

May 21, 2019

Mr. John C. Grathwol, P.E.

Remedial Bureau B – Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7016

RE: Former Accurate Die Casting Site, Fayetteville, NY
FILE: 3902.45845 Corres

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for the first quarter of 2019 (January 1 through March 31). 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 & ACTIVITIES COMPLETED

As of March 31, 2019, a total of 118,140,850 gallons of groundwater have been treated since startup on February 5, 1996. From January 1 to March 31, 2019, 1,016,734 gallons of groundwater were treated: 176,656 gallons from recovery well RW-1; 839,692 gallons from recovery well RW-2; and 386 gallons from the collection trench constructed in the former VOC/PAH/PCB Soils Area. No groundwater was recovered from the sump located outside the northeast corner of the building.

OBG performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed during January, February, and March 2019 are summarized in **Table 1**. The effluent during the period complied with the SPDES discharge limits. The laboratory analytical data sheets are provided as **Attachment A**.

The carbon in granular activated carbon filter GAC#1 was replaced on January 10, 2019 and afterward filter GAC#1 was placed into lag service and GAC#2 placed into lead service. The groundwater recovery system was temporarily shut-down on February 13, 2019 for installation of new flow meters and a new pH meter. The system was restarted on February 13, 2019 at approximately 3:00 p.m.

ACTIVITIES SCHEDULED

Continue to operate the groundwater recovery and treatment system and conduct the SPDES monitoring.



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

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



Douglas M. Crawford, P.E.
Vice President

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

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

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge	Discharge	Minimum	Sample														
	Limitation	Limitation	Measurement															
Flow (GPD)	Monitor	150000	Continuous	Meter	1/2/2019	1/4/2019	1/7/2019	1/9/2019	1/10/2019	1/14/2019	1/15/2019	1/16/2019	1/17/2019	1/18/2019	1/21/2019	1/22/2019	1/23/2019	1/24/2019
pH (SU)	6.5-8.5		2/Week	Grab	7.96	7.96	7.98	7.97	7.97	7.98	7.98	7.98	7.97	7.96	7.96	7.98	7.96	7.98
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	< 4 U		< 4 U		< 4 U									
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	653		630		640									
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.														
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.														
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U			1 U								
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U			1 U								
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab			1 U			1 U								
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab			1 U			1 U								
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U			1 U								
Toluene (ug/L)	Monitor	20	2/Month	Grab			1 U			1 U								
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U			1 U								

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

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

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample Type														
Flow (GPD)	Daily Average	Daily Maximum	Frequency (1)	Meter	1/25/2019 9900	1/29/2019 9922	1/30/2019 10020	1/31/2019 9920	2/1/2019 9880	2/4/2019 9943	2/5/2019 9910	2/8/2019 10003	2/11/2019 10027	2/12/2019 10120	2/14/2019 NA	2/15/2019 NA	2/18/2019 12394	2/20/2019 12384
pH (SU)	6.5-8.5		2/Week	Grab	7.96	7.96	7.96	7.96	7.96	7.98	7.96	7.96	7.98	7.96	7.5	7.3	7.2	7.2
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.						< 4 U				< 4 U				< 4 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.						646				645 B				615 B
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.														
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.														
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab						1 U								1 U
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab						1 U								1 U
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab						1 U								1 U
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab						1 U								1 U
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab						1 U								1 U
Toluene (ug/L)	Monitor	20	2/Month	Grab						1 U								1U
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab						1 U								1 U

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

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

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample Type														
Flow (GPD)	Daily Average	Daily Maximum	Frequency (1)	Type	2/21/2019	2/25/2019	2/26/2019	2/27/2019	3/1/2019	3/4/2019	3/6/2019	3/7/2019	3/8/2019	3/11/2019	3/14/2019	3/15/2019	3/18/2019	3/22/2019
	Monitor	150000	Continuous	Meter	12460	12411	12397	12353	12397	12429	12335	12329	12521	12189	12321	12432	12377	12412
pH (SU)	6.5-8.5		2/Week	Grab	7.2	7.2	7.2	7.2	7.3	7.2	7.2	7.3	7.4	7.2	7.2	7.3	7.3	8.24
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.		< 4 U					< 4 U			< 4 U				< 4U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.		603 *					641			617				618 B
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.							< 0.0002 U							
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.							< 0.01 U							
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
1,1,1,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab							1 U							1 U
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab							1 U							1 U
Toluene (ug/L)	Monitor	20	2/Month	Grab							1 U							1 U
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab							1 U							1 U

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-148940-1

Client Project/Site: Former Accurate Die Cast

For:

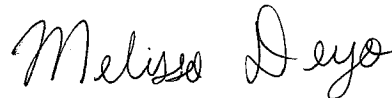
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

2/21/2019 10:44:28 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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

Definitions/Glossary

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

TestAmerica Job ID: 480-148940-1

Qualifiers

General Chemistry

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

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-148940-1

Job ID: 480-148940-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-148940-1

Receipt

The sample was received on 2/13/2019 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.5° C.

General Chemistry

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

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

Detection Summary

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

TestAmerica Job ID: 480-148940-1

Client Sample ID: Effluent 021219

Lab Sample ID: 480-148940-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	645	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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

Client Sample Results

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

TestAmerica Job ID: 480-148940-1

Client Sample ID: Effluent 021219

Lab Sample ID: 480-148940-1

Date Collected: 02/12/19 07:10

Matrix: Water

Date Received: 02/13/19 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	645	B	10.0	4.0	mg/L	--		02/15/19 13:39	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		02/14/19 02:10	1

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

QC Sample Results

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

TestAmerica Job ID: 480-148940-1

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

Lab Sample ID: MB 480-459026/1
Matrix: Water
Analysis Batch: 459026

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/14/19 02:10	1

Lab Sample ID: LCS 480-459026/2
Matrix: Water
Analysis Batch: 459026

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	241	220.0		mg/L		91	88 - 110

Lab Sample ID: 480-148940-1 DU
Matrix: Water
Analysis Batch: 459026

Client Sample ID: Effluent 021219
Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-459351/1
Matrix: Water
Analysis Batch: 459351

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.00	J	10.0	4.0	mg/L			02/15/19 13:39	1

Lab Sample ID: LCS 480-459351/2
Matrix: Water
Analysis Batch: 459351

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	498.0		mg/L		100	85 - 115

Lab Sample ID: 480-148940-1 DU
Matrix: Water
Analysis Batch: 459351

Client Sample ID: Effluent 021219
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	645	B	644.0		mg/L		0.2	10

QC Association Summary

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

TestAmerica Job ID: 480-148940-1

General Chemistry

Analysis Batch: 459026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148940-1	Effluent 021219	Total/NA	Water	SM 2540D	
MB 480-459026/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-459026/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-148940-1 DU	Effluent 021219	Total/NA	Water	SM 2540D	

Analysis Batch: 459351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148940-1	Effluent 021219	Total/NA	Water	SM2540 C	
MB 480-459351/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-459351/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-148940-1 DU	Effluent 021219	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-148940-1

Client Sample ID: Effluent 021219

Lab Sample ID: 480-148940-1

Date Collected: 02/12/19 07:10

Matrix: Water

Date Received: 02/13/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	459026	02/14/19 02:10	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	459351	02/15/19 13:39	RAF	TAL BUF

Laboratory References:

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

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-148940-1

Laboratory: 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	03-31-19

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

Method Summary

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

TestAmerica Job ID: 480-148940-1

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 = 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

TestAmerica Job ID: 480-148940-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-148940-1	Effluent 021219	Water	02/12/19 07:10	02/13/19 01:00

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-148940-1

Login Number: 148940

List Source: TestAmerica Buffalo

List Number: 1

Creator: Velickovic, Zoran

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-148733-1

Client Project/Site: Former Accurate Die Cast

For:

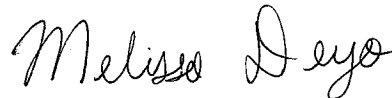
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

2/19/2019 9:53:40 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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

Definitions/Glossary

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

TestAmerica Job ID: 480-148733-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-148733-1

Job ID: 480-148733-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-148733-1**

Receipt

The samples were received on 2/7/2019 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° 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.

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

Detection Summary

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

TestAmerica Job ID: 480-148733-1

Client Sample ID: EFFLUENT 020419

Lab Sample ID: 480-148733-1

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

Client Sample ID: BETWEEN CARBONS 020419

Lab Sample ID: 480-148733-2

No Detections.

Client Sample ID: EFFLUENT 020419

Lab Sample ID: 480-148733-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



Client Sample Results

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

TestAmerica Job ID: 480-148733-1

Client Sample ID: EFFLUENT 020419

Lab Sample ID: 480-148733-1

Date Collected: 02/04/19 07:20

Matrix: Water

Date Received: 02/07/19 11:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	646		10.0	4.0	mg/L			02/08/19 08:22	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/08/19 05:12	1

Client Sample ID: BETWEEN CARBONS 020419

Lab Sample ID: 480-148733-2

Date Collected: 02/04/19 07:20

Matrix: Water

Date Received: 02/07/19 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/08/19 18:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/08/19 18:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/08/19 18:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/08/19 18:54	1
Toluene	ND		1.0	0.51	ug/L			02/08/19 18:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/08/19 18:54	1
Trichloroethene	ND		1.0	0.46	ug/L			02/08/19 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120					02/08/19 18:54	1
4-Bromofluorobenzene (Surr)	104		73 - 120					02/08/19 18:54	1
Toluene-d8 (Surr)	102		80 - 120					02/08/19 18:54	1
Dibromofluoromethane (Surr)	100		75 - 123					02/08/19 18:54	1

Client Sample ID: EFFLUENT 020419

Lab Sample ID: 480-148733-3

Date Collected: 02/04/19 07:20

Matrix: Water

Date Received: 02/07/19 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/08/19 19:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/08/19 19:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/08/19 19:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/08/19 19:17	1
Toluene	ND		1.0	0.51	ug/L			02/08/19 19:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/08/19 19:17	1
Trichloroethene	ND		1.0	0.46	ug/L			02/08/19 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					02/08/19 19:17	1
4-Bromofluorobenzene (Surr)	100		73 - 120					02/08/19 19:17	1
Toluene-d8 (Surr)	99		80 - 120					02/08/19 19:17	1
Dibromofluoromethane (Surr)	102		75 - 123					02/08/19 19:17	1

Surrogate Summary

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

TestAmerica Job ID: 480-148733-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-148733-2	BETWEEN CARBONS 020419	101	104	102	100
480-148733-3	EFFLUENT 020419	102	100	99	102
LCS 480-458288/5	Lab Control Sample	100	102	100	104
MB 480-458288/7	Method Blank	104	105	103	108

Surrogate Legend

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

QC Sample Results

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

TestAmerica Job ID: 480-148733-1

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

Lab Sample ID: MB 480-458288/7

Matrix: Water

Analysis Batch: 458288

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/08/19 14:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/08/19 14:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/08/19 14:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/08/19 14:53	1
Toluene	ND		1.0	0.51	ug/L			02/08/19 14:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/08/19 14:53	1
Trichloroethene	ND		1.0	0.46	ug/L			02/08/19 14:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		02/08/19 14:53	1
4-Bromofluorobenzene (Surr)	105		73 - 120		02/08/19 14:53	1
Toluene-d8 (Surr)	103		80 - 120		02/08/19 14:53	1
Dibromofluoromethane (Surr)	108		75 - 123		02/08/19 14:53	1

Lab Sample ID: LCS 480-458288/5

Matrix: Water

Analysis Batch: 458288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	76 - 120
cis-1,2-Dichloroethene	25.0	24.1		ug/L		96	74 - 124
Methylene Chloride	25.0	25.1		ug/L		100	75 - 124
Tetrachloroethene	25.0	23.9		ug/L		96	74 - 122
Toluene	25.0	23.4		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
Trichloroethene	25.0	23.6		ug/L		94	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

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

Lab Sample ID: MB 480-458222/1

Matrix: Water

Analysis Batch: 458222

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/08/19 05:12	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-148733-1

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

Lab Sample ID: LCS 480-458222/2

Matrix: Water

Analysis Batch: 458222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	241	245.6		mg/L		102	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-458255/1

