/19 22:18	1
Chloromethane	ND		1.0		ug/L			05/09/19 22:18	1
cis-1,2-Dichloroethene	ND		1.0		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		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		ug/L			05/09/19 22:18	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			05/09/19 22:18	1
Trichloroethene	ND		1.0		ug/L			05/09/19 22:18	1
Trichlorofluoromethane	ND		1.0		ug/L			05/09/19 22:18	1
Vinyl chloride	ND		1.0		ug/L			05/09/19 22:18	1
Xylenes, Total	ND		2.0		ug/L			05/09/19 22:18	1

Eurofins TestAmerica, Buffalo

Page 12 of 26

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

Lab Sample ID: LCS 480-472092/5

Matrix: Water

Analysis Batch: 472092

Client Sample ID: Method Blank

Prep Type: Total/NA

	MR MB				
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
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

Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA Analysis Batch: 472092

Analysis Batch: 472092	Spike	LCS LCS	}		%Rec.
Analyte	Added	Result Qua	lifier Unit	D %Rec	Limits
1,1,1-Trichloroethane	25.0	26.5	ug/L		73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5	ug/L	94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	26.7	ug/L	107	61 - 148
ne 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 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 ug/L	98	79 - 122 56 - 134
1,2-Dibromoethane	25.0	25.5	ug/L	102	77 ₋ 120
1,2-Diblomoethane 1,2-Dichlorobenzene	25.0	24.3		97	80 - 124
1,2-Dichloroethane	25.0	24.3	ug/L ug/L	97 95	75 ₋ 120
1,2-Dichloropropane	25.0	23.8	ug/L ug/L	95 95	76 - 120 76 - 120
	25.0	24.3	•	95	70 - 120 77 - 120
1,3-Dichlorobenzene			ug/L		
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

5/13/2019

Page 13 of 26

2

3

+

6

8

10

12

14

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

, , , , , , , , , , , , , , , , , , , ,	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery	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

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Analysis Batch: 472158

	MB	MB							
Analyte	Result	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
I control of the cont									

Eurofins TestAmerica, Buffalo

Page 14 of 26

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

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

MB MB

Surrogate	%Recovery Qualif	ier Limits	Prepared Analyz	ed 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

Analysis Batch: 472158	0						0/ 🗖
	Spike		LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%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-trifluoroetha	25.0	25.1		ug/L		100	61 - 148
ne							
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

Page 15 of 26

Spike

LCS LCS

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

%Rec.

Prep Type: Total/NA

	Spike	LUS	LUS		MRec.	
Analyte	Added	Result	Qualifier Unit	D %Rec	Limits	
2-Hexanone	125	139	ug/L		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	

25.0

25.0

24.3

26.0

ug/L

ug/L

LCS LCS

Surrogate	%Recovery	Qualifier	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

Trichlorofluoromethane

Vinyl chloride

Analysis Batch: 472168

Client Sample ID: Method Blank

62 - 150

65 - 133

104

Prep Type: Total/NA

	IVID	IVID							
Analyte	Result	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
1,1,2,2-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

Page 16 of 26

5/13/2019

RL

MDL Unit

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)

MB MB

Result Qualifier

Lab Sample ID: MB 480-472168/9

Matrix: Water

Analyte

Vinyl chloride

Xylenes, Total

Analysis Batch: 472168

Client Sample ID: Method Blank

Prep Type: Total/NA

D	Prepared	Analyzed	Dil Fac
_		05/09/19 23:42	1

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

	MB MB				
Surrogate	%Recovery 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

1.0

2.0

0.90 ug/L

0.66 ug/L

ND

ND

Eurofins TestAmerica, Buffalo

05/09/19 23:42

05/09/19 23:42

Page 17 of 26

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

Lab Sample ID: LCS 480-472168/5

Matrix: Water

Analysis Batch: 472168

Client Sample ID: Method Blank

Prep Type: Total/NA

MB MB

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 472168

	Spike	LCS LCS			%Rec.	
Analyte	Added	Result Qualifie	r Unit	D %Rec	Limits	
1,1,1-Trichloroethane	25.0	30.4	ug/L		73 - 126	
1,1,2,2-Tetrachloroethane	25.0	24.1	ug/L	96	76 - 120	
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	27.0	ug/L	108	61 - 148	
ne						
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 ug/L	128	75 ₋ 125	
Dichlorodifluoromethane	25.0	26.4	ug/L ug/L	106	79 - 125 59 - 135	
	25.0	25.6		100	77 - 123	
Ethylbenzene	25.0 25.0	24.8	ug/L	99	77 - 123 77 - 122	
Isopropylbenzene Methyl gestate	25.0 50.0		ug/L	99 92		
Methyl acetate		45.8	ug/L		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

Page 18 of 26

9

3

_

6

8

9

11

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)

111

104

Lab Sample ID: LCS 480-472168/5

Matrix: Water

Analysis Batch: 472168

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

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	
	LCS	LCS						
Surrogate	%Recovery	Qualifier	Limits					
1,2-Dichloroethane-d4 (Surr)	111		77 - 120					

75 - 123

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	<u> </u>
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	

5

4

_

9

10

13

14

Lab Chronicle

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

Client Sample ID: MW 11 050119 Lab Sample ID: 480-152812-1 Date Collected: 05/01/19 11:00

Matrix: Water

Job ID: 480-152812-1

Batch Batch Dilution Batch **Prepared**

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

Client Sample ID: MW 10 050119 Lab Sample ID: 480-152812-2 **Matrix: Water**

Date Collected: 05/01/19 13:00 Date Received: 05/02/19 01:00

Date Received: 05/02/19 01:00

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

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

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

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

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run **Factor** Number or Analyzed Analyst Lab Total/NA Analysis 8260C 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

4

<u>۾</u>

9

11

10

14

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

G

3

4

5

6

9

4 4

12

13

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

3

4

0

10

11

13

14

eurofins E Ament Testing Testing

Chain of Custody Aecord

tAmerica, Buffalo

Eurofins 'tAmerica, Buffalk
10 Hazelwoc ,e
Amherst, NY 14228-2288
Phone (716) 691-2600 Fax (716) 691-7991

Client Information	Sampler, MAKTIN		Coernecko		Lab PM. Deyo, Melissa L	Carrier Tracking No(s)	COC No. 480-129733-12806.1
Client Contact. Mr. Yuri Veliz	Phone: 3/5-	1-686	300	E-Mail melis	E-Mail melissa.deyo@testamericainc.com	mericainc.com	Page: Page 1 of 1
Company O'Brien & Gere Inc of North America						Analysis Requested	Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	ed:					
City: East Syracuse	TAT Requested (days	ays);					B- NaCH N- None C-Zn Acetate O- AsNaO2
State, Zip: NY, 13221							
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO#: 11900114						
Email: Yuri.Veliz@obg.com	WO#				(0)	480-152812 Chain of Custody	I - Ice J - Di Water
Project Name. Former Accurate Die Cast.	Project #: 48008584				_		L-EDA
Site:	#MOSS				A) as		Other:
Sample Identification	Sample Date	Sample	Sample Type (C=comp, G=grab)	Matrix (W-water, S-solid, O-waste/ell, BT-Tissue, A-AIr)	Field Filtered S Rational MS/Ms Rational Filtered S		Total Number or Special Instructions/Note:
	X	\triangle		on Code:	X		
PIN 11 050119	5-1-19	11:00	0	Water	w		m
MW 10 050119	5-1-19	11:30	9	Water	W		M
MW 24 050119	5-1-19	13.45	9	Water	3		M
MW 18 050119	5-1-19	13:00	9	Water	W	SVracise	7
-				Water		5	
						#222	
1-1-1							
	/						
toe	Doison B		Radiological		Sample Dis	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Application Disposal BU ab Archive For Month Application Application	es are retained longer than 1 month)
1		1	na farancia de la companya de la com		Special Inst	Requirem	
Empty Kit Relinquished by:		Date: /			Time:	Method of Shipment	nent
Relinquished by Consider	Date/Time: 19	/13	35	Company (6 Received by	El Shan	Date 17 1 355 Company
Relinquished by PETISIN &	,	9. 19	100	Company	Received by	Munch	102/19 0100
	Date/Time:			Company	Received by		Date/Time. Company
Custody Seals Intact: Custody Seal No.:					Cooler T	Cooler Temperature(s) °C and Other Remarks:	146
							Ver. 01/16/2019