Matrix: Water

Analysis Batch: 458255

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			02/08/19 08:22	1

Lab Sample ID: LCS 480-458255/2

Matrix: Water

Analysis Batch: 458255

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

QC Association Summary

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

TestAmerica Job ID: 480-148733-1

GC/MS VOA

Analysis Batch: 458288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148733-2	BETWEEN CARBONS 020419	Total/NA	Water	8260C	
480-148733-3	EFFLUENT 020419	Total/NA	Water	8260C	
MB 480-458288/7	Method Blank	Total/NA	Water	8260C	
LCS 480-458288/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 458222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148733-1	EFFLUENT 020419	Total/NA	Water	SM 2540D	
MB 480-458222/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-458222/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 458255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148733-1	EFFLUENT 020419	Total/NA	Water	SM2540 C	
MB 480-458255/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-458255/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-148733-1

Client Sample ID: EFFLUENT 020419

Lab Sample ID: 480-148733-1

Date Collected: 02/04/19 07:20

Matrix: Water

Date Received: 02/07/19 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	458222	02/08/19 05:12	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	458255	02/08/19 08:22	RAF	TAL BUF

Client Sample ID: BETWEEN CARBONS 020419

Lab Sample ID: 480-148733-2

Date Collected: 02/04/19 07:20

Matrix: Water

Date Received: 02/07/19 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	458288	02/08/19 18:54	AMM	TAL BUF

Client Sample ID: EFFLUENT 020419

Lab Sample ID: 480-148733-3

Date Collected: 02/04/19 07:20

Matrix: Water

Date Received: 02/07/19 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	458288	02/08/19 19:17	AMM	TAL BUF

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-148733-1

Laboratory: 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	03-31-19

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Method Summary

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

TestAmerica Job ID: 480-148733-1

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 = 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

TestAmerica Job ID: 480-148733-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-148733-1	EFFLUENT 020419	Water	02/04/19 07:20	02/07/19 11:30
480-148733-2	BETWEEN CARBONS 020419	Water	02/04/19 07:20	02/07/19 11:30
480-148733-3	EFFLUENT 020419	Water	02/04/19 07:20	02/07/19 11:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Camer Tracking No(s): 480-122336-10588.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11800225 WO #: Project #: 48008584 SSOW#:		Analysis Requested Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 2540D - Total Suspended Solids <input type="checkbox"/> N <input type="checkbox"/> A 2540C Calc'd - Total Dissolved Solids <input type="checkbox"/> N <input type="checkbox"/> A 8260C - Volatile Organic Compounds <input type="checkbox"/> N <input type="checkbox"/> A	
Sample Identification Effluent 020419 Between Carbons 020419 Effluent 020419 2-4-19 Per-		Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=air) Sample Type (C=Comp, G=grab) Sample Time Sample Date Preservation Code: Water C 7:30 Water G 7:30 W G 7:30	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/Note: Total Number of 3 3 3	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements: Method of Shipment:	
Relinquished by: <i>Melissa Deyo</i> Relinquished by: <i>Yuri Veliz</i> Relinquished by:		Date/Time: 2-4-19 / 9:40 Date/Time: 2-4-19, 19:00 Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: #1 2.8	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-148733-1

Login Number: 148733

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

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



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-148444-1

Client Project/Site: Former Accurate Die Cast

For:

O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

2/11/2019 2:34:22 PM

Anthony Strollo, Project Management Assistant I

anthony.strollo@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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

2

3

4

5

6

7

8

9

10

11

12

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
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

Definitions/Glossary

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

TestAmerica Job ID: 480-148444-1

Qualifiers

General Chemistry

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

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-148444-1

Job ID: 480-148444-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-148444-1

Comments

No additional comments.

Receipt

The sample was received on 1/30/2019 4:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

General Chemistry

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

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

Detection Summary

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

TestAmerica Job ID: 480-148444-1

Client Sample ID: Effluent 012919

Lab Sample ID: 480-148444-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	621	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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

Client Sample Results

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

TestAmerica Job ID: 480-148444-1

Client Sample ID: Effluent 012919

Lab Sample ID: 480-148444-1

Date Collected: 01/29/19 07:10

Matrix: Water

Date Received: 01/30/19 04:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	621	B	10.0	4.0	mg/L	--		01/31/19 21:55	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		02/01/19 13:04	1

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

QC Sample Results

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

TestAmerica Job ID: 480-148444-1

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

Lab Sample ID: MB 480-457399/1
 Matrix: Water
 Analysis Batch: 457399

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/01/19 13:04	1

Lab Sample ID: LCS 480-457399/2
 Matrix: Water
 Analysis Batch: 457399

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	246	223.2		mg/L		91	88 - 110

Lab Sample ID: 480-148444-1 DU
 Matrix: Water
 Analysis Batch: 457399

Client Sample ID: Effluent 012919
 Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-457317/1
 Matrix: Water
 Analysis Batch: 457317

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	7.00	J	10.0	4.0	mg/L			01/31/19 21:55	1

Lab Sample ID: LCS 480-457317/2
 Matrix: Water
 Analysis Batch: 457317

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	502.0		mg/L		100	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-148444-1

General Chemistry

Analysis Batch: 457317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148444-1	Effluent 012919	Total/NA	Water	SM2540 C	
MB 480-457317/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-457317/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 457399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148444-1	Effluent 012919	Total/NA	Water	SM 2540D	
MB 480-457399/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-457399/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-148444-1 DU	Effluent 012919	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-148444-1

Client Sample ID: Effluent 012919

Lab Sample ID: 480-148444-1

Date Collected: 01/29/19 07:10

Matrix: Water

Date Received: 01/30/19 04:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	457399	02/01/19 13:04	RAF	TAL BUF
Total/NA	Analysis	SM2540 C		1	457317	01/31/19 21:55	SMH	TAL BUF

Laboratory References:

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

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-148444-1

Laboratory: 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	03-31-19

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

Method Summary

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

TestAmerica Job ID: 480-148444-1

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 = 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

TestAmerica Job ID: 480-148444-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-148444-1	Effluent 012919	Water	01/29/19 07:10	01/30/19 04:00

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

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

#225

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carrier Tracking No(s): 480-120420-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11800225 WO #: Project #: 48008584 SOW#:		Analysis Requested Barcode: 480-148444 Chain of Custody Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - LA Water Y - EDTA Z - other (specify) Other:	
Sample Identification Effluent 012919 1-29-19 RE		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids <input checked="" type="checkbox"/> 11 2540C - Calcd - Total Dissolved Solids <input checked="" type="checkbox"/> 11 Total Number of Containers: <input checked="" type="checkbox"/> 2 Special Instructions/Note:	
Sample Date: 1-29-19 Sample Time: 7:10 Sample Type (C=Comp, G=grab): C Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air): Water Preservation Code:		Special Instructions/QC Requirements: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)	
Relinquished by: <i>Yuri Veliz</i> Relinquished by: <i>RE 1/19/19</i> Relinquished by:		Received by: <i>RE 1/19/19</i> Received by: <i>RE 1/19/19</i> Received by:	
Date: 1-29-19 / 9:35 Date/Time: 1-29-19, 19:00 Date/Time:		Date/Time: 1-29-19, 09:35 Date/Time: 01-30-19 Date/Time:	
Company: <i>OBG</i> Company: <i>Syr</i> Company:		Company: <i>Syr</i> Company: <i>OBG</i> Company:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 1.8 #3	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-148444-1

Login Number: 148444

List Number: 1

Creator: Velickovic, Zoran

List Source: TestAmerica Buffalo

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



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-147552-1

Client Project/Site: Former Accurate Die Cast

For:

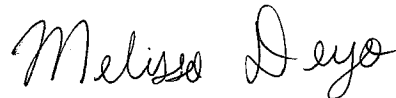
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

1/18/2019 8:51:53 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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

2

3

4

5

6

7

8

9

10

11

12

13

14

15



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	11
Lab Chronicle	12
Certification Summary	13
Method Summary	14
Sample Summary	15
Chain of Custody	16
Receipt Checklists	17

Definitions/Glossary

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

TestAmerica Job ID: 480-147552-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-147552-1

Job ID: 480-147552-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-147552-1**

Receipt

The samples were received on 1/9/2019 10:45 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.

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

Detection Summary

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

TestAmerica Job ID: 480-147552-1

Client Sample ID: Effluent 010719

Lab Sample ID: 480-147552-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Total Dissolved Solids	630		10.0	4.0	mg/L	1			SM2540 C	Total/NA

Client Sample ID: Between Carbon 010719

Lab Sample ID: 480-147552-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L	1			8260C	Total/NA
Trichloroethene	8.2		1.0	0.46	ug/L	1			8260C	Total/NA

Client Sample ID: Effluent 010719

Lab Sample ID: 480-147552-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-147552-1

Client Sample ID: Effluent 010719

Lab Sample ID: 480-147552-1

Date Collected: 01/07/19 07:15

Matrix: Water

Date Received: 01/09/19 10:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	630		10.0	4.0	mg/L			01/10/19 08:17	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/10/19 02:22	1

Client Sample ID: Between Carbon 010719

Lab Sample ID: 480-147552-2

Date Collected: 01/07/19 07:15

Matrix: Water

Date Received: 01/09/19 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/10/19 02:59	1
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L			01/10/19 02:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/10/19 02:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/10/19 02:59	1
Toluene	ND		1.0	0.51	ug/L			01/10/19 02:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/10/19 02:59	1
Trichloroethene	8.2		1.0	0.46	ug/L			01/10/19 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120					01/10/19 02:59	1
4-Bromofluorobenzene (Surr)	101		73 - 120					01/10/19 02:59	1
Toluene-d8 (Surr)	98		80 - 120					01/10/19 02:59	1
Dibromofluoromethane (Surr)	112		75 - 123					01/10/19 02:59	1

Client Sample ID: Effluent 010719

Lab Sample ID: 480-147552-3

Date Collected: 01/07/19 07:15

Matrix: Water

Date Received: 01/09/19 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/10/19 14:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/10/19 14:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/10/19 14:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/10/19 14:41	1
Toluene	ND		1.0	0.51	ug/L			01/10/19 14:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/10/19 14:41	1
Trichloroethene	ND		1.0	0.46	ug/L			01/10/19 14:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120					01/10/19 14:41	1
4-Bromofluorobenzene (Surr)	89		73 - 120					01/10/19 14:41	1
Toluene-d8 (Surr)	94		80 - 120					01/10/19 14:41	1
Dibromofluoromethane (Surr)	103		75 - 123					01/10/19 14:41	1

Surrogate Summary

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

TestAmerica Job ID: 480-147552-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-147552-2	Between Carbon 010719	111	101	98	112
480-147552-3	Effluent 010719	114	89	94	103
LCS 480-454456/5	Lab Control Sample	107	102	99	113
LCS 480-454488/5	Lab Control Sample	117	91	94	108
MB 480-454456/7	Method Blank	109	103	97	110
MB 480-454488/7	Method Blank	112	86	92	102

Surrogate Legend

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

QC Sample Results

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

TestAmerica Job ID: 480-147552-1

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

Lab Sample ID: MB 480-454456/7

Matrix: Water

Analysis Batch: 454456

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/09/19 23:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/09/19 23:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/09/19 23:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/09/19 23:58	1
Toluene	ND		1.0	0.51	ug/L			01/09/19 23:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/09/19 23:58	1
Trichloroethene	ND		1.0	0.46	ug/L			01/09/19 23:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		01/09/19 23:58	1
4-Bromofluorobenzene (Surr)	103		73 - 120		01/09/19 23:58	1
Toluene-d8 (Surr)	97		80 - 120		01/09/19 23:58	1
Dibromofluoromethane (Surr)	110		75 - 123		01/09/19 23:58	1

Lab Sample ID: LCS 480-454456/5

Matrix: Water

Analysis Batch: 454456

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	21.1		ug/L		84	76 - 120
cis-1,2-Dichloroethene	25.0	25.6		ug/L		102	74 - 124
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
Tetrachloroethene	25.0	27.1		ug/L		108	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
Trichloroethene	25.0	25.7		ug/L		103	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	113		75 - 123

Lab Sample ID: MB 480-454488/7

Matrix: Water

Analysis Batch: 454488

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/10/19 13:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/10/19 13:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/10/19 13:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/10/19 13:56	1
Toluene	ND		1.0	0.51	ug/L			01/10/19 13:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/10/19 13:56	1
Trichloroethene	ND		1.0	0.46	ug/L			01/10/19 13:56	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-147552-1