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

ordator: Volicitovio, Editari		
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

TestAmerica

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:

eurofins

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

Attn: Mr. David J Carnevale

J-

Authorized for release by: 5/29/2019 3:17:52 PM
Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

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

melissa.deyo@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

3

4

5

7

8

11

14

1/

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	12
Lab Chronicle	13
Certification Summary	14
Method Summary	15
Sample Summary	16
Chain of Custody	17
Receipt Checklists	18

3

4

6

8

9

11

12

14

Definitions/Glossary

Client: O'Brien & Gere Inc of North America Job ID: 480-153338-1 Project/Site: Former Accurate Die Cast

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

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** Compound was found in the blank and sample.

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 Contains No Free Liquid **CNF**

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

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) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit Minimum Level (Dioxin) ML

Not Calculated NC

Not Detected at the reporting limit (or MDL or EDL if shown) ND

PQL Practical Quantitation Limit

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

Relative Percent Difference, a measure of the relative difference between two points **RPD**

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

Job ID: 480-153338-1

Laboratory: Eurofins TestAmerica, Buffalo

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.

3

4

_

J

6

ö

4.6

1 1

12

14

Detection Summary

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

Job ID: 480-153338-1

Lab Sample ID: 480-153338-4

Client Sample ID: EFFLUI	ENT 050919		Lab Sample ID: 480-153						
- Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	636	В	10.0	4.0	mg/L	1	_	SM2540 C	Total/NA
Client Sample ID: BETWE	EN CARBONS	050919				Lak	S	ample ID:	480-153338-
- 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: EFFLUI	ENT 050919					Lat	S	ample ID:	480-153338-

No Detections.

No Detections.

Client Sample ID: Trip Blank

9

11

13

14

Job ID: 480-153338-1

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

Lab Sample ID: 480-153338-1

Lab Sample ID: 480-153338-2

Matrix: Water

Matrix: Water

Client Sample ID: EFFLUENT 050919

Date Collected: 05/09/19 11:10 Date Received: 05/10/19 05:00

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	636	В	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

Date Collected: 05/09/19 11:10

Date Received: 05/10/19 05:00

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

Date Collected: 05/09/19 11:10

Date Received: 05/10/19 05:00

Lab Sample ID: 480-1533	338-3
-------------------------	-------

Matrix: Water

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND 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 b	y 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

Page 6 of 18

5/29/2019

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 Orga	nic Compounds b	y 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 Sur	rogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(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)

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

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

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

Lab Sample ID: LCS 480-473463/5

Matrix: Water

Analysis Batch: 473463

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

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit %Rec Limits 25.0 1,1,2,2-Tetrachloroethane 22.8 91 76 - 120 ug/L cis-1,2-Dichloroethene 25.0 23.4 ug/L 94 74 - 124 Methylene Chloride 25.0 21.0 84 75 - 124 ug/L 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

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

Client Sample ID: Method Blank Lab Sample ID: MB 480-473527/7

Matrix: Water

Analysis Batch: 473527

-	MB	MB							
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 10:16	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

Page 9 of 18

Eurofins TestAmerica, Buffalo

Prep Type: Total/NA

Job ID: 480-153338-1

Client: O'Brien & Gere Inc of North America

Project/Site: Former Accurate Die Cast

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

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

Lab Sample ID: LCS 480-473527/5 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 473527

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS Surrogate %Recovery 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

MB MB Result Qualifier RLAnalyte **RL** Unit D Dil Fac Prepared Analyzed 1 0 05/16/19 12:00 **Total Suspended Solids** ND 1.0 mg/L

Lab Sample ID: LCS 480-473197/2

Matrix: Water Analysis Batch: 473197

Total Suspended Solids

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

Spike LCS LCS %Rec. Added Result Qualifier Unit %Rec Limits 253 246.8 97 88 - 110 mg/L

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-473125/1

Matrix: Water

Analyte

Analysis Batch: 473125

мв мв

Result 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

Eurofins TestAmerica, Buffalo

Client Sample ID: Method Blank

Prep Type: Total/NA

QC Sample Results

Client: O'Brien & Gere Inc of North America Job ID: 480-153338-1 Project/Site: Former Accurate Die Cast

Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: LCS 480-473125/2 **Client Sample ID: Lab Control Sample Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 473125

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

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

Analy	/sis	Batch	: 473	463

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 480-153338-1	Client Sample ID EFFLUENT 050919	Prep Type Total/NA	Matrix Water	Method SM2540 C	Prep Batch
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	

5

9

10

12

13

14

Lab Chronicle

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

Lab Cample ID: 400 452220

Lab Sample ID: 480-153338-1

Lab Sample ID: 480-153338-2

Lab Sample ID: 480-153338-3

Lab Sample ID: 480-153338-4

Matrix: Water

Matrix: Water

Matrix: Water

Matrix: Water

Job ID: 480-153338-1

Client Sample ID: EFFLUENT 050919

Date Collected: 05/09/19 11:10 Date Received: 05/10/19 05:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	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

Date Collected: 05/09/19 11:10

Date Received: 05/10/19 05:00

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

Client Sample ID: EFFLUENT 050919

Date Collected: 05/09/19 11:10

Date Received: 05/10/19 05:00

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

Client Sample ID: Trip Blank

Date Collected: 05/09/19 00:00

Date Received: 05/10/19 05:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	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

6

9

11

13

14

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

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

4

5

6

7

Ö

9

11

12

1 *1*

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	Asse
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	

9

4

E

6

8

9

4 4

12

4 4

Client Information	MARIN	Koennea	wecker		Deyo, Melissa L					480-122339-10588.1	0588.1
Client Contact: Mr. Yuri Veliz	Phone: 3/5.17	1- 68	300	E-Mail: melis	ssa.deyo@	testan	E-Mail: melissa.deyo@testamericainc.com			Page: Page 1 of 1	
Company: O'Brien & Gere Inc of North America							Analy	Analysis Requested		, dob #	
Address: 333 West Washington St. PO BOX 4873	Due Date Requested	;pe								vation Codes	Codes:
City East Syracuse State, Zip: NY, 13221	TAT Requested (days):	1ys):								H cetate :: Acid 504	M - Hexane N - None O - AshaOZ P - Na2O4S Q - Na2SO3
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO# 11900114 WO#				(0			480-153338 Chain of Custody	ustody		
Tun, Veliz@oog.com Project Name: Former Accurate Die Cast	Project #: 48008584				Yes or N		omp Comp			K-EDTA L-EDA	W - pH 4-5 Z - other (specify)
one.	#ANOOR	Sample	Sample Type (C=comp,	Matrix (W-water, S-soild,	ld Filtered Sam) J GSM/SM mot Total Suspension - 00	letoT - bolsD_D0	oc - Volatile Orga			tal Number of co	
Sample Identification	Sample Date	Time		S=grab) BT=Tissue, A-Air Preservation Code.	ed X	-	928				Special Instructions/Note:
Effluent 050919	5-9-19	11:10	7	Water		_	c			CA	
Between Carbons 050919	67-6-5	11:10	e	Water			3			50	
EACLURIT 050919	5-9-19	11:10	(3)	Kuten			3			m	
						-		Syract	JSe		
as								4005	L		
5-8-19								# 44	0		
	/										
	/				ŧ	+					
Possible Hazard Identification	Doison B Introven		Radiological		Samp	le Dis	le Disposal (A fee	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	f samples are	retained longer tha	an 1 month)
V, Other (specify)					Speci	al Instr	Special Instructions/QC Requirements	equirements:			
Empty Kit Relinquished by:		Date/			Time:			Metho	Method of Shipment		
Relinguished by Lecus he	Date/Time: 19	1/	3:55	Company	S R	Received b	2111	4114	Date/Time:	-19, 13!	Company
Relinquished by. Ref. 1911. B. Relinquished by.	Date/Time:	3/18	100	Company	ă ă	Received by	Muce	7	Date/Time:	Dero , 61-	Company Company
Custody Seals Intact: Custody Seal No.:					8	poler Tel	nperature(s) °C a	Cooler Temperature(s) °C and Other Remarks:	R. 4.	/ *	
A											Ver. 01/16/2019

🔆 eurofins

Chain of Custody , kecord

Eurofins tAmerica, Buffalo

Amherst, NY 14228-2298 Phone (716) 691-2600 Fax (716) 691-7991

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

oroator: Foliono Fio, morali		
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	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and he COC.	True	
Samples are received within Holding Time (Excluding tests with immediate ITs)	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	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
f 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	

2

4

5

0

10

12

10

TestAmerica

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

or:

eurofins

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

Attn: Mr. David J Carnevale

T

Authorized for release by: 6/6/2019 5:06:23 PM Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

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

melissa.deyo@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

12

13

14

11-5

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	10
Lab Chronicle	11
Certification Summary	12
Method Summary	13
Sample Summary	14
Chain of Custody	15
Receipt Checklists	16

3

4

6

9

10

12

13

Definitions/Glossary

Client: O'Brien & Gere Inc of North America Job ID: 480-153785-1

Project/Site: Former Accurate Die Cast

Toxicity Equivalent Quotient (Dioxin)

Glossary

TEQ

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)

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-153785-1

Job ID: 480-153785-1

Laboratory: Eurofins TestAmerica, Buffalo

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.

3

А

_

D

6

0

10

11

13

14

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

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

Client Sample ID: EFFLUENT 052019

Lab Sample ID: 480-153785-2

No Detections.

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

Date Collected: 05/20/19 07:15 Date Received: 05/21/19 09:30

Lab Sample ID: 480-153785-1

Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	599		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

Date Collected: 05/20/19 07:15

Date Received: 05/21/19 09:30

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

Matrix: Water

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

Surrogate	%Recovery Q	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 Su	rrogate Rec
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(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					
		103	100	101	104

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Job ID: 480-153785-1

Prep Type: Total/NA

Client: O'Brien & Gere Inc of North America

Project/Site: Former Accurate Die Cast

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

Lab Sample ID: MB 480-474842/8 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 474842

_	МВ	MB							
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 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	ua/l			05/28/19 11:49	

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

Lab Sample ID: LCS 480-474842/6

Matrix: Water

Analysis Batch: 474842

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

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits 25.0 25.0 100 76 - 120 1,1,2,2-Tetrachloroethane ug/L cis-1,2-Dichloroethene 25.0 23.8 95 74 - 124 ug/L Methylene Chloride 25.0 22.6 90 75 - 124 ug/L 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

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

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

Lab Sample ID: MB 480-474650/1 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 474650

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

Lab Sample ID: LCS 480-474650/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 474650

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

Eurofins TestAmerica, Buffalo

Page 8 of 16

QC Sample Results

Client: O'Brien & Gere Inc of North America

Job ID: 480-153785-1

Prep Type: Total/NA

Prep Type: Total/NA

Project/Site: Former Accurate Die Cast

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-474585/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 474585 MB MB

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

Matrix: Water

Analysis Batch: 474585

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

Lab Sample ID: 480-153785-1 DU Client Sample ID: EFFLUENT 052019

Matrix: Water

Analysis Batch: 474585

	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		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	- <u></u> -
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

Lab Sample ID: 480-153785-1

Matrix: Water

Job ID: 480-153785-1

Client Sample ID: EFFLUENT 052019 Date Collected: 05/20/19 07:15

Date Received: 05/21/19 09:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	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

Batch Batch Dilution Batch Prepared Prep Type Type Method Factor Number or Analyzed Run Analyst Lab Total/NA Analysis 8260C 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

85_1

6

8

46

11

40

14

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

6

7

8

9

11

12

1A

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	

3

4

5

9

10

19

13

14

TestAmerica

Chain of Custody Record

Phone (716) 691-2600 Fax (716) 691-7991

Amherst, NY 14228-2298

10 Hazelwood Drive

TestAmerica Buffalo

Ver. 01/16/2019 Special Instructions/Note: Z - other (specify) Months M - Hexane Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon 480-122349-10587.1 Preservation Codes: Custody Page 1 of 1 480-153785 Chain of L-EDA Total Number of containe sthod of Shipment Svracuse #222 Analysis Requested cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements Lab PM: Deyo, Melissa L E-Maii: melissa deyo@testamericainc.com m 3260C - Volatile Organic Compounds 2640C_Calcd - Total Dissolved Solids N hybotus Matrix Water Preservation Code MARIN KOENNERKY Radiological (C=comb, G=grab) 10 25 Sample Type 100 Mone: 315 -139-1300 Sample Time Date Unknown (AT Requested (days) 5-20-19 Date/Time. Due Date Requested: 1.01.5 Sample Date 5-30-19 5-30-19 PO#: 11900114 Project #: 48008584 SSOW#: Poison B 100 Skin frritant eliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. 333 West Washington St. PO BOX 4873 315-956-6100(Tel) 315-463-7554(Fax) 052019 Non-Hazard Flammable O'Brien & Gere Inc of North America Possible Hazard Identification 053019 Empty Kit Relinquished by: Former Accurate Die Cast Custody Seals Intact: Client Information Sample Identification Yuri.Veliz@obg.com EHLENT will nquished by East Syracuse Mr. Yuri Veliz NY, 13221 ffluent

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

Creator. Wanace, 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	

4

6

7

9

11

13

Environment Testing TestAmerica

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

J

Authorized for release by: 6/3/2019 11:49:57 AM Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

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

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

3

4

6

Ω

9

11

12

13

Definitions/Glossary

Client: O'Brien & Gere Inc of North America

Job ID: 480-153811-1

Project/Site: Former Accurate Die Cast

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)

K

4

5

7

8

10

11

12

13

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-153811-1

Job ID: 480-153811-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

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.

3

O

Ω

9

- -

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		SM2540 C	Total/NA

4

6

_

9

10

46

13

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-153811-1

Client Sample ID: EFFLUENT 051519

Date Collected: 05/15/19 07:20 Date Received: 05/16/19 08:00 Lab Sample ID: 480-153811-1

Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	931		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

6

9

10

Job ID: 480-153811-1

Prep Type: Total/NA

Prep Type: Total/NA

Client: O'Brien & Gere Inc of North America

Project/Site: Former Accurate Die Cast

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

Lab Sample ID: MB 480-474118/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 474118

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

Lab Sample ID: LCS 480-474118/2 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 474118

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

Lab Sample ID: 480-153811-1 DU Client Sample ID: EFFLUENT 051519 Prep Type: Total/NA

Matrix: Water

Analysis Batch: 474118

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-474117/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 474117

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

Lab Sample ID: LCS 480-474117/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 474117

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

Eurofins TestAmerica, Buffalo

6/3/2019

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	

4

6

8

9

IU

Lab Chronicle

Client: O'Brien & Gere Inc of North America Job ID: 480-153811-1

Project/Site: Former Accurate Die Cast

Date Received: 05/16/19 08:00

Client Sample ID: EFFLUENT 051519

Lab Sample ID: 480-153811-1 Date Collected: 05/15/19 07:20 Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	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

80-153811-1

/

5

6

8

4.6

44

12

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

٠

4

5

6

0

10

11

13

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
180-153811-1 EFFLUENT 051519	Water	05/15/19 07:20	05/16/19 08:00	

3

Q

9

11

12

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

Creator. Nasperek, Neimeth 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	

Environment Testing TestAmerica

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

T

Authorized for release by: 6/17/2019 2:46:03 PM Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

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

melissa.deyo@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

5

4

6

8

40

11

16

Definitions/Glossary

Client: O'Brien & Gere Inc of North America Job ID: 480-154127-1

Project/Site: Former Accurate Die Cast

Toxicity Equivalent Quotient (Dioxin)

Glossary

TEQ

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)

Case Narrative

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

Job ID: 480-154127-1

Job ID: 480-154127-1

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.