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

Lab Sample ID: MB 480-454488/7
Matrix: Water
Analysis Batch: 454488

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		01/10/19 13:56	1
4-Bromofluorobenzene (Surr)	86		73 - 120		01/10/19 13:56	1
Toluene-d8 (Surr)	92		80 - 120		01/10/19 13:56	1
Dibromofluoromethane (Surr)	102		75 - 123		01/10/19 13:56	1

Lab Sample ID: LCS 480-454488/5
Matrix: Water
Analysis Batch: 454488

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
Methylene Chloride	25.0	27.1		ug/L		108	75 - 124
Tetrachloroethene	25.0	21.5		ug/L		86	74 - 122
Toluene	25.0	21.9		ug/L		88	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
Trichloroethene	25.0	26.3		ug/L		105	74 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	117		77 - 120
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	108		75 - 123

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

Lab Sample ID: MB 480-454460/1
Matrix: Water
Analysis Batch: 454460

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

Analyte	MB MB		RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		1.0	1.0	mg/L			01/10/19 02:22	1

Lab Sample ID: LCS 480-454460/2
Matrix: Water
Analysis Batch: 454460

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Total Suspended Solids	240	239.6		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-454474/1
Matrix: Water
Analysis Batch: 454474

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Dissolved Solids	ND		10.0	4.0	mg/L			01/10/19 08:17	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-147552-1

Lab Sample ID: LCS 480-454474/2
Matrix: Water
Analysis Batch: 454474

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	514.0		mg/L		103	85 - 115

Lab Sample ID: 480-147552-1 DU
Matrix: Water
Analysis Batch: 454474

Client Sample ID: Effluent 010719
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	630		641.0		mg/L		2	10



QC Association Summary

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

TestAmerica Job ID: 480-147552-1

GC/MS VOA

Analysis Batch: 454456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147552-2	Between Carbon 010719	Total/NA	Water	8260C	
MB 480-454456/7	Method Blank	Total/NA	Water	8260C	
LCS 480-454456/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 454488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147552-3	Effluent 010719	Total/NA	Water	8260C	
MB 480-454488/7	Method Blank	Total/NA	Water	8260C	
LCS 480-454488/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 454460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147552-1	Effluent 010719	Total/NA	Water	SM 2540D	
MB 480-454460/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-454460/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 454474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147552-1	Effluent 010719	Total/NA	Water	SM2540 C	
MB 480-454474/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-454474/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-147552-1 DU	Effluent 010719	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-147552-1

Client Sample ID: Effluent 010719

Lab Sample ID: 480-147552-1

Date Collected: 01/07/19 07:15

Matrix: Water

Date Received: 01/09/19 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	454460	01/10/19 02:22	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	454474	01/10/19 08:17	RAF	TAL BUF

Client Sample ID: Between Carbon 010719

Lab Sample ID: 480-147552-2

Date Collected: 01/07/19 07:15

Matrix: Water

Date Received: 01/09/19 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454456	01/10/19 02:59	KMN	TAL BUF

Client Sample ID: Effluent 010719

Lab Sample ID: 480-147552-3

Date Collected: 01/07/19 07:15

Matrix: Water

Date Received: 01/09/19 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	454488	01/10/19 14:41	NMC	TAL BUF

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-147552-1

Laboratory: 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	03-31-19

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Method Summary

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

TestAmerica Job ID: 480-147552-1

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 = 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

TestAmerica Job ID: 480-147552-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-147552-1	Effluent 010719	Water	01/07/19 07:15	01/09/19 10:45
480-147552-2	Between Carbon 010719	Water	01/07/19 07:15	01/09/19 10:45
480-147552-3	Effluent 010719	Water	01/07/19 07:15	01/09/19 10:45

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



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

Sampler: MARKIM KOENNECKE
 Lab PM: Deyo, Melissa L
 Phone: 315-429-1300
 E-Mail: melissa.deyo@testamericainc.com

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastelol, B=TRIUM, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C - Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of Containers	Special Instructions/Note:
Effluent 010719	1-7-19	7:15	C	Water	X	X	1	1		2	
Between Carbons 010719	1-7-19	7:15	G	Water				3		3	
Effluent 010719	1-7-19	7:15	G	Water				3		3	
RE											
1-7-19											

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: _____ Date: _____ Method of Shipment: _____

Relinquished by: Markim Koenecke Date/Time: 1-7-19 / 12:40 Company: OBG
 Relinquished by: Reighlin Date/Time: 1-7-19, 19:00 Company: Syn
 Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: Yes No **Custody Seal No.:** #1214

Company: Syn
 Date/Time: 1-7-19, 15:40
 Date/Time: 1-7-19, 10:45
 Date/Time: _____

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 Other:
 M - Hexane
 N - None
 O - AsNaO2
 P - Na2O4S
 Q - Na2SO3
 R - Na2S2O3
 S - H2SO4
 T - TSP Dodecahydrate
 U - Acetone
 V - MCAA
 W - pH 4-5
 Z - other (specify)

COC No.: 480-120192-1
Page: Page 1 of 1
Job #: 480-147552 COC



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-147552-1

Login Number: 147552

List Source: TestAmerica Buffalo

List Number: 1

Creator: Velickovic, Zoran

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-147411-1

Client Project/Site: Former Accurate Die Cast

For:

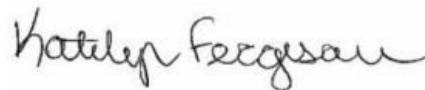
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

1/11/2019 3:37:35 PM

Katelyn Ferguson, Project Management Assistant I

katelyn.ferguson@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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

2

3

4

5

6

7

8

9

10

11

12

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
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

Definitions/Glossary

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

TestAmerica Job ID: 480-147411-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-147411-1

Job ID: 480-147411-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-147411-1

Comments

No additional comments.

Receipt

The sample was received on 1/3/2019 9:30 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.

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

Detection Summary

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

TestAmerica Job ID: 480-147411-1

Client Sample ID: Effluent 010219

Lab Sample ID: 480-147411-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	653		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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

Client Sample Results

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

TestAmerica Job ID: 480-147411-1

Client Sample ID: Effluent 010219

Lab Sample ID: 480-147411-1

Date Collected: 01/02/19 07:15

Matrix: Water

Date Received: 01/03/19 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	653		10.0	4.0	mg/L	--		01/04/19 08:34	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		01/04/19 14:32	1

QC Sample Results

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

TestAmerica Job ID: 480-147411-1

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

Lab Sample ID: MB 480-453783/1
 Matrix: Water
 Analysis Batch: 453783

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			01/04/19 14:32	1

Lab Sample ID: LCS 480-453783/2
 Matrix: Water
 Analysis Batch: 453783

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	237	237.6		mg/L		100	88 - 110

Lab Sample ID: 480-147411-1 DU
 Matrix: Water
 Analysis Batch: 453783

Client Sample ID: Effluent 010219
 Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-453699/1
 Matrix: Water
 Analysis Batch: 453699

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			01/04/19 08:34	1

Lab Sample ID: LCS 480-453699/2
 Matrix: Water
 Analysis Batch: 453699

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	495.0		mg/L		99	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-147411-1

General Chemistry

Analysis Batch: 453699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147411-1	Effluent 010219	Total/NA	Water	SM2540 C	
MB 480-453699/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-453699/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 453783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147411-1	Effluent 010219	Total/NA	Water	SM 2540D	
MB 480-453783/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-453783/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-147411-1 DU	Effluent 010219	Total/NA	Water	SM 2540D	



Lab Chronicle

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

TestAmerica Job ID: 480-147411-1

Client Sample ID: Effluent 010219

Lab Sample ID: 480-147411-1

Date Collected: 01/02/19 07:15

Matrix: Water

Date Received: 01/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	453783	01/04/19 14:32	SMH	TAL BUF
Total/NA	Analysis	SM2540 C		1	453699	01/04/19 08:34	RAF	TAL BUF

Laboratory References:

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

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-147411-1

Laboratory: 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	03-31-19

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

Method Summary

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

TestAmerica Job ID: 480-147411-1

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 = 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

TestAmerica Job ID: 480-147411-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-147411-1	Effluent 010219	Water	01/02/19 07:15	01/03/19 09:30

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



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

Sampler: MAELIN KOENIG
 Lab PM: Deyo, Melissa L.
 Phone: 315-789-1300
 E-Mail: melissa.deyo@testamericainc.com

Camera Tracking No(s):
 COC No: 480-120420-
 Page: 1 of 1
 Job #: 480-147411 COC

Due Date Requested:
 TAT Requested (days):
 PO #: 11800225
 WO #:
 Project #: 48008584
 SSONW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Ice, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2500 - Total Suspended Solids	2500 - Total Dissolved Solids	Total Number of Containers	Special Instructions/Note:
Effluent 010219	1-2-19	7:15	C	Water	X	X	11	11	2	
1-2-19										

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

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: 1-2-19 / 9:50 Company: OBG
 Relinquished by: Mitha Konde Company: OBG
 Relinquished by: Mitha Konde Company: OBG
 Relinquished by: Mitha Konde Company: OBG

Custody Seals Intact: Yes No Δ No
 Cooler Temperature(s) °C and Other Remarks: # 2.8

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-147411-1

Login Number: 147411

List Number: 1

Creator: Velickovic, Zoran

List Source: TestAmerica Buffalo

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

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-149442-1

Client Project/Site: Former Accurate Die Cast

For:

O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

3/25/2019 2:05:28 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

TotalAccess

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

Definitions/Glossary

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

TestAmerica Job ID: 480-149442-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-149442-1

Job ID: 480-149442-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-149442-1**

Receipt

The sample was received on 2/26/2019 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° C.

General Chemistry

Method(s) SM 2540C: Reanalysis of the following samples were performed outside of the analytical holding time due to Lab control sample failure in original data set.: Effluent 022519 (480-149442-1). Both results are reported.

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

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

Detection Summary

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

TestAmerica Job ID: 480-149442-1

Client Sample ID: Effluent 022519

Lab Sample ID: 480-149442-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	603	*	10.0	4.0	mg/L	1		SM2540 C	Total/NA
Total Dissolved Solids - RA	614	H	10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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

Client Sample Results

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

TestAmerica Job ID: 480-149442-1

Client Sample ID: Effluent 022519

Lab Sample ID: 480-149442-1

Date Collected: 02/25/19 07:20

Matrix: Water

Date Received: 02/26/19 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	603	*	10.0	4.0	mg/L	--		03/04/19 01:12	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		02/27/19 21:53	1

General Chemistry - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	614	H	10.0	4.0	mg/L	--		03/14/19 08:13	1

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

QC Sample Results

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

TestAmerica Job ID: 480-149442-1

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

Lab Sample ID: MB 480-460872/1
 Matrix: Water
 Analysis Batch: 460872

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/27/19 21:53	1

Lab Sample ID: LCS 480-460872/2
 Matrix: Water
 Analysis Batch: 460872

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	241	236.0		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-461359/1
 Matrix: Water
 Analysis Batch: 461359

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/04/19 01:12	1

Lab Sample ID: LCS 480-461359/2
 Matrix: Water
 Analysis Batch: 461359

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	398.0	*	mg/L		79	85 - 115

Lab Sample ID: MB 480-462909/1
 Matrix: Water
 Analysis Batch: 462909

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/14/19 08:13	1

Lab Sample ID: LCS 480-462909/2
 Matrix: Water
 Analysis Batch: 462909

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	489.0		mg/L		98	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-149442-1

General Chemistry

Analysis Batch: 460872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149442-1	Effluent 022519	Total/NA	Water	SM 2540D	
MB 480-460872/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-460872/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 461359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149442-1	Effluent 022519	Total/NA	Water	SM2540 C	
MB 480-461359/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-461359/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 462909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149442-1 - RA	Effluent 022519	Total/NA	Water	SM2540 C	
MB 480-462909/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-462909/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-149442-1

Client Sample ID: Effluent 022519

Lab Sample ID: 480-149442-1

Date Collected: 02/25/19 07:20

Matrix: Water

Date Received: 02/26/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	460872	02/27/19 21:53	SMH	TAL BUF
Total/NA	Analysis	SM2540 C		1	461359	03/04/19 01:12	EY	TAL BUF
Total/NA	Analysis	SM2540 C	RA	1	462909	03/14/19 08:13	RAF	TAL BUF

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-149442-1

Laboratory: 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	03-31-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.