4

_

5

6

_

10

12

13

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		SM2540 C	Total/NA

4

5

7

0

10

11

13

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
Total Dissolved Solids	635		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

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

Matrix: Water

Analysis Batch: 475818

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

Matrix: Water

Analysis Batch: 475818

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 475963

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

Lab Sample ID: LCS 480-475963/2 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Matrix: Water

Analysis Batch: 475963

-	Sp	ke LCS	LCS			%Rec.	
Analyte	Add	ed Result	Qualifier Uni	. D	%Rec	Limits	
Total Dissolved Solids		02 483.0	mg/	<u> </u>	96	85 - 115	

0/ Boo

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	

16

4

6

8

9

11

13

Lab Chronicle

Client: O'Brien & Gere Inc of North America Job ID: 480-154127-1

Project/Site: Former Accurate Die Cast

Date Received: 05/29/19 05:00

Client Sample ID: EFFLUENT 052819

Lab Sample ID: 480-154127-1 Date Collected: 05/28/19 07:20

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
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

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

4

5

6

8

10

11

12

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

A

5

7

8

11

12

13

Sample Summary

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

Job ID: 480-154127-1

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	

2

4

5

Q

10

12

13

0	
fal	
Bul	
ca	-
eri	-
A	down himse
st	
H	5

Phone (716) 691-2600 Fax (716) 691-7991 Amherst, NY 14228-2298

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		Comment
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	
s 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	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
f 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	

5

6

8

10

4.0

13

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

eurofins

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

Designee for

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

melissa.deyo@testamericainc.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at: 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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	21
Lab Chronicle	23
Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	28

4

£

8

46

11

13

14

Definitions/Glossary

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

Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-154498-1

Qualifiers

MS '	

RPD

TEF

TEQ

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)

6/20/2019

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.

3

4

F

6

9

11

4.0

14

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	t 060519					La	b S	Sample ID:	480-154498-1
	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: Betwee	n Carbons 060	519				La	b S	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 No Detections.	: 060519					La	b S	Sample ID:	480-154498-3
								•	
No Detections.	t 060519	Qualifier	RL	MDL	Unit		b S	•	
No Detections. Client Sample ID: Effluent	t 060519		RL		Unit ug/L	La	b S	Sample ID:	480-154498-4
No Detections. Client Sample ID: Effluent Analyte	t 060519 Result 0.46					Lal Dil Fac	b S	Method 8260C	480-154498-4 Prep Type Total/NA
No Detections. Client Sample ID: Effluent Analyte Methylene Chloride	Result 0.46				ug/L	Lal Dil Fac	b S	Method 8260C	480-154498-4 Prep Type Total/NA
No Detections. Client Sample ID: Effluent Analyte Methylene Chloride Client Sample ID: Influent	Result 0.46	J	1.0	0.44	ug/L Unit	Lal Dil Fac	b S	Method 8260C	Total/NA 480-154498-5

This Detection Summary does not include radiochemical test results.

Page 5 of 28

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-154498-1

Client Sample ID: Effluent 060519

Date Collected: 06/05/19 07:20 Date Received: 06/06/19 05:00 Lab Sample ID: 480-154498-1

Matrix: Water

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
Total Dissolved Solids	622		10.0	4.0	mg/L			06/11/19 12:35	1
Analyte	Result	Qualifier	RL	RL	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

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

Date Collected: 06/05/19 07:20

Date Received: 06/06/19 05:00

cis-1,3-Dichloropropene

Dibromochloromethane

Cyclohexane

Lab Sample ID: 480-154498-2

Matrix: Water

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
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L			06/06/19 14:25	1

Eurofins TestAmerica, Buffalo

06/06/19 14:25

06/06/19 14:25

06/06/19 14:25

Page 6 of 28

1.0

1.0

1.0

0.36 ug/L

0.18 ug/L

0.32 ug/L

ND

ND

ND

3

5

4.0

111

13

14

16

6/20/2019

Job ID: 480-154498-1

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

Client Sample ID: Between Carbons 060519

Date Collected: 06/05/19 07:20 Date Received: 06/06/19 05:00 Lab Sample ID: 480-154498-2

Matrix: Water

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
Trichloroethene	10		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

Date Collected: 06/05/19 07:20

Date Received: 06/06/19 05:00

Method: 6010C - Metals (ICP)

Lab Sample ID: 480-154498-3

Matrix: Water

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

Date Collected: 06/05/19 07:20 Date Received: 06/06/19 05:00 Lab Sample ID: 480-154498-4

Matrix: Water

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

6/20/2019

Page 7 of 28

2

3

5

8

10

12

14

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-154498-1

Lab Sample ID: 480-154498-4

Matrix: Water

Client Sample ID: Effluent 060519

Date Collected: 06/05/19 07:20 Date Received: 06/06/19 05:00

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

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
Methylene Chloride	0.46	J	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		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

6/20/2019

06/07/19 12:03

06/07/19 12:03

75 - 123

80 - 120

96

2

5

6

8

10

12

14

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

Job ID: 480-154498-1

Client Sample ID: Influent 060519

Date Received: 06/06/19 05:00

Lab Sample ID: 480-154498-5 Date Collected: 06/05/19 07:20

Matrix: Water

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	
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/06/19 13:32	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/06/19 13:32	
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/06/19 13:32	
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/06/19 13:32	
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/06/19 13:32	
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/06/19 13:32	
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/06/19 13:32	
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/06/19 13:32	
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/06/19 13:32	
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/06/19 13:32	
1,2-Dichloropropane	ND		1.0		ug/L			06/06/19 13:32	
1,3-Dichlorobenzene	ND		1.0		ug/L			06/06/19 13:32	
1,4-Dichlorobenzene	ND		1.0		ug/L			06/06/19 13:32	
2-Butanone (MEK)	ND		10		ug/L			06/06/19 13:32	
2-Hexanone	ND		5.0		ug/L			06/06/19 13:32	
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/06/19 13:32	
Acetone	ND		10		ug/L			06/06/19 13:32	
Benzene	ND		1.0		ug/L			06/06/19 13:32	
Bromodichloromethane	ND		1.0		ug/L			06/06/19 13:32	
Bromoform	ND		1.0		ug/L			06/06/19 13:32	
Bromomethane	ND		1.0	0.69				06/06/19 13:32	
Carbon disulfide	ND		1.0	0.19	-			06/06/19 13:32	
Carbon tetrachloride	ND		1.0	0.27				06/06/19 13:32	
Chlorobenzene	ND		1.0	0.75				06/06/19 13:32	
Chloroethane	ND		1.0	0.32	-			06/06/19 13:32	
Chloroform	ND		1.0		ug/L			06/06/19 13:32	
Chloromethane	ND		1.0	0.35				06/06/19 13:32	
cis-1,2-Dichloroethene	1.8		1.0	0.81				06/06/19 13:32	
cis-1,3-Dichloropropene	ND		1.0	0.36				06/06/19 13:32	
Cyclohexane	ND		1.0	0.18				06/06/19 13:32	
Dibromochloromethane	ND		1.0	0.32				06/06/19 13:32	
Dichlorodifluoromethane	ND		1.0	0.68				06/06/19 13:32	
Ethylbenzene	ND		1.0	0.74				06/06/19 13:32	
Isopropylbenzene	ND		1.0	0.79				06/06/19 13:32	
Methyl acetate	ND		2.5		ug/L			06/06/19 13:32	
Methyl tert-butyl ether	ND		1.0	0.16				06/06/19 13:32	
•	ND		1.0	0.16				06/06/19 13:32	
Methylcyclohexane Methylene Chloride	ND ND		1.0		ug/L ug/L			06/06/19 13:32	
Styrene	ND ND		1.0	0.73				06/06/19 13:32	
Tetrachloroethene	ND ND	*	1.0	0.73				06/06/19 13:32	
Toluene	ND ND		1.0	0.50	-			06/06/19 13:32	
								06/06/19 13:32	
trans-1,2-Dichloroethene	ND		1.0		ug/L				
trans-1,3-Dichloropropene Trichlorofluoromethane	ND ND		1.0	0.37	-			06/06/19 13:32 06/06/19 13:32	
Vinyl chloride	ND		1.0		ug/L				
•	ND		1.0		ug/L			06/06/19 13:32	
Xylenes, Total	ND		2.0	0.00	ug/L			06/06/19 13:32	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	97		77 - 120			-	<u>*</u>	06/06/19 13:32	

Eurofins TestAmerica, Buffalo

Page 9 of 28 6/20/2019

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-154498-1

Lab Sample ID: 480-154498-5

Jampie ID. 400-134490-3

06/07/19 12:27

Matrix: Water

CI	ient	Samp	le ID:	Influen	t 060519
----	------	------	--------	---------	----------

Date Collected: 06/05/19 07:20 Date Received: 06/06/19 05:00

Toluene-d8 (Surr)

92

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

ı			
ı	Method: 8260C - Volatile	Organic Compounds h	v GC/MS - DI
ı	Wethou. 02000 - Volatile	Organic Compounds a	A COLINO - DE

Analyte	Result	Qualifier	KL	MDL	Unit	U	Prepared	Analyzed	DII 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

80 - 120

5

7

8

46

10

8

12

13

14

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 Su	rrogate Rec
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(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)

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

Lab Sample ID: MB 480-476433/7

Matrix: Water

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

Analysis Batch: 476433									
	MB	MB							
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 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 Mathyl 2 nantanana (MIDIC)	ND		E 0	2.4	/1			06/06/10 11:05	4

.,.,,_,	.15		0.0. ag/ =	22700710 11100
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

Lab Sample ID: LCS 480-476433/5

Matrix: Water

Matrix: Water

Analysis Batch: 476433

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

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 77 - 120 06/06/19 11:05 103 4-Bromofluorobenzene (Surr) 106 73 - 120 06/06/19 11:05 Dibromofluoromethane (Surr) 101 75 - 123 06/06/19 11:05 Toluene-d8 (Surr) 108 80 - 120 06/06/19 11:05

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 476433	0.11						0/ 5	
	Spike		LCS		_	0/ 5	%Rec.	
Analyte	Added		Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126	
1,1,2,2-Tetrachloroethane	25.0 25.0	22.9		ug/L		92	76 ₋ 120	
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	28.5		ug/L		114	61 - 148	
ne 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

Page 13 of 28

6/20/2019

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

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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	

LCS LCS

Surrogate	%Recovery	Qualifier	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

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 4766	59
----------------------	----

Matrix: Water

Lab Sample ID: MB 480-476659/7

	MB	MB							
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 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

Job ID: 480-154498-1

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

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

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloromethane	ND		1.0	0.35	ug/L			06/07/19 11:25	-
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/07/19 11:25	
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/07/19 11:25	
Cyclohexane	ND		1.0	0.18	ug/L			06/07/19 11:25	
Dibromochloromethane	ND		1.0	0.32	ug/L			06/07/19 11:25	
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/07/19 11:25	
Ethylbenzene	ND		1.0	0.74	ug/L			06/07/19 11:25	
Isopropylbenzene	ND		1.0	0.79	ug/L			06/07/19 11:25	
Methyl acetate	ND		2.5	1.3	ug/L			06/07/19 11:25	
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/07/19 11:25	
Methylcyclohexane	ND		1.0	0.16	ug/L			06/07/19 11:25	
Methylene Chloride	ND		1.0	0.44	ug/L			06/07/19 11:25	
Styrene	ND		1.0	0.73	ug/L			06/07/19 11:25	
Tetrachloroethene	ND		1.0	0.36	ug/L			06/07/19 11:25	
Toluene	ND		1.0	0.51	ug/L			06/07/19 11:25	
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/07/19 11:25	
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/07/19 11:25	
Trichloroethene	ND		1.0	0.46	ug/L			06/07/19 11:25	
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/07/19 11:25	
Vinyl chloride	ND		1.0	0.90	ug/L			06/07/19 11:25	
Xylenes, Total	ND		2.0	0.66	ug/L			06/07/19 11:25	

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
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

-	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	25.0	24.6		ug/L		98	73 _ 126	
1,1,2,2-Tetrachloroethane	25.0	20.2		ug/L		81	76 - 120	
1,1,2-Trichloro-1,2,2-trifluoroetha	25.0	23.2		ug/L		93	61 - 148	
ne								
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

Page 15 of 28

6/20/2019

Spike

LCS LCS

Job ID: 480-154498-1

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

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

%Rec.

Prep Type: Total/NA

	Opike	LOG	LUG		/orcec.	
Analyte	Added	Result	Qualifier Unit	D %Rec	Limits	
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	
			=			

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
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

Alialysis Datcil. 470000										
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
1,1,1-Trichloroethane	ND		200	205		ug/L		103	73 - 126	
1,1,2,2-Tetrachloroethane	ND		200	170		ug/L		85	76 - 120	
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		200	200		ug/L		100	61 - 148	
ne										
1,1,2-Trichloroethane	ND		200	176		ug/L		88	76 - 122	

Eurofins TestAmerica, Buffalo

Client Sample ID: Influent 060519

Prep Type: Total/NA

Page 16 of 28

Job ID: 480-154498-1

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

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

Lab Sample ID: 480-154498-5 MS

Matrix: Water

Methylcyclohexane

Methylene Chloride

Tetrachloroethene

Trichloroethene

Vinyl chloride

trans-1,2-Dichloroethene

trans-1,3-Dichloropropene

Trichlorofluoromethane

Styrene

Toluene

Analysis Batch: 476659

Client Sample ID: Influent 060519

Prep Type: Total/NA
% Poc

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
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

200

200

200

200

200

200

200

200

200

200

200

189

183

193

186

194

170

519

208

215

ug/L

15	MS
n	Ouglifier

ND

11

ND

ND

ND

ND

ND

330

ND

ND

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	90		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Eurofins TestAmerica, Buffalo

100

89

92

96

93

97

85

95

104

107

68 - 134

75 - 124

80 - 120

74 - 122

80 - 122

73 - 127

80 - 120

74 - 123

62 - 150

65 - 133

Page 17 of 28

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

Lab Sample ID: 480-154498-5 MSD

Matrix: Water

Tetrachloroethene

Analysis Batch: 476659

Client Sample ID: Influent 060519

Prep Type: Total/NA

MS MS

Limits Surrogate %Recovery Qualifier 80 - 120 Toluene-d8 (Surr) 94

Client Sample ID: Influent 060519

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 476659	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	‰Rec.	RPD	Limit
1,1,1-Trichloroethane	ND		200	202		ug/L		101	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		200	159		ug/L		80	76 - 120	7	15
1,1,2-Trichloro-1,2,2-trifluoroetha	ND		200	186		ug/L		93	61 - 148	7	20
ne 1,1,2-Trichloroethane	ND		200	178		ug/L		89	76 ₋ 122		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 ND		200	207		ug/L ug/L		104	76 ₋ 120	3	20
1,3-Dichlorobenzene	ND		200	178		ug/L		89	77 - 120	3	20
1,4-Dichlorobenzene	ND ND		200	182		ug/L ug/L		91	77 - 120 78 - 124	3	20
,	ND ND		1000	795		_		80	70 - 124 57 - 140	1	20
2-Butanone (MEK) 2-Hexanone	ND		1000	874		ug/L		87	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND ND		1000	868		ug/L ug/L		87	71 - 125	1	35
, , , ,	ND ND		1000	736		•		74	71 - 125 56 - 142	2	
Acetone Benzene	עא ND			196		ug/L		98	71 ₋ 124	2	15
			200			ug/L				2	13
Bromodichloromethane	ND		200	193		ug/L		97	80 - 122		15
Bromoform	ND		200	162		ug/L		81	61 - 132	3 2	15
Bromomethane	ND		200	181		ug/L		90	55 - 144	_	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