Method Summary

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

TestAmerica Job ID: 480-149442-1

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

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

Sample Summary

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

TestAmerica Job ID: 480-149442-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-149442-1	Effluent 022519	Water	02/25/19 07:20	02/26/19 01:00

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

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-149442-1

Login Number: 149442

List Number: 1

Creator: Velickovic, Zoran

List Source: TestAmerica Buffalo

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-150047-1

Client Project/Site: Former Accurate Die Cast

For:

O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

3/22/2019 3:14:00 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

TotalAccess

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

Definitions/Glossary

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

TestAmerica Job ID: 480-150047-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-150047-1

Job ID: 480-150047-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-150047-1

Receipt

The sample was received on 3/12/2019 9:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

General Chemistry

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

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

Detection Summary

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

TestAmerica Job ID: 480-150047-1

Client Sample ID: EFFLUENT 031119

Lab Sample ID: 480-150047-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	617		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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

Client Sample Results

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

TestAmerica Job ID: 480-150047-1

Client Sample ID: EFFLUENT 031119

Lab Sample ID: 480-150047-1

Date Collected: 03/11/19 07:15

Matrix: Water

Date Received: 03/12/19 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	617		10.0	4.0	mg/L			03/13/19 08:40	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/14/19 02:15	1

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

QC Sample Results

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

TestAmerica Job ID: 480-150047-1

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

Lab Sample ID: MB 480-462872/1
 Matrix: Water
 Analysis Batch: 462872

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/14/19 02:15	1

Lab Sample ID: LCS 480-462872/2
 Matrix: Water
 Analysis Batch: 462872

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	241	223.2		mg/L		93	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-462728/1
 Matrix: Water
 Analysis Batch: 462728

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/13/19 08:40	1

Lab Sample ID: LCS 480-462728/2
 Matrix: Water
 Analysis Batch: 462728

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	493.0		mg/L		98	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-150047-1

General Chemistry

Analysis Batch: 462728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150047-1	EFFLUENT 031119	Total/NA	Water	SM2540 C	
MB 480-462728/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-462728/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 462872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150047-1	EFFLUENT 031119	Total/NA	Water	SM 2540D	
MB 480-462872/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-462872/2	Lab Control Sample	Total/NA	Water	SM 2540D	

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

Lab Chronicle

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

TestAmerica Job ID: 480-150047-1

Client Sample ID: EFFLUENT 031119

Lab Sample ID: 480-150047-1

Date Collected: 03/11/19 07:15

Matrix: Water

Date Received: 03/12/19 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	462872	03/14/19 02:15	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	462728	03/13/19 08:40	RAF	TAL BUF

Laboratory References:

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

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-150047-1

Laboratory: 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	03-31-19 *

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-150047-1

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 = 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

TestAmerica Job ID: 480-150047-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-150047-1	EFFLUENT 031119	Water	03/11/19 07:15	03/12/19 09:15

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

Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Carrier Tracking No(s): COC No: 480-122360-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11800225 WO #:		Analysis Requested A - HCL B - NaOH C - Zn Acetate M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - S - T - U - V - W - X - Y - Z - decahydrate e 5 (specify)	
Sample Identification Sample ID: 031119 Sample Date: 3-11-19 Sample Time: 7:15 Sample Type: C Matrix: Water Preservation Code:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids <input checked="" type="checkbox"/> N 2540C - Calcd - Total Dissolved Solids <input checked="" type="checkbox"/> N Total Number of Containers: 2 Special Instructions/Note: <div style="text-align: center; font-size: 2em; font-weight: bold;">Syracuse #225</div>	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Empty Kit Relinquished by: Relinquished by: [Signature] Date: 3-11-19 12:15 Company: OBG		Method of Shipment: Date/Time: 3-11-19 15:15 Company: SFR	
Relinquished by: Relinquished by: [Signature] Date/Time: 3-11-19 19:10 Company: SFR		Received by: Received by: [Signature] Date/Time: 3/12/19 09:15 Company: TAB	
Relinquished by: Relinquished by: [Signature]		Received by: Received by: [Signature]	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: #1 21.0	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-150047-1

Login Number: 150047

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wallace, Cameron

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-149855-1

Client Project/Site: Former Accurate Die Cast

For:

O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

3/19/2019 11:55:33 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

TotalAccess

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	12
QC Sample Results	13
QC Association Summary	20
Lab Chronicle	22
Certification Summary	24
Method Summary	25
Sample Summary	26
Chain of Custody	27
Receipt Checklists	28

Definitions/Glossary

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

TestAmerica Job ID: 480-149855-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-149855-1

Job ID: 480-149855-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-149855-1**

Receipt

The samples were received on 3/7/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8° C.

Receipt Exceptions

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: Influent 030619 (480-149855-3), (480-149855-A-3 MS) and (480-149855-A-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike/matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-461918 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Metals

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

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Effluent 030619

Lab Sample ID: 480-149855-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	641		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: Between Carbon 030619

Lab Sample ID: 480-149855-2

No Detections.

Client Sample ID: Influent 030619

Lab Sample ID: 480-149855-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	13		8.0	3.5	ug/L	8		8260C	Total/NA
Trichloroethene	530	F1	8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: Effluent 030619

Lab Sample ID: 480-149855-4

No Detections.

Client Sample ID: Influent 030619

Lab Sample ID: 480-149855-5

No Detections.

Client Sample ID: Trip Blank

Lab Sample ID: 480-149855-6

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Effluent 030619

Lab Sample ID: 480-149855-1

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		03/08/19 07:32	03/08/19 20:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/08/19 11:10	03/08/19 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	641		10.0	4.0	mg/L			03/11/19 07:58	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/07/19 18:14	1

Client Sample ID: Between Carbon 030619

Lab Sample ID: 480-149855-2

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/07/19 15:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/19 15:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/07/19 15:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/19 15:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/19 15:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/19 15:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/07/19 15:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/07/19 15:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/07/19 15:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/07/19 15:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/19 15:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/19 15:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/07/19 15:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/07/19 15:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/19 15:21	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/19 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/19 15:21	1
Acetone	ND		10	3.0	ug/L			03/07/19 15:21	1
Benzene	ND		1.0	0.41	ug/L			03/07/19 15:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/19 15:21	1
Bromoform	ND		1.0	0.26	ug/L			03/07/19 15:21	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/19 15:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/19 15:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/19 15:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/19 15:21	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/19 15:21	1
Chloroform	ND		1.0	0.34	ug/L			03/07/19 15:21	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/19 15:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/19 15:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/19 15:21	1
Cyclohexane	ND		1.0	0.18	ug/L			03/07/19 15:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/19 15:21	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Between Carbon 030619

Lab Sample ID: 480-149855-2

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/07/19 15:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/19 15:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/07/19 15:21	1
Methyl acetate	ND		2.5	1.3	ug/L			03/07/19 15:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/07/19 15:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/07/19 15:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/19 15:21	1
Styrene	ND		1.0	0.73	ug/L			03/07/19 15:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/19 15:21	1
Toluene	ND		1.0	0.51	ug/L			03/07/19 15:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/19 15:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/19 15:21	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/19 15:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/07/19 15:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/19 15:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/19 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		03/07/19 15:21	1
4-Bromofluorobenzene (Surr)	96		73 - 120		03/07/19 15:21	1
Dibromofluoromethane (Surr)	98		75 - 123		03/07/19 15:21	1
Toluene-d8 (Surr)	99		80 - 120		03/07/19 15:21	1

Client Sample ID: Influent 030619

Lab Sample ID: 480-149855-3

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			03/07/19 15:48	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			03/07/19 15:48	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			03/07/19 15:48	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			03/07/19 15:48	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			03/07/19 15:48	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			03/07/19 15:48	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			03/07/19 15:48	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			03/07/19 15:48	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			03/07/19 15:48	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			03/07/19 15:48	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			03/07/19 15:48	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			03/07/19 15:48	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			03/07/19 15:48	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			03/07/19 15:48	8
2-Butanone (MEK)	ND		80	11	ug/L			03/07/19 15:48	8
2-Hexanone	ND		40	9.9	ug/L			03/07/19 15:48	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			03/07/19 15:48	8
Acetone	ND		80	24	ug/L			03/07/19 15:48	8
Benzene	ND		8.0	3.3	ug/L			03/07/19 15:48	8
Bromodichloromethane	ND		8.0	3.1	ug/L			03/07/19 15:48	8
Bromoform	ND		8.0	2.1	ug/L			03/07/19 15:48	8

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Influent 030619

Lab Sample ID: 480-149855-3

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		8.0	5.5	ug/L			03/07/19 15:48	8
Carbon disulfide	ND		8.0	1.5	ug/L			03/07/19 15:48	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			03/07/19 15:48	8
Chlorobenzene	ND		8.0	6.0	ug/L			03/07/19 15:48	8
Chloroethane	ND		8.0	2.6	ug/L			03/07/19 15:48	8
Chloroform	ND		8.0	2.7	ug/L			03/07/19 15:48	8
Chloromethane	ND		8.0	2.8	ug/L			03/07/19 15:48	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			03/07/19 15:48	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			03/07/19 15:48	8
Cyclohexane	ND		8.0	1.4	ug/L			03/07/19 15:48	8
Dibromochloromethane	ND		8.0	2.6	ug/L			03/07/19 15:48	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			03/07/19 15:48	8
Ethylbenzene	ND		8.0	5.9	ug/L			03/07/19 15:48	8
Isopropylbenzene	ND		8.0	6.3	ug/L			03/07/19 15:48	8
Methyl acetate	ND		20	10	ug/L			03/07/19 15:48	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			03/07/19 15:48	8
Methylcyclohexane	ND		8.0	1.3	ug/L			03/07/19 15:48	8
Methylene Chloride	13		8.0	3.5	ug/L			03/07/19 15:48	8
Styrene	ND		8.0	5.8	ug/L			03/07/19 15:48	8
Tetrachloroethene	ND		8.0	2.9	ug/L			03/07/19 15:48	8
Toluene	ND		8.0	4.1	ug/L			03/07/19 15:48	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			03/07/19 15:48	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			03/07/19 15:48	8
Trichloroethene	530 F1		8.0	3.7	ug/L			03/07/19 15:48	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			03/07/19 15:48	8
Vinyl chloride	ND		8.0	7.2	ug/L			03/07/19 15:48	8
Xylenes, Total	ND		16	5.3	ug/L			03/07/19 15:48	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		03/07/19 15:48	8
4-Bromofluorobenzene (Surr)	95		73 - 120		03/07/19 15:48	8
Dibromofluoromethane (Surr)	96		75 - 123		03/07/19 15:48	8
Toluene-d8 (Surr)	99		80 - 120		03/07/19 15:48	8

Client Sample ID: Effluent 030619

Lab Sample ID: 480-149855-4

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/07/19 16:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/19 16:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/07/19 16:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/19 16:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/19 16:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/19 16:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/07/19 16:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/07/19 16:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/07/19 16:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/07/19 16:15	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Effluent 030619

Lab Sample ID: 480-149855-4

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/19 16:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/19 16:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/07/19 16:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/07/19 16:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/19 16:15	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/19 16:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/19 16:15	1
Acetone	ND		10	3.0	ug/L			03/07/19 16:15	1
Benzene	ND		1.0	0.41	ug/L			03/07/19 16:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/19 16:15	1
Bromoform	ND		1.0	0.26	ug/L			03/07/19 16:15	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/19 16:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/19 16:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/19 16:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/19 16:15	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/19 16:15	1
Chloroform	ND		1.0	0.34	ug/L			03/07/19 16:15	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/19 16:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/19 16:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/19 16:15	1
Cyclohexane	ND		1.0	0.18	ug/L			03/07/19 16:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/19 16:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/07/19 16:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/19 16:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/07/19 16:15	1
Methyl acetate	ND		2.5	1.3	ug/L			03/07/19 16:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/07/19 16:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/07/19 16:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/19 16:15	1
Styrene	ND		1.0	0.73	ug/L			03/07/19 16:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/19 16:15	1
Toluene	ND		1.0	0.51	ug/L			03/07/19 16:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/19 16:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/19 16:15	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/19 16:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/07/19 16:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/19 16:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/19 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		03/07/19 16:15	1
4-Bromofluorobenzene (Surr)	99		73 - 120		03/07/19 16:15	1
Dibromofluoromethane (Surr)	98		75 - 123		03/07/19 16:15	1
Toluene-d8 (Surr)	98		80 - 120		03/07/19 16:15	1

Client Sample Results

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Influent 030619

Lab Sample ID: 480-149855-5

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		03/08/19 07:32	03/08/19 21:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/08/19 11:10	03/08/19 13:54	1

Client Sample ID: Trip Blank

Lab Sample ID: 480-149855-6

Date Collected: 03/06/19 00:00

Matrix: Water

Date Received: 03/07/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/07/19 16:42	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/19 16:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/07/19 16:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/19 16:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/19 16:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/19 16:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/07/19 16:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/07/19 16:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/07/19 16:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/07/19 16:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/19 16:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/19 16:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/07/19 16:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/07/19 16:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/19 16:42	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/19 16:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/19 16:42	1
Acetone	ND		10	3.0	ug/L			03/07/19 16:42	1
Benzene	ND		1.0	0.41	ug/L			03/07/19 16:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/19 16:42	1
Bromoform	ND		1.0	0.26	ug/L			03/07/19 16:42	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/19 16:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/19 16:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/19 16:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/19 16:42	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/19 16:42	1
Chloroform	ND		1.0	0.34	ug/L			03/07/19 16:42	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/19 16:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/19 16:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/19 16:42	1
Cyclohexane	ND		1.0	0.18	ug/L			03/07/19 16:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/19 16:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/07/19 16:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/19 16:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/07/19 16:42	1
Methyl acetate	ND		2.5	1.3	ug/L			03/07/19 16:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/07/19 16:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/07/19 16:42	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-149855-6

Date Collected: 03/06/19 00:00

Matrix: Water

Date Received: 03/07/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/19 16:42	1
Styrene	ND		1.0	0.73	ug/L			03/07/19 16:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/19 16:42	1
Toluene	ND		1.0	0.51	ug/L			03/07/19 16:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/19 16:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/19 16:42	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/19 16:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/07/19 16:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/19 16:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/19 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		03/07/19 16:42	1
4-Bromofluorobenzene (Surr)	97		73 - 120		03/07/19 16:42	1
Dibromofluoromethane (Surr)	97		75 - 123		03/07/19 16:42	1
Toluene-d8 (Surr)	100		80 - 120		03/07/19 16:42	1

Surrogate Summary

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

TestAmerica Job ID: 480-149855-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(77-120)	(73-120)	(75-123)	(80-120)
480-149855-2	Between Carbon 030619	99	96	98	99
480-149855-3	Influent 030619	98	95	96	99
480-149855-3 MS	Influent 030619	98	101	101	102
480-149855-3 MSD	Influent 030619	95	100	97	100
480-149855-4	Effluent 030619	98	99	98	98
480-149855-6	Trip Blank	97	97	97	100
LCS 480-461918/5	Lab Control Sample	100	96	100	102
MB 480-461918/7	Method Blank	101	99	99	100

Surrogate Legend

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

QC Sample Results

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

TestAmerica Job ID: 480-149855-1

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

Lab Sample ID: MB 480-461918/7

Matrix: Water

Analysis Batch: 461918

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/07/19 10:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/19 10:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/07/19 10:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/19 10:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/19 10:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/19 10:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/07/19 10:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/07/19 10:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/07/19 10:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/07/19 10:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/19 10:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/19 10:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/07/19 10:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/07/19 10:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/19 10:42	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/19 10:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/19 10:42	1
Acetone	ND		10	3.0	ug/L			03/07/19 10:42	1
Benzene	ND		1.0	0.41	ug/L			03/07/19 10:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/19 10:42	1
Bromoform	ND		1.0	0.26	ug/L			03/07/19 10:42	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/19 10:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/19 10:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/19 10:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/19 10:42	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/19 10:42	1
Chloroform	ND		1.0	0.34	ug/L			03/07/19 10:42	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/19 10:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/19 10:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/19 10:42	1
Cyclohexane	ND		1.0	0.18	ug/L			03/07/19 10:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/19 10:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/07/19 10:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/19 10:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/07/19 10:42	1
Methyl acetate	ND		2.5	1.3	ug/L			03/07/19 10:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/07/19 10:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/07/19 10:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/19 10:42	1
Styrene	ND		1.0	0.73	ug/L			03/07/19 10:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/19 10:42	1
Toluene	ND		1.0	0.51	ug/L			03/07/19 10:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/19 10:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/19 10:42	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/19 10:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/07/19 10:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/19 10:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/19 10:42	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149855-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		03/07/19 10:42	1
4-Bromofluorobenzene (Surr)	99		73 - 120		03/07/19 10:42	1
Dibromofluoromethane (Surr)	99		75 - 123		03/07/19 10:42	1
Toluene-d8 (Surr)	100		80 - 120		03/07/19 10:42	1

Lab Sample ID: LCS 480-461918/5

Matrix: Water

Analysis Batch: 461918

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	27.0		ug/L		108	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.4		ug/L		102	61 - 148
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	76 - 122
1,1-Dichloroethane	25.0	25.4		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	27.1		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.6		ug/L		106	56 - 134
1,2-Dibromoethane	25.0	25.7		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	25.5		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	26.0		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	118		ug/L		94	56 - 142
Benzene	25.0	25.6		ug/L		102	71 - 124
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Bromoform	25.0	27.2		ug/L		109	61 - 132
Bromomethane	25.0	22.0		ug/L		88	55 - 144
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	25.7		ug/L		103	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Chloroethane	25.0	24.5		ug/L		98	69 - 136
Chloroform	25.0	24.6		ug/L		98	73 - 127
Chloromethane	25.0	23.4		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	27.7		ug/L		111	74 - 124
Cyclohexane	25.0	24.9		ug/L		100	59 - 135
Dibromochloromethane	25.0	27.5		ug/L		110	75 - 125
Dichlorodifluoromethane	25.0	23.7		ug/L		95	59 - 135
Ethylbenzene	25.0	26.1		ug/L		104	77 - 123
Isopropylbenzene	25.0	27.8		ug/L		111	77 - 122
Methyl acetate	50.0	49.9		ug/L		100	74 - 133
Methyl tert-butyl ether	25.0	26.6		ug/L		106	77 - 120
Methylcyclohexane	25.0	26.2		ug/L		105	68 - 134
Methylene Chloride	25.0	25.6		ug/L		102	75 - 124
Styrene	25.0	27.1		ug/L		109	80 - 120
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	25.6		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		101	73 - 127

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149855-1

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

Lab Sample ID: LCS 480-461918/5

Matrix: Water

Analysis Batch: 461918

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	28.2		ug/L		113	80 - 120
Trichloroethene	25.0	26.5		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	25.6		ug/L		102	62 - 150
Vinyl chloride	25.0	24.9		ug/L		99	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	100		75 - 123
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 480-149855-3 MS

Matrix: Water

Analysis Batch: 461918

Client Sample ID: Influent 030619

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		200	197		ug/L		98	73 - 126
1,1,1,2-Tetrachloroethane	ND		200	209		ug/L		104	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	200		ug/L		100	61 - 148
1,1,2-Trichloroethane	ND		200	206		ug/L		103	76 - 122
1,1-Dichloroethane	ND		200	190		ug/L		95	77 - 120
1,1-Dichloroethene	ND		200	193		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	ND		200	194		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	ND		200	208		ug/L		104	56 - 134
1,2-Dibromoethane	ND		200	202		ug/L		101	77 - 120
1,2-Dichlorobenzene	ND		200	194		ug/L		97	80 - 124
1,2-Dichloroethane	ND		200	186		ug/L		93	75 - 120
1,2-Dichloropropane	ND		200	197		ug/L		98	76 - 120
1,3-Dichlorobenzene	ND		200	195		ug/L		97	77 - 120
1,4-Dichlorobenzene	ND		200	193		ug/L		96	78 - 124
2-Butanone (MEK)	ND		1000	991		ug/L		99	57 - 140
2-Hexanone	ND		1000	1020		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		1000	1050		ug/L		105	71 - 125
Acetone	ND		1000	935		ug/L		94	56 - 142
Benzene	ND		200	196		ug/L		98	71 - 124
Bromodichloromethane	ND		200	198		ug/L		99	80 - 122
Bromoform	ND		200	204		ug/L		102	61 - 132
Bromomethane	ND		200	165		ug/L		82	55 - 144
Carbon disulfide	ND		200	184		ug/L		92	59 - 134
Carbon tetrachloride	ND		200	206		ug/L		103	72 - 134
Chlorobenzene	ND		200	197		ug/L		98	80 - 120
Chloroethane	ND		200	178		ug/L		89	69 - 136
Chloroform	ND		200	189		ug/L		94	73 - 127
Chloromethane	ND		200	175		ug/L		88	68 - 124
cis-1,2-Dichloroethene	ND		200	195		ug/L		97	74 - 124
cis-1,3-Dichloropropene	ND		200	193		ug/L		96	74 - 124
Cyclohexane	ND		200	202		ug/L		101	59 - 135

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149855-1

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

Lab Sample ID: 480-149855-3 MS

Matrix: Water

Analysis Batch: 461918

Client Sample ID: Influent 030619

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Dibromochloromethane	ND		200	207		ug/L		103	75 - 125
Dichlorodifluoromethane	ND		200	184		ug/L		92	59 - 135
Ethylbenzene	ND		200	199		ug/L		100	77 - 123
Isopropylbenzene	ND		200	209		ug/L		105	77 - 122
Methyl acetate	ND		400	381		ug/L		95	74 - 133
Methyl tert-butyl ether	ND		200	192		ug/L		96	77 - 120
Methylcyclohexane	ND		200	197		ug/L		98	68 - 134
Methylene Chloride	13		200	218		ug/L		102	75 - 124
Styrene	ND		200	206		ug/L		103	80 - 120
Tetrachloroethene	ND		200	199		ug/L		100	74 - 122
Toluene	ND		200	196		ug/L		98	80 - 122
trans-1,2-Dichloroethene	ND		200	190		ug/L		95	73 - 127
trans-1,3-Dichloropropene	ND		200	201		ug/L		100	80 - 120
Trichloroethene	530	F1	200	485	F1	ug/L		-22	74 - 123
Trichlorofluoromethane	ND		200	192		ug/L		96	62 - 150
Vinyl chloride	ND		200	187		ug/L		93	65 - 133

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

Lab Sample ID: 480-149855-3 MSD

Matrix: Water

Analysis Batch: 461918

Client Sample ID: Influent 030619

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
1,1,1-Trichloroethane	ND		200	197		ug/L		98	73 - 126	0	15
1,1,1,2-Tetrachloroethane	ND		200	205		ug/L		102	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	200		ug/L		100	61 - 148	0	20
1,1,2-Trichloroethane	ND		200	197		ug/L		99	76 - 122	4	15
1,1-Dichloroethane	ND		200	194		ug/L		97	77 - 120	2	20
1,1-Dichloroethene	ND		200	190		ug/L		95	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		200	200		ug/L		100	79 - 122	3	20
1,2-Dibromo-3-Chloropropane	ND		200	202		ug/L		101	56 - 134	3	15
1,2-Dibromoethane	ND		200	201		ug/L		100	77 - 120	0	15
1,2-Dichlorobenzene	ND		200	195		ug/L		97	80 - 124	0	20
1,2-Dichloroethane	ND		200	182		ug/L		91	75 - 120	2	20
1,2-Dichloropropane	ND		200	200		ug/L		100	76 - 120	2	20
1,3-Dichlorobenzene	ND		200	198		ug/L		99	77 - 120	2	20
1,4-Dichlorobenzene	ND		200	196		ug/L		98	78 - 124	2	20
2-Butanone (MEK)	ND		1000	1030		ug/L		103	57 - 140	4	20
2-Hexanone	ND		1000	1080		ug/L		108	65 - 127	6	15
4-Methyl-2-pentanone (MIBK)	ND		1000	1050		ug/L		105	71 - 125	0	35
Acetone	ND		1000	912		ug/L		91	56 - 142	3	15
Benzene	ND		200	194		ug/L		97	71 - 124	1	13