Eurofins TestAmerica, Buffalo

74 - 122

Page 18 of 28

186

ug/L

200

ND

Job ID: 480-154498-1

Prep Type: Total/NA

Client Sample ID: Influent 060519

Client: O'Brien & Gere Inc of North America

Project/Site: Former Accurate Die Cast

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

Lab Sample ID: 480-154498-5 MSD

Matrix: Water

Analysis Batch: 476659

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
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

Limits

77 - 120

MSD MSD Surrogate %Recovery Qualifier 1,2-Dichloroethane-d4 (Surr) 104

73 - 120 4-Bromofluorobenzene (Surr) 94 Dibromofluoromethane (Surr) 100 75 - 123 Toluene-d8 (Surr) 94

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-476566/1-A

Matrix: Water

Analysis Batch: 477794

MB MB

ND

мв мв Result Qualifier

ND

Result Qualifier Analyte

Zinc

Lab Sample ID: LCS 480-476566/2-A **Matrix: Water**

Analysis Batch: 477794

Zinc

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-476690/1-A **Matrix: Water**

Analyte

Mercury

Analysis Batch: 476809

Analyte

Lab Sample ID: LCS 480-476690/2-A **Matrix: Water**

Analysis Batch: 476809

Analyte Added Mercury 0.00667

80 - 120

RL

RL

0.00020

Spike

0.010

Spike

Added

0.200

MDL Unit

0.0015 mg/L

LCS LCS

0.201

Result Qualifier

MDL Unit

0.00012 mg/L

LCS LCS

0.00655

Result Qualifier

Unit

mg/L

Unit

D

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 476566**

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

Analyzed

06/13/19 21:38

Prep Batch: 476566

%Rec. Limits

%Rec 100 80 - 120

Prepared

06/07/19 08:36

Client Sample ID: Method Blank

Analyzed

06/07/19 14:32

Prep Type: Total/NA

Prep Batch: 476690

Dil Fac

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476690

%Rec. Limits

D %Rec mg/L 98 80 - 120

Prepared

06/07/19 11:51

Dil Fac

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

Job ID: 480-154498-1

Prep Type: Total/NA

Prep Batch: 476691

Prep Type: Total/NA

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 480-476691/1-A Client Sample ID: Method Blank

Matrix: Water Analysis Batch: 476809

	IVID	IVID							
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 15:09	1

Lab Sample ID: LCS 480-476691/2-A Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA Analysis Batch: 476809 **Prep Batch: 476691**

Spike LCS LCS %Rec.

Added Result Qualifier Limits Analyte Unit D %Rec 0.00667 0.00657 98 80 - 120 Mercury mg/L

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

Lab Sample ID: MB 480-477352/1 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water Analysis Batch: 477352

MB MB

Analyte Result Qualifier RL **RL** Unit D Prepared Analyzed Dil Fac Total Suspended Solids 1.0 1.0 mg/L 06/12/19 08:20 ND

Lab Sample ID: LCS 480-477352/2 **Client Sample ID: Lab Control Sample**

Matrix: Water

Analysis Batch: 477352

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%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 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 477218

MB MB RLMDL Unit Analyte Result Qualifier D Prepared Analyzed Dil Fac **Total Dissolved Solids** ND 10.0 4.0 mg/L 06/11/19 12:35

Lab Sample ID: LCS 480-477218/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 477218

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier Unit	D	%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	s 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

Eurofins TestAmerica, Buffalo

Page 21 of 28

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	

6

3

4

5

7

0

9

11

12

14

Job ID: 480-154498-1

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

Client Sample ID: Effluent 060519

Date Collected: 06/05/19 07:20 Date Received: 06/06/19 05:00 Lab Sample ID: 480-154498-1

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	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

Date Collected: 06/05/19 07:20

Date Received: 06/06/19 05:00

Lab Sample ID: 480-154498-2

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	476433	06/06/19 14:25	KMN	TAL BUF

Client Sample ID: Influent 060519

Date Collected: 06/05/19 07:20

Date Received: 06/06/19 05:00

Lab Sample ID: 480-154498-3

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	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

Date Collected: 06/05/19 07:20

Date Received: 06/06/19 05:00

Lab Sample	ID: 480-154498-4
------------	------------------

Matrix: Water

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	476659	06/07/19 12:03	AEM	TAL BUF

Client Sample ID: Influent 060519

Date Collected: 06/05/19 07:20

Date Received: 06/06/19 05:00

Lab Sample ID: 480-154498-5

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	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

Eurofins TestAmerica, Buffalo

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

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

-1

3

4

5

8

9

10

12

13

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	

3

4

5

6

8

9

11

12

13

Chain of Custody Record

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991

Seurofins Environment Testing TestAmerica

Client Information	Sampler	in Kaei	Gennek	Lab PM: Deyo,	Lab PM: Deyo, Melissa L				Carrier Tack	Vrac	Carrier Technol Wild Cours No.	22345-10589	3
Glient Contact Mr. Yuri Veliz	Phone: 315 M	739-	1300	E-Mail: meliss	E-Mail: melissa.deyo@testamericainc.com	testan	iericali	пс.сош		400	Page:	1 of 1	
Company: O'Brien & Gere Inc of North America								Analys	Analysis Requested	C77#			
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	÷						=			- Lancard	vation Codes	
City: East Syracuse	TAT Requested (days):	ys):											1 - None 0 - AsNaO2
State, Zip. NY, 13221													P - Na204S Q - Na2SO3
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO#: 11900114				Ic	sp	at	48	480-154498 Chain of Custody	f Custody		nlor rbic Acid	- H2SO4 - TSP Dodecahydrate
Email: Yuri.Veliz@obg.com	WO#.				(oN	-	punodu			_	_		U - Acetone
Project Name. Former Accurate Die Cast	Project #: 48008584			- 7.7	l 10 se		moD ol				K-EDTA		v - pH 4-5 2 - other (specify)
Site:	SSOW#:				A) as	-	Organ	A			oo too Other:		
Sample Identification	Sample Date	Sample	Sample Type (C=comp, G=grab)	Matrix (wewster, 5=solid, O=wastefoli,	Field Filtered S M/SM mnohed us fator - Gobas	T - boleO_Oated - T	Szeoc - Volatile	2010C - Zinc			redmuM lstoT	Special Inst	Special Instructions/Note:
	X	X			X	-	-					Λ	V
Effluent 060519	6-5-19	7:30	U	Water		-		-			7		
Between Carbons 060519	6-5-19	7:30	3	Water			m				~		
Inffluent 660519	6-5-19	7:30	U	Water				-			R		
Effluent 060519	6-5-19	17:30	9	water			W				W		
Influent 060519	6-5-19	7:30	9	water			3				M		
1 8-													
6-5-19								-					
								-					
						+							
13					Samp	le Dis	posal	(A fee	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	if samples ar	e retained lon	iger than 1 i	nonth)
Non-Hazard Hammable Skin Imitant Deliverable Requested: I, II, III, IV, Other (specify)	Poison B Unknown		Radiological		Speci	Retur	Return To Client al Instructions/QC	lient s/QC R	Special Instructions/QC Requirements;	ly Lab	Archive For	JC.	Months
Empty Kit Relinquished by:		Date: /			Time:	ı	ı	1	Metho	Method of Shipment			
Relinquished By Kemin	Date/Time:	1/3	1.65	Company	, a	Received	2	17	(1)	Date/Time	181	5:17	Company San
1	Date/Time:	4 19	(()	Company	œ.	Received by	DA.		di	Date/Time	6/3	9/80	Company (
Relinquished by	Date/Time:		2	Company	Œ	Received by	py.			Date/Time			Company
Custody Seals Infact: Custody Seal No.:				(ō	ooler Te	mperatu	re(s) °C a	Cooler Temperature(s) °C and Other Remarks.		1.9	1 #	C
				1		1							V. 16/2019