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149855-1

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

Lab Sample ID: 480-149855-3 MSD

Matrix: Water

Analysis Batch: 461918

Client Sample ID: Influent 030619

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bromodichloromethane	ND		200	198		ug/L		99	80 - 122	0	15
Bromoform	ND		200	207		ug/L		104	61 - 132	2	15
Bromomethane	ND		200	165		ug/L		83	55 - 144	0	15
Carbon disulfide	ND		200	184		ug/L		92	59 - 134	0	15
Carbon tetrachloride	ND		200	209		ug/L		105	72 - 134	1	15
Chlorobenzene	ND		200	197		ug/L		99	80 - 120	0	25
Chloroethane	ND		200	182		ug/L		91	69 - 136	2	15
Chloroform	ND		200	187		ug/L		93	73 - 127	1	20
Chloromethane	ND		200	179		ug/L		90	68 - 124	2	15
cis-1,2-Dichloroethene	ND		200	191		ug/L		95	74 - 124	2	15
cis-1,3-Dichloropropene	ND		200	199		ug/L		100	74 - 124	3	15
Cyclohexane	ND		200	202		ug/L		101	59 - 135	0	20
Dibromochloromethane	ND		200	207		ug/L		104	75 - 125	0	15
Dichlorodifluoromethane	ND		200	178		ug/L		89	59 - 135	3	20
Ethylbenzene	ND		200	202		ug/L		101	77 - 123	1	15
Isopropylbenzene	ND		200	208		ug/L		104	77 - 122	1	20
Methyl acetate	ND		400	384		ug/L		96	74 - 133	1	20
Methyl tert-butyl ether	ND		200	193		ug/L		97	77 - 120	1	37
Methylcyclohexane	ND		200	206		ug/L		103	68 - 134	4	20
Methylene Chloride	13		200	209		ug/L		98	75 - 124	4	15
Styrene	ND		200	205		ug/L		103	80 - 120	0	20
Tetrachloroethene	ND		200	197		ug/L		99	74 - 122	1	20
Toluene	ND		200	198		ug/L		99	80 - 122	1	15
trans-1,2-Dichloroethene	ND		200	193		ug/L		96	73 - 127	2	20
trans-1,3-Dichloropropene	ND		200	202		ug/L		101	80 - 120	0	15
Trichloroethene	530	F1	200	494	F1	ug/L		-17	74 - 123	2	16
Trichlorofluoromethane	ND		200	198		ug/L		99	62 - 150	3	20
Vinyl chloride	ND		200	193		ug/L		97	65 - 133	3	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	97		75 - 123
Toluene-d8 (Surr)	100		80 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-462059/1-A

Matrix: Water

Analysis Batch: 462352

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 462059

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Zinc	ND		0.010	0.0015	mg/L		03/08/19 07:32	03/08/19 18:54	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149855-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-462059/2-A
 Matrix: Water
 Analysis Batch: 462352

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 462059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.212		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-462167/1-A
 Matrix: Water
 Analysis Batch: 462211

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 462167

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/08/19 11:10	03/08/19 13:37	1

Lab Sample ID: LCS 480-462167/2-A
 Matrix: Water
 Analysis Batch: 462211

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 462167

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00715		mg/L		107	80 - 120

Lab Sample ID: 480-149855-1 MS
 Matrix: Water
 Analysis Batch: 462211

Client Sample ID: Effluent 030619
 Prep Type: Total/NA
 Prep Batch: 462167

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00670		mg/L		100	80 - 120

Lab Sample ID: 480-149855-1 MSD
 Matrix: Water
 Analysis Batch: 462211

Client Sample ID: Effluent 030619
 Prep Type: Total/NA
 Prep Batch: 462167

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	ND		0.00667	0.00695		mg/L		104	80 - 120	4	20

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

Lab Sample ID: MB 480-462073/1
 Matrix: Water
 Analysis Batch: 462073

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/07/19 18:14	1

Lab Sample ID: LCS 480-462073/2
 Matrix: Water
 Analysis Batch: 462073

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	250	238.4		mg/L		96	88 - 110

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149855-1

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

Lab Sample ID: 480-149855-1 DU
 Matrix: Water
 Analysis Batch: 462073

Client Sample ID: Effluent 030619
 Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-462327/1
 Matrix: Water
 Analysis Batch: 462327

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/11/19 07:58	1

Lab Sample ID: LCS 480-462327/2
 Matrix: Water
 Analysis Batch: 462327

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	520.0		mg/L		104	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-149855-1

GC/MS VOA

Analysis Batch: 461918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149855-2	Between Carbon 030619	Total/NA	Water	8260C	
480-149855-3	Influent 030619	Total/NA	Water	8260C	
480-149855-4	Effluent 030619	Total/NA	Water	8260C	
480-149855-6	Trip Blank	Total/NA	Water	8260C	
MB 480-461918/7	Method Blank	Total/NA	Water	8260C	
LCS 480-461918/5	Lab Control Sample	Total/NA	Water	8260C	
480-149855-3 MS	Influent 030619	Total/NA	Water	8260C	
480-149855-3 MSD	Influent 030619	Total/NA	Water	8260C	

Metals

Prep Batch: 462059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149855-1	Effluent 030619	Total/NA	Water	3005A	
480-149855-5	Influent 030619	Total/NA	Water	3005A	
MB 480-462059/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-462059/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 462167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149855-1	Effluent 030619	Total/NA	Water	7470A	
480-149855-5	Influent 030619	Total/NA	Water	7470A	
MB 480-462167/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-462167/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-149855-1 MS	Effluent 030619	Total/NA	Water	7470A	
480-149855-1 MSD	Effluent 030619	Total/NA	Water	7470A	

Analysis Batch: 462211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149855-1	Effluent 030619	Total/NA	Water	7470A	462167
480-149855-5	Influent 030619	Total/NA	Water	7470A	462167
MB 480-462167/1-A	Method Blank	Total/NA	Water	7470A	462167
LCS 480-462167/2-A	Lab Control Sample	Total/NA	Water	7470A	462167
480-149855-1 MS	Effluent 030619	Total/NA	Water	7470A	462167
480-149855-1 MSD	Effluent 030619	Total/NA	Water	7470A	462167

Analysis Batch: 462352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149855-1	Effluent 030619	Total/NA	Water	6010C	462059
480-149855-5	Influent 030619	Total/NA	Water	6010C	462059
MB 480-462059/1-A	Method Blank	Total/NA	Water	6010C	462059
LCS 480-462059/2-A	Lab Control Sample	Total/NA	Water	6010C	462059

General Chemistry

Analysis Batch: 462073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149855-1	Effluent 030619	Total/NA	Water	SM 2540D	
MB 480-462073/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-462073/2	Lab Control Sample	Total/NA	Water	SM 2540D	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-149855-1

General Chemistry (Continued)

Analysis Batch: 462073 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149855-1 DU	Effluent 030619	Total/NA	Water	SM 2540D	

Analysis Batch: 462327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149855-1	Effluent 030619	Total/NA	Water	SM2540 C	
MB 480-462327/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-462327/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Effluent 030619

Lab Sample ID: 480-149855-1

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			462059	03/08/19 07:32	MV	TAL BUF
Total/NA	Analysis	6010C		1	462352	03/08/19 20:57	EMB	TAL BUF
Total/NA	Prep	7470A			462167	03/08/19 11:10	BMB	TAL BUF
Total/NA	Analysis	7470A		1	462211	03/08/19 13:46	BMB	TAL BUF
Total/NA	Analysis	SM 2540D		1	462073	03/07/19 18:14	SMH	TAL BUF
Total/NA	Analysis	SM2540 C		1	462327	03/11/19 07:58	RAF	TAL BUF

Client Sample ID: Between Carbon 030619

Lab Sample ID: 480-149855-2

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	461918	03/07/19 15:21	AEM	TAL BUF

Client Sample ID: Influent 030619

Lab Sample ID: 480-149855-3

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	461918	03/07/19 15:48	AEM	TAL BUF

Client Sample ID: Effluent 030619

Lab Sample ID: 480-149855-4

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	461918	03/07/19 16:15	AEM	TAL BUF

Client Sample ID: Influent 030619

Lab Sample ID: 480-149855-5

Date Collected: 03/06/19 07:30

Matrix: Water

Date Received: 03/07/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			462059	03/08/19 07:32	MV	TAL BUF
Total/NA	Analysis	6010C		1	462352	03/08/19 21:01	EMB	TAL BUF
Total/NA	Prep	7470A			462167	03/08/19 11:10	BMB	TAL BUF
Total/NA	Analysis	7470A		1	462211	03/08/19 13:54	BMB	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-149855-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-149855-6

Date Collected: 03/06/19 00:00

Matrix: Water

Date Received: 03/07/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	461918	03/07/19 16:42	AEM	TAL BUF

Laboratory References:

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

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

Accreditation/Certification Summary

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

TestAmerica Job ID: 480-149855-1

Laboratory: 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	03-31-19 *

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-149855-1

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 = 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

TestAmerica Job ID: 480-149855-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-149855-1	Effluent 030619	Water	03/06/19 07:30	03/07/19 01:00
480-149855-2	Between Carbon 030619	Water	03/06/19 07:30	03/07/19 01:00
480-149855-3	Influent 030619	Water	03/06/19 07:30	03/07/19 01:00
480-149855-4	Effluent 030619	Water	03/06/19 07:30	03/07/19 01:00
480-149855-5	Influent 030619	Water	03/06/19 07:30	03/07/19 01:00
480-149855-6	Trip Blank	Water	03/06/19 00:00	03/07/19 01:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody Record

Client Information		Sampler: <i>Maria Koehnke</i>		Lab PM: Deyo, Melissa L		COC No: 480-122344-10589.1	
Client Contact: Mr. Yuri Veliz		Phone: 315-729-1300		E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1	
Company: O'Brien & Gere Inc of North America		Address: 333 West Washington St. PO BOX 4873		City: East Syracuse		State, Zip: NY, 13221	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		PO #: 11900114		WO #: 48008584		Project #: 48008584	
Email: Yuri.Veliz@obg.com		Former Accurate Die Cast		Site:		SSOW#:	
Due Date Requested:		TAT Requested (days):		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)	
Sample Date		Sample Time		Sample Type (C-Comp, G-grab)		Matrix (W-water, S-solid, O-wasteoil, BT-Tissue, A-Air)	
Sample Identification		Sample Date		Sample Time		Sample Type (C-Comp, G-grab)	
Effluent 030619		3-6-19		7:30		C	
Between Carbons 030619		3-6-19		7:30		G	
Influent 030619		3-6-19		7:30		G	
Effluent 030619		3-6-19		7:30		G	
Influent 030619		3-6-19		7:30		C	
3-6-19		3-6-19		7:30		C	
Possible Hazard Identification		Sample Date		Sample Time		Sample Type (C-Comp, G-grab)	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		3-6-19		7:30		C	
Deliverable Requested: I, II, III, IV, Other (specify)		Date/Time: 3-6-19 / 10:00		Date/Time: 3-6-19 / 19:00		Date/Time: 3-6-19 / 19:00	
Empty Kit Relinquished by: <i>Maria Koehnke</i>		Date: 3-6-19		Time: 10:00		Company: OBG	
Relinquished by: <i>RE H9 LIC</i>		Date/Time: 3-6-19 / 19:00		Date/Time: 3-6-19 / 19:00		Date/Time: 3-6-19 / 19:00	
Relinquished by:		Date/Time:		Date/Time:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.8 #4		Company: Company	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-149855-1

Login Number: 149855

List Source: TestAmerica Buffalo

List Number: 1

Creator: Velickovic, Zoran

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	No: Received Trip Blank(s) not listed on COC.
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 Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-149153-1

Client Project/Site: Former Accurate Die Cast

For:

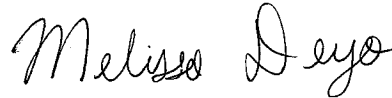
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

3/5/2019 8:27:51 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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	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

Definitions/Glossary

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

TestAmerica Job ID: 480-149153-1

Qualifiers

GC/MS VOA

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

General Chemistry

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

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-149153-1

Job ID: 480-149153-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-149153-1**

Receipt

The samples were received on 2/19/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2° C.

GC/MS VOA

Method(s) 8260C: The surrogate 1,2-Dichloroethane-d4 (SURRE) was outside the 20%D limit in the continuing calibration verification (CCV) but was within laboratory limits. The following samples are impacted: Effluent 021819 (480-149153-2) and (CCVIS 480-459600/3).

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

General Chemistry

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



Detection Summary

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

TestAmerica Job ID: 480-149153-1

Client Sample ID: Effluent 021819

Lab Sample ID: 480-149153-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	615	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: Effluent 021819

Lab Sample ID: 480-149153-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		10	3.0	ug/L	1		8260C	Total/NA
Carbon disulfide	0.26	J	1.0	0.19	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



Client Sample Results

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

TestAmerica Job ID: 480-149153-1

Client Sample ID: Effluent 021819

Lab Sample ID: 480-149153-1

Date Collected: 02/18/19 07:15

Matrix: Water

Date Received: 02/19/19 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	615	B	10.0	4.0	mg/L			02/19/19 02:19	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/21/19 03:14	1

Client Sample ID: Effluent 021819

Lab Sample ID: 480-149153-2

Date Collected: 02/18/19 07:15

Matrix: Water

Date Received: 02/19/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/19/19 11:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/19/19 11:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/19/19 11:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/19/19 11:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/19/19 11:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/19/19 11:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/19/19 11:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/19/19 11:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/19/19 11:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/19/19 11:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/19/19 11:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/19/19 11:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/19/19 11:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/19/19 11:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/19/19 11:40	1
2-Hexanone	ND		5.0	1.2	ug/L			02/19/19 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/19/19 11:40	1
Acetone	11		10	3.0	ug/L			02/19/19 11:40	1
Benzene	ND		1.0	0.41	ug/L			02/19/19 11:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/19/19 11:40	1
Bromoform	ND		1.0	0.26	ug/L			02/19/19 11:40	1
Bromomethane	ND		1.0	0.69	ug/L			02/19/19 11:40	1
Carbon disulfide	0.26	J	1.0	0.19	ug/L			02/19/19 11:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/19/19 11:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/19/19 11:40	1
Chloroethane	ND		1.0	0.32	ug/L			02/19/19 11:40	1
Chloroform	ND		1.0	0.34	ug/L			02/19/19 11:40	1
Chloromethane	ND		1.0	0.35	ug/L			02/19/19 11:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/19/19 11:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/19/19 11:40	1
Cyclohexane	ND		1.0	0.18	ug/L			02/19/19 11:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/19/19 11:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/19/19 11:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/19/19 11:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/19/19 11:40	1
Methyl acetate	ND		2.5	1.3	ug/L			02/19/19 11:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/19/19 11:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/19/19 11:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/19/19 11:40	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-149153-1

Client Sample ID: Effluent 021819

Lab Sample ID: 480-149153-2

Date Collected: 02/18/19 07:15

Matrix: Water

Date Received: 02/19/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			02/19/19 11:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/19/19 11:40	1
Toluene	ND		1.0	0.51	ug/L			02/19/19 11:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/19/19 11:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/19/19 11:40	1
Trichloroethene	ND		1.0	0.46	ug/L			02/19/19 11:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/19/19 11:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/19/19 11:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/19/19 11:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		77 - 120					02/19/19 11:40	1
4-Bromofluorobenzene (Surr)	112		73 - 120					02/19/19 11:40	1
Dibromofluoromethane (Surr)	83		75 - 123					02/19/19 11:40	1
Toluene-d8 (Surr)	88		80 - 120					02/19/19 11:40	1

Surrogate Summary

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

TestAmerica Job ID: 480-149153-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(77-120)	(73-120)	(75-123)	(80-120)
480-149153-2	Effluent 021819	80	112	83	88
LCS 480-459600/5	Lab Control Sample	80	114	82	93
MB 480-459600/7	Method Blank	80	115	85	90

Surrogate Legend

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

QC Sample Results

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

TestAmerica Job ID: 480-149153-1

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

Lab Sample ID: MB 480-459600/7

Matrix: Water

Analysis Batch: 459600

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/19/19 09:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/19/19 09:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/19/19 09:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/19/19 09:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/19/19 09:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/19/19 09:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/19/19 09:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/19/19 09:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/19/19 09:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/19/19 09:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/19/19 09:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/19/19 09:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/19/19 09:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/19/19 09:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/19/19 09:54	1
2-Hexanone	ND		5.0	1.2	ug/L			02/19/19 09:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/19/19 09:54	1
Acetone	ND		10	3.0	ug/L			02/19/19 09:54	1
Benzene	ND		1.0	0.41	ug/L			02/19/19 09:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/19/19 09:54	1
Bromoform	ND		1.0	0.26	ug/L			02/19/19 09:54	1
Bromomethane	ND		1.0	0.69	ug/L			02/19/19 09:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/19/19 09:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/19/19 09:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/19/19 09:54	1
Chloroethane	ND		1.0	0.32	ug/L			02/19/19 09:54	1
Chloroform	ND		1.0	0.34	ug/L			02/19/19 09:54	1
Chloromethane	ND		1.0	0.35	ug/L			02/19/19 09:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/19/19 09:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/19/19 09:54	1
Cyclohexane	ND		1.0	0.18	ug/L			02/19/19 09:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/19/19 09:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/19/19 09:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/19/19 09:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/19/19 09:54	1
Methyl acetate	ND		2.5	1.3	ug/L			02/19/19 09:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/19/19 09:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/19/19 09:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/19/19 09:54	1
Styrene	ND		1.0	0.73	ug/L			02/19/19 09:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/19/19 09:54	1
Toluene	ND		1.0	0.51	ug/L			02/19/19 09:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/19/19 09:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/19/19 09:54	1
Trichloroethene	ND		1.0	0.46	ug/L			02/19/19 09:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/19/19 09:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/19/19 09:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/19/19 09:54	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149153-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	80		77 - 120		02/19/19 09:54	1
4-Bromofluorobenzene (Surr)	115		73 - 120		02/19/19 09:54	1
Dibromofluoromethane (Surr)	85		75 - 123		02/19/19 09:54	1
Toluene-d8 (Surr)	90		80 - 120		02/19/19 09:54	1

Lab Sample ID: LCS 480-459600/5

Matrix: Water

Analysis Batch: 459600

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.3		ug/L		85	61 - 148
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	22.4		ug/L		89	77 - 120
1,1-Dichloroethene	25.0	21.4		ug/L		86	66 - 127
1,2,4-Trichlorobenzene	25.0	24.0		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.1		ug/L		88	56 - 134
1,2-Dibromoethane	25.0	24.9		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	22.0		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	117		ug/L		94	56 - 142
Benzene	25.0	22.7		ug/L		91	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		96	80 - 122
Bromoform	25.0	26.1		ug/L		105	61 - 132
Bromomethane	25.0	20.7		ug/L		83	55 - 144
Carbon disulfide	25.0	21.8		ug/L		87	59 - 134
Carbon tetrachloride	25.0	21.1		ug/L		85	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Chloroethane	25.0	21.4		ug/L		85	69 - 136
Chloroform	25.0	22.2		ug/L		89	73 - 127
Chloromethane	25.0	21.7		ug/L		87	68 - 124
cis-1,2-Dichloroethene	25.0	22.8		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Cyclohexane	25.0	21.2		ug/L		85	59 - 135
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Dichlorodifluoromethane	25.0	21.1		ug/L		84	59 - 135
Ethylbenzene	25.0	23.7		ug/L		95	77 - 123
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
Methyl acetate	50.0	43.4		ug/L		87	74 - 133
Methyl tert-butyl ether	25.0	23.7		ug/L		95	77 - 120
Methylcyclohexane	25.0	21.2		ug/L		85	68 - 134
Methylene Chloride	25.0	24.1		ug/L		96	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122
Toluene	25.0	23.9		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	22.1		ug/L		88	73 - 127

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149153-1

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

Lab Sample ID: LCS 480-459600/5
 Matrix: Water
 Analysis Batch: 459600

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	24.7		ug/L		99	80 - 120
Trichloroethene	25.0	21.4		ug/L		86	74 - 123
Trichlorofluoromethane	25.0	19.1		ug/L		76	62 - 150
Vinyl chloride	25.0	20.2		ug/L		81	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	80		77 - 120
4-Bromofluorobenzene (Surr)	114		73 - 120
Dibromofluoromethane (Surr)	82		75 - 123
Toluene-d8 (Surr)	93		80 - 120

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

Lab Sample ID: MB 480-459946/1
 Matrix: Water
 Analysis Batch: 459946

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/21/19 03:14	1

Lab Sample ID: LCS 480-459946/2
 Matrix: Water
 Analysis Batch: 459946

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	242	238.8		mg/L		99	88 - 110

Lab Sample ID: 480-149153-1 DU
 Matrix: Water
 Analysis Batch: 459946

Client Sample ID: Effluent 021819
 Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-459592/1
 Matrix: Water
 Analysis Batch: 459592

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.00	J	10.0	4.0	mg/L			02/19/19 02:19	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-149153-1

Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: LCS 480-459592/2

Matrix: Water

Analysis Batch: 459592

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	538.0		mg/L		107	85 - 115

Lab Sample ID: 480-149153-1 DU

Matrix: Water

Analysis Batch: 459592

Client Sample ID: Effluent 021819

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	615	B	628.0		mg/L		2	10



QC Association Summary

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

TestAmerica Job ID: 480-149153-1

GC/MS VOA

Analysis Batch: 459600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149153-2	Effluent 021819	Total/NA	Water	8260C	
MB 480-459600/7	Method Blank	Total/NA	Water	8260C	
LCS 480-459600/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 459592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149153-1	Effluent 021819	Total/NA	Water	SM2540 C	
MB 480-459592/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-459592/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-149153-1 DU	Effluent 021819	Total/NA	Water	SM2540 C	

Analysis Batch: 459946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-149153-1	Effluent 021819	Total/NA	Water	SM 2540D	
MB 480-459946/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-459946/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-149153-1 DU	Effluent 021819	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-149153-1

Client Sample ID: Effluent 021819

Lab Sample ID: 480-149153-1

Date Collected: 02/18/19 07:15

Matrix: Water

Date Received: 02/19/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	459946	02/21/19 03:14	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	459592	02/19/19 02:19	EY	TAL BUF

Client Sample ID: Effluent 021819

Lab Sample ID: 480-149153-2

Date Collected: 02/18/19 07:15

Matrix: Water

Date Received: 02/19/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	459600	02/19/19 11:40	NMC	TAL BUF

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-149153-1

Laboratory: 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	03-31-19 *

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-149153-1

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 = 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

TestAmerica Job ID: 480-149153-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-149153-1	Effluent 021819	Water	02/18/19 07:15	02/19/19 01:00
480-149153-2	Effluent 021819	Water	02/18/19 07:15	02/19/19 01:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100 (Tel) 315-463-7554 (Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Camer Tracking No(s): Barcode: 480-149153 Chain of Custody		COC No: 480-122348-10587.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): Standard PO #: 11800225 WO #: 48008584 Project #: 48008584 SSON#:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AINSO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)		Total Number of Containers: 2 Special Instructions/Note:	
Sample Identification Effluent 021819 Effluent 021819 2-18-19 RE		Field Filtered Sample (Yes or No) X Perform MS/MSD (Yes or No) X 2540D - Total Suspended Solids 11 2540C - Calcd - Total Dissolved Solids 3 8260C - Volatile Organic Compounds 3		Matrix (W=water, S=solid, O=volatile, BT=Issue, A=Air) Water W	
Sample Date: 2-18-19 Sample Time: 7:15 Sample Type (C=Comp, G=grab): C Preservation Code:		Sample Date: 2-18-19 Sample Time: 7:15 Sample Type (C=Comp, G=grab): G Preservation Code:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:		Method of Shipment:	
Empty Kit Relinquished by:		Date: 2-18-19 / 10:45 Company: OBG		Received by: <i>[Signature]</i> Date/Time: 2-18-19 10:45 Company: SVR	
Relinquished by: <i>[Signature]</i>		Date/Time: 2-18-19, 19:00 Company: Fejn		Received by: <i>[Signature]</i> Date/Time: 02/19/19 01:00 Company:	
Relinquished by:		Date/Time:		Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 1.2 # /		Company:	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-149153-1

Login Number: 149153

List Source: TestAmerica Buffalo

List Number: 1

Creator: Velickovic, Zoran

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

ANALYTICAL REPORT


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

Laboratory Job ID: 480-150845-1
Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:
4/5/2019 5:27:57 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
TotalAccess

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

Definitions/Glossary

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

Job ID: 480-150845-1

Qualifiers

General Chemistry

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

Glossary

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

Case Narrative

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

Job ID: 480-150845-1

Job ID: 480-150845-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

**Job Narrative
480-150845-1**

Receipt

The sample was received on 3/26/2019 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

General Chemistry

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

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

Detection Summary

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

Job ID: 480-150845-1

Client Sample ID: Effluent 032519

Lab Sample ID: 480-150845-1

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

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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

Client Sample Results

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

Job ID: 480-150845-1

Client Sample ID: Effluent 032519

Lab Sample ID: 480-150845-1

Date Collected: 03/25/19 07:15

Matrix: Water

Date Received: 03/26/19 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	612	B	10.0	4.0	mg/L	--		03/29/19 08:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		03/29/19 03:07	1