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

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	

Eurofins TestAmerica, Buffalo

Environment Testing TestAmerica

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

J

Authorized for release by: 6/25/2019 5:38:07 PM Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

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

melissa.deyo@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	14

4

5

6

8

10

11

13

Definitions/Glossary

Client: O'Brien & Gere Inc of North America

Job ID: 480-154898-1

Project/Site: Former Accurate Die Cast

Toxicity Equivalent Quotient (Dioxin)

Glossary

TEQ

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)

4

5

6

8

11

12

13

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.

3

4

5

6

8

9

1 1

13

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		SM2540 C	Total/NA

4

5

9

10

12

13

Client Sample Results

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

Date Received: 06/12/19 08:00

Job ID: 480-154898-1

Lab Sample ID: 480-154898-1

Client Sample ID: EFFLUENT 061119

Date Collected: 06/11/19 07:20

Matrix: Water

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	617		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	ma/l			06/17/19 08:39	

Δ

5

6

8

10

15

13

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

Matrix: Water

Analysis Batch: 478072

MB MB

Dil Fac Analyte Result Qualifier RL RL Unit Prepared Analyzed 1.0 1.0 mg/L 06/17/19 08:39 Total Suspended Solids ND

Lab Sample ID: LCS 480-478072/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 478072

Spike LCS LCS %Rec. Added Result Qualifier Unit %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 Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Water

Analysis Batch: 478083

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids 10.0 mg/L 06/17/19 09:53 ND 4.0

Lab Sample ID: LCS 480-478083/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Water

Analysis Batch: 478083

Spike LCS LCS %Rec. Analyte Added Result Qualifier Limits Unit %Rec **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 Job ID: 480-154898-1

Project/Site: Former Accurate Die Cast

Date Received: 06/12/19 08:00

Client Sample ID: EFFLUENT 061119

Lab Sample ID: 480-154898-1 Date Collected: 06/11/19 07:20

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	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

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

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

16

4

5

6

9

10

11

13

Sample Summary

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

Job ID: 480-154898-1

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	

13 14

Special Instructions/Note: M - Hexane
N - None
O - AsNaO2
P - Na2045 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Mon
Special Instructions/QC Requirements: **Syracuse | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | Preservation Codes A - HCL B - NaOH C - Zn Acetate D - Nitric Acid 480-154898 Chain of Custody Page: Page 1 of 1 Job#: イクア Total Number of 3,6#1 #225 lethod of Shipment Analysis Requested Cooler Temperature(s) °C and Other Remarks melissa.deyo@testamericainc.com eceived by 540C_Calcd - Total Dissolved Solids Lab PM: Deyo, Melissa L E-Mail: Perform MS/MSD (Yes of No) Time (Field Filtered Sample (Yes or No) Company Preservation Code: Matrix Water Krennecky Radiological G=grab) Sample (C=comb, Type 315-729-1300 1:30 Sample Unknown MARTIN (days): Due Date Requested: Sample Date 6-11-19 PO#. Project # 48008584 Poison B Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. Phone (716) 691-2600 Fax (716) 691-7991 333 West Washington St. PO BOX 4873 315-956-6100(Tel) 315-463-7554(Fax) Sompany: O'Brien & Gere Inc of North America Non-Hazard Flammable Possible Hazard Identification Empty Kit Relinquished by: Former Accurate Die Cast Custody Seals Intact: Client Information Sample Identification ruri.Veliz@obg.com East Syracuse Mr. Yuri Veliz rquished by: yd bedsinbr yd bedsinbr State, Zip. NY, 13221 Effluent

TestAmerica

Chain of Custody Record

TestAmerica Buffalo

Amherst, NY 14228-2298

10 Hazelwood Drive

Irate

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

Creator. Roll, Clins W		
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	

3

--

6

8

10

4.0

13

TestAmerica

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:

eurofins

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

Attn: Mr. David J Carnevale

The

Authorized for release by: 7/2/2019 11:49:26 AM
Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II (716)504-9838 john.schove@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

1

3

4

5

7

9

1 4

12

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	10
Lab Chronicle	11
Certification Summary	12
Method Summary	13
Sample Summary	14
Chain of Custody	15
Receipt Checklists	16

3

4

6

R

9

10

12

4

Definitions/Glossary

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

Job ID: 480-155128-1

Glossary

RPD

TEF

TEQ

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)

Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

7/2/2019

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-155128-1

Job ID: 480-155128-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

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.

3

Л

_

6

10

1 1

13

a E

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.

А

5

7

8

10

4.6

13

4 5

Client Sample Results

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

Lab Sample ID: 480-155128-1

Client Sample ID: EFFLUENT 061719 Date Collected: 06/17/19 07:15

Matrix: Water

Job ID: 480-155128-1

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

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

_			Pe	ercent Surre	ogate Reco
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(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-Dichloroet	thane-d4 (Surr)				

BFB = 4-Bromofluorobenzene (Surr) TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

Q

10

11

13

14

Client: O'Brien & Gere Inc of North America Job ID: 480-155128-1 Project/Site: Former Accurate Die Cast

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

	MB	MB							
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 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

MB MB %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 1,2-Dichloroethane-d4 (Surr) 103 77 - 120 06/20/19 10:54 4-Bromofluorobenzene (Surr) 80 73 - 120 06/20/19 10:54 1 Toluene-d8 (Surr) 93 80 - 120 06/20/19 10:54 Dibromofluoromethane (Surr) 95 75 - 123 06/20/19 10:54

Lab Sample ID: LCS 480-478721/5

Matrix: Water

Analysis Batch: 478721

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

LCS LCS Spike %Rec. Added Result Qualifier Unit D %Rec Limits 1,1,2,2-Tetrachloroethane 25.0 28.7 115 76 - 120 ug/L cis-1,2-Dichloroethene 25.0 22.6 ug/L 90 74 - 124 Methylene Chloride 25.0 24.7 ug/L 99 75 - 124Tetrachloroethene 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

	LCS	LCS	
Surrogate	%Recovery	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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

	MB	MB							
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	ma/L			06/21/19 10:01	1

Lab Sample ID: LCS 480-479010/2

Matrix: Water

Analysis Batch: 479010

Allalysis Batch. 479010						
	Spike	LCS LCS			%Rec.	
Analyte	Added	Result Qualifie	r Unit	D %Rec	Limits	
Total Suspended Solids	272	268.8	mg/L		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

Prep Type: Total/NA

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-478978/1

Matrix: Water

Analysis Batch: 478978

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Total Dissolved Solids 10.0 06/21/19 08:25 4.0 mg/L ND

Spike

Added

501

LCS LCS

516.0

Result Qualifier

Lab Sample ID: LCS 480-478978/2

Matrix: Water

Analysis Batch: 478978

Total Dissolved Solids

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: Method Blank

%Rec.

Unit D %Rec Limits 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

Date Received: 06/18/19 09:00

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**

Batch **Batch** Dilution Batch Prepared Method or Analyzed **Prep Type** Type Run **Factor** Number Analyst Lab Total/NA CSS TAL BUF Analysis SM 2540D 479010 06/21/19 10:01 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

Batch Batch Dilution Batch **Prepared** Type Method Number **Prep Type** Run **Factor** or Analyzed Analyst Lab Total/NA Analysis 8260C 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

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	

3

4

Q

9

11

14

14

LestAmerica buntato 10 Hazelwood Drive Amherst, NY 14228-2298 Phone (716) 691-2600 Fax (716) 691-7991	υ	Chain of Custody Record	f Cust	ody R	ecord	Syracuse	TestAmerica The Leader IN ENVIRONMENTAL TESTING
Client Information	Sampler.		Kenned	Lab Pl	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-122348-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 215-73	9.	1300	E-Mail: melis	E-Mail: melissa.deyo@testamericainc.com		Page 1 of 1
Company: O'Brien & Gere Inc of North America					Ana	Analysis Requested	Job #.
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:						eservation Code
City. East Syracuse	TAT Requested (days):	:(s					
State, Zip: NY, 13221							D - Nitro Acid P - Na204S E - NaHSO4 Q - Na2SO3
Phone 315-956-6100(Tel) 315-463-7554(Fax)	PO#: 11800225				sp		2
Email: Yuri.Veliz@obg.com	#OM				ebi		J - Di Water
Project Name: Former Accurate Die Cast	Project #: 48008584				los ba		L-EDA
Site:	#MOSS				Duadsr		of con
Samula Identification	Sample Date	Sample	Sample Type (C=comp,	Watrix (W-water, S-solid, O-wastefolf,	Field Filtered 3 Sedon - Total Sc SedoC - Calcd - 7 SedoC - Volatile		Cumpber Special Instructions/Note:
ounpe denundation	X	X	173	ion Code:	Z		
Effluent 66, 1719	61-61-19	4:15	J	Water	11		78
Efficient Och 19	P1-19	4:15	9	B	W		20
6-17-19							
	/				1181	480-155128 Chain of Custody	
	/						
Identification					Sample Disposal (A fe	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	stained longer than 1 month)
Non-Hazard Flammable Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)	Poison B Unknown		Radiological		Special Instructions/QC Requirements	Requirements:	Archive For Months
Empty Kit Relinquished by:		Date: /			Time:	Method of Shipment:	
Reinquisped by	Date/Time:	5	05%	Company	Received by.	A PAIGNATINE.	Critical Company Co
Relinquished by. PUISIII	Date/Time:	18	19:00	Company	Received by	PaleyTimes & Coated Times	(19 0900 company
Custody Seals Intact: Custody Seal No.:					Cooler Temperature(s) °	Cooler Temperature(s) °C and Other Remarks: 11] U	
A Tes A NO						135	Var 08/04/2016

Client: O'Brien & Gere Inc of North America

Job Number: 480-155128-1

List Source: Eurofins TestAmerica, Buffalo

Login Number: 155128

List Number: 1

Creator: Hulbert, Michael J

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

Environment Testing TestAmerica

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

J

Authorized for release by: 7/9/2019 5:28:14 PM
Rebecca Jones, Project Management Assistant I rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II (716)504-9838 john.schove@testamericainc.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at: 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.

2

3

4

7

0

10

46

13

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Chacklists	14

6

4

6

R

9

10

12

13

Definitions/Glossary

Client: O'Brien & Gere Inc of North America Job ID: 480-155377-1

Project/Site: Former Accurate Die Cast

Toxicity Equivalent Quotient (Dioxin)

Glossary

TEQ

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)

3

4

5

6

_

9

11

12

13

Case Narrative

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast Job ID: 480-155377-1

Job ID: 480-155377-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

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.

- 3

4

5

6

ŏ

1 N

13

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		SM2540 C	Total/NA

4

6

Q

10

13

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

Matrix: Water

Date Collected: 06/24/19 07:15 Date Received: 06/25/19 08:00

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	617		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

5

6

8

46

11

13

QC Sample Results

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

Job ID: 480-155377-1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

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

Lab Sample ID: MB 480-479919/1

Matrix: Water

Analysis Batch: 479919

Dil Fac Analyte Result Qualifier RL RL Unit Prepared Analyzed 06/27/19 10:07 1.0 1.0 mg/L Total Suspended Solids ND

Lab Sample ID: LCS 480-479919/2

Matrix: Water

Analysis Batch: 479919

Analysis	Datoii.	410010

Analyte **Total Suspended Solids**

Spike	
Added	
256	_

253.6

Result Qualifier

LCS LCS

Unit mg/L

D %Rec 99

Limits

88 - 110

%Rec.

Client Sample ID: Lab Control Sample

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-480138/1

Matrix: Water

Analyte

Analysis Batch: 480138

MB MB

Total Dissolved Solids

Result Qualifier

ND

RL 10.0 MDL Unit mg/L 4.0

D Prepared

Analyzed 06/28/19 10:44

Client Sample ID: Method Blank

Dil Fac

Lab Sample ID: LCS 480-480138/2

Matrix: Water

Total Dissolved Solids

Analysis Batch: 480138

Analyte

Spike Added

501

LCS LCS Result Qualifier 478.0

Unit mg/L

%Rec 95

%Rec. Limits 85 - 115

Client Sample ID: Lab Control Sample

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	

3

4

0

10

12

13

Lab Chronicle

Client: O'Brien & Gere Inc of North America Job ID: 480-155377-1

Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT

Date Received: 06/25/19 08:00

Lab Sample ID: 480-155377-1 Date Collected: 06/24/19 07:15

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
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

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

0

4

Ę

6

8

4.6

1 0

12

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

6

3

4

5

6

10

Sample Summary

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

Job ID: 480-155377-1

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	

9

10

12

13

Chain of Custoo, kecord

Phone (/16) 691-2600 Fax (/16) 691-/991							
Client Information	Sampler	In Koe	bearer	Lab PM Deyo,	Lab PM: Deyo, Melissa L	Carrier Trac	Carrier Tracking No(s): COC No. COC No
Client Contact: Mr. Yuri Veliz	Phone: 315-173	1-6	0	E-Mail: meliss	E-Mail: melissa.deyo@testamericainc.com		Page 1 of 1
Company. O'Brien & Gere Inc of North America		0				Analysis Requested	#225 Jub#
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:				0		
Oity East Syracuse State, 200 NY 13201	TAT Requested (days)	: (
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO#.			T			480-155377 Chain of Custody
Email: Yuri.Veliz@obg.com	WO#:				(ON		1 - Ice J - DI Water
Project Name: Former Accurate Die Cast	Project #: 48008584			7.0	ed Sol		
Site:	SSOW#:				NSD (X		of con
Sample Identification	Sample Date	Sample (0	Sample Type (C=comp, G=crab)	Watrix (Wewater, Sesolid, O-wasteroli, HT-Tissue A-AIr)	Field Filtered Perform MS/N 2640D - Total S 2640C_Calcd -		Mumber Votes
	X	1			z		
P11160100	Or lie	Till	1	Mintor			0
1 / 1	11.10-0	2.			-		8
		Ī	t		1		
Res							
61.24.16							
	/		Ħ				
Possible Hazard Identification Non-Hazard Flammable Skin Irritant	☐ Poison B ☐ Unknown		Radiological		Sample Disp	le Disposal (A fee may be assessed if sam Return To Client Disposal By Lab	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months
, III, IV,					Special Instru	Special Instructions/QC Requirements:	od at Shionsolt
Empty Kit Keinquished by: Reinquished-by:	Date/Time:	ate	0110	Company	I Ime:	1,1,-	Method of Shipment.
Reinquished by C. 1911 4	Date/Time:	10	1	Company		Jallace	0800
Custody Spale Infact: Custody Spal No					Cooler Tem	Cooler Temperature(s) "C and Other Bemarks"	1510
					Coolei I eili	inperature(s) Carlo Other Kernarks.	110

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

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	

2

4

5

7

9

10

12

13