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

QC Sample Results

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

Job ID: 480-150845-1

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

Lab Sample ID: MB 480-465286/1
 Matrix: Water
 Analysis Batch: 465286

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/29/19 03:07	1

Lab Sample ID: LCS 480-465286/2
 Matrix: Water
 Analysis Batch: 465286

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	246	241.2		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-465321/1
 Matrix: Water
 Analysis Batch: 465321

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.00	J	10.0	4.0	mg/L			03/29/19 08:45	1

Lab Sample ID: LCS 480-465321/2
 Matrix: Water
 Analysis Batch: 465321

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	487.0		mg/L		97	85 - 115

QC Association Summary

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

Job ID: 480-150845-1

General Chemistry

Analysis Batch: 465286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150845-1	Effluent 032519	Total/NA	Water	SM 2540D	
MB 480-465286/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-465286/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 465321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150845-1	Effluent 032519	Total/NA	Water	SM2540 C	
MB 480-465321/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-465321/2	Lab Control Sample	Total/NA	Water	SM2540 C	



Lab Chronicle

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

Job ID: 480-150845-1

Client Sample ID: Effluent 032519

Lab Sample ID: 480-150845-1

Date Collected: 03/25/19 07:15

Matrix: Water

Date Received: 03/26/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	465286	03/29/19 03:07	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	465321	03/29/19 08:45	RAF	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: 480-150845-1

Laboratory: Eurofins TestAmerica, Buffalo

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

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

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

Method Summary

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

Job ID: 480-150845-1

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: 480-150845-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-150845-1	Effluent 032519	Water	03/25/19 07:15	03/26/19 01:00

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

Chain of Custody Record

Client Information		Lab PM: Devo, Melissa L		COC No: 480-122364-10586.1	
Client Contact: Mr. Yuri Veliz		E-Mail: melissa.devo@testamericainc.com		Page: 1 of 1	
Company: O'Brien & Gere Inc of North America		Address: 333 West Washington St. PO BOX 4873		Carrier Tracking No(s):	
City: East Syracuse		State/Zip: NY, 13221		Job #:	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		PO #: 11900114		Analysis Requested	
Email: Yuri.Veliz@obg.com		WO #:		 480-150845 Chain of Custody	
Project Name: Former Accurate Die Cast		Project #: 48008584		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:	
Site:		SSOW#:		Special Instructions/Note:	
Sample Identification		Field Filtered Sample (Yes or No)		Total Number of Containers	
Effluent 032519		N		2	
Sample Date: 3-25-19		Perform MS/MSD (Yes or No)		2540D - Total Suspended Solids	
Sample Time: 7:15		N		2540C - Calcd - Total Dissolved S	
Sample Type: C		Field Filtered Sample (Yes or No)		2540D - Total Suspended Solids	
Matrix: Water		N		2540C - Calcd - Total Dissolved S	
Sample Date: 3-25-19		Field Filtered Sample (Yes or No)		2540D - Total Suspended Solids	
Sample Time: 7:15		N		2540C - Calcd - Total Dissolved S	
Sample Type: C		Field Filtered Sample (Yes or No)		2540D - Total Suspended Solids	
Matrix: Water		N		2540C - Calcd - Total Dissolved S	

Syracuse #225

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

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

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *Yuri Veliz* Date/Time: 3-25-19 / 10:20 Company: OBG

Relinquished by: *RB* Date/Time: 3-25-19 / 11:12 Company: *OBG*

Relinquished by: _____ Date/Time: _____ Company: _____

Custody Seal No.: Yes No

Cooler Temperature(s) °C and Other Remarks: 2.4 #1

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Received by: *Yuri Veliz* Date/Time: 03/26/19 01:00 Company: _____

Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-150845-1

Login Number: 150845

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Velickovic, Zoran

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

ANALYTICAL REPORT

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

Laboratory Job ID: 480-150822-1
Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:
4/5/2019 11:34:30 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
TotalAccess

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

Definitions/Glossary

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

Job ID: 480-150822-1

Qualifiers

General Chemistry

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

Glossary

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

Case Narrative

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

Job ID: 480-150822-1

Job ID: 480-150822-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

**Job Narrative
480-150822-1**

Receipt

The samples were received on 3/23/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° 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 2540C: The results reported for the following sample do not concur with results previously reported for this site: (480-150839-B-8). A duplicate was performed, and the result(s) confirmed.

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

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

Detection Summary

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

Job ID: 480-150822-1

Client Sample ID: EFFLUENT 032219

Lab Sample ID: 480-150822-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	618	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 032219

Lab Sample ID: 480-150822-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



Client Sample Results

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

Job ID: 480-150822-1

Client Sample ID: EFFLUENT 032219

Lab Sample ID: 480-150822-1

Date Collected: 03/22/19 07:15

Matrix: Water

Date Received: 03/23/19 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	618	B	10.0	4.0	mg/L			03/29/19 08:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/29/19 03:05	1

Client Sample ID: EFFLUENT 032219

Lab Sample ID: 480-150822-2

Date Collected: 03/22/19 07:15

Matrix: Water

Date Received: 03/23/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/26/19 04:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/26/19 04:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/26/19 04:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/26/19 04:21	1
Toluene	ND		1.0	0.51	ug/L			03/26/19 04:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/26/19 04:21	1
Trichloroethene	ND		1.0	0.46	ug/L			03/26/19 04:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		77 - 120					03/26/19 04:21	1
4-Bromofluorobenzene (Surr)	89		73 - 120					03/26/19 04:21	1
Toluene-d8 (Surr)	91		80 - 120					03/26/19 04:21	1
Dibromofluoromethane (Surr)	88		75 - 123					03/26/19 04:21	1

Surrogate Summary

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

Job ID: 480-150822-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-150822-2	EFFLUENT 032219	87	89	91	88
LCS 480-464614/5	Lab Control Sample	86	98	101	92
MB 480-464614/7	Method Blank	88	92	93	93

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-150822-1

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

Lab Sample ID: MB 480-464614/7
Matrix: Water
Analysis Batch: 464614

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/25/19 21:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/25/19 21:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/25/19 21:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/25/19 21:44	1
Toluene	ND		1.0	0.51	ug/L			03/25/19 21:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/25/19 21:44	1
Trichloroethene	ND		1.0	0.46	ug/L			03/25/19 21:44	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		03/25/19 21:44	1
4-Bromofluorobenzene (Surr)	92		73 - 120		03/25/19 21:44	1
Toluene-d8 (Surr)	93		80 - 120		03/25/19 21:44	1
Dibromofluoromethane (Surr)	93		75 - 123		03/25/19 21:44	1

Lab Sample ID: LCS 480-464614/5
Matrix: Water
Analysis Batch: 464614

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
Methylene Chloride	25.0	26.6		ug/L		107	75 - 124
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		95	73 - 127
Trichloroethene	25.0	24.1		ug/L		96	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	86		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	92		75 - 123

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

Lab Sample ID: MB 480-465285/1
Matrix: Water
Analysis Batch: 465285

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

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		1.0	1.0	mg/L			03/29/19 03:05	1

Lab Sample ID: LCS 480-465285/2
Matrix: Water
Analysis Batch: 465285

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Suspended Solids	241	241.6		mg/L		100	88 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-150822-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-465321/1
Matrix: Water
Analysis Batch: 465321

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	4.00	J	10.0	4.0	mg/L	-		03/29/19 08:45	1

Lab Sample ID: LCS 480-465321/2
Matrix: Water
Analysis Batch: 465321

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	487.0		mg/L	-	97	85 - 115



QC Association Summary

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

Job ID: 480-150822-1

GC/MS VOA

Analysis Batch: 464614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150822-2	EFFLUENT 032219	Total/NA	Water	8260C	
MB 480-464614/7	Method Blank	Total/NA	Water	8260C	
LCS 480-464614/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 465285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150822-1	EFFLUENT 032219	Total/NA	Water	SM 2540D	
MB 480-465285/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-465285/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 465321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-150822-1	EFFLUENT 032219	Total/NA	Water	SM2540 C	
MB 480-465321/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-465321/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

Job ID: 480-150822-1

Client Sample ID: EFFLUENT 032219

Lab Sample ID: 480-150822-1

Date Collected: 03/22/19 07:15

Matrix: Water

Date Received: 03/23/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	465285	03/29/19 03:05	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	465321	03/29/19 08:45	RAF	TAL BUF

Client Sample ID: EFFLUENT 032219

Lab Sample ID: 480-150822-2

Date Collected: 03/22/19 07:15

Matrix: Water

Date Received: 03/23/19 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	464614	03/26/19 04:21	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: 480-150822-1

Laboratory: Eurofins TestAmerica, Buffalo

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

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

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

Method Summary

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

Job ID: 480-150822-1

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: 480-150822-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-150822-1	EFFLUENT 032219	Water	03/22/19 07:15	03/23/19 01:00
480-150822-2	EFFLUENT 032219	Water	03/22/19 07:15	03/23/19 01:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Devo, Melissa L E-Mail: melissa.devo@testamericainc.com Carrier Tracking No(s): COC No: 480-122350-10587.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11900114 WO #: Project #: 48008584 SSOW#:		Analysis Requested Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids <input checked="" type="checkbox"/> N 2540C - Calcd - Total Dissolved Solids <input checked="" type="checkbox"/> N 8260C - Volatile Organic Compounds <input checked="" type="checkbox"/> A Total Number of Containers: 2 Special Instructions/Note:	
Sample Identification Effluent 032219 Effluent 032219 3-22-19 RE		Sample Date: 3-22-19 Sample Time: 7:15 Sample Type (C=Comp, G=grab): C Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air): Water Preservation Code:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may apply) <input type="checkbox"/> Return To Client <input type="checkbox"/> Archive For _____ Months Barcode: 480-150822 Chain of Custody	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <i>Yuri Veliz</i> Date/Time: 3-22-19 / 10:00 Company: <i>OBG</i>		Received by: <i>Devo, Melissa L</i> Date/Time: 3-22-19, 10:00 Company: <i>JTA</i>	
Relinquished by: <i>RE 19116</i> Date/Time: 3-22-19, 19:00 Company: <i>JTA</i>		Received by: <i>Yuri Veliz</i> Date/Time: 3/23/19 0100 Company: <i>JTA</i>	
Relinquished by:		Received by:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: # 1310	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-150822-1

Login Number: 150822

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Hulbert, Michael J

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



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-147864-1

Client Project/Site: Former Accurate Die Cast

For:

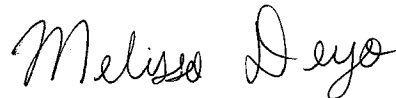
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. David J Carnevale



Authorized for release by:

1/23/2019 9:24:32 AM

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

Review your project
results through

TotalAccess

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

2

3

4

5

6

7

8

9

10

11

12

13

14

15



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

Definitions/Glossary

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

TestAmerica Job ID: 480-147864-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-147864-1

Job ID: 480-147864-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-147864-1

Receipt

The samples were received on 1/15/2019 12:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° 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 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: (480-147891-A-7) and (480-147891-A-7 DU). The reporting limits (RLs) have been adjusted proportionately.

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

Detection Summary

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

TestAmerica Job ID: 480-147864-1

Client Sample ID: Effluent 011419

Lab Sample ID: 480-147864-1

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

Client Sample ID: Effluent 011419

Lab Sample ID: 480-147864-2

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo



Client Sample Results

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

TestAmerica Job ID: 480-147864-1

Client Sample ID: Effluent 011419

Lab Sample ID: 480-147864-1

Date Collected: 01/14/19 07:15

Matrix: Water

Date Received: 01/15/19 00:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	640		10.0	4.0	mg/L			01/16/19 08:17	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/15/19 03:52	1

Client Sample ID: Effluent 011419

Lab Sample ID: 480-147864-2

Date Collected: 01/14/19 07:15

Matrix: Water

Date Received: 01/15/19 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/16/19 13:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/19 13:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/19 13:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/19 13:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/19 13:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/19 13:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/19 13:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/19 13:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/19 13:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/19 13:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/19 13:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/19 13:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/19 13:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/19 13:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/19 13:35	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/19 13:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/19 13:35	1
Acetone	ND		10	3.0	ug/L			01/16/19 13:35	1
Benzene	ND		1.0	0.41	ug/L			01/16/19 13:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/19 13:35	1
Bromoform	ND		1.0	0.26	ug/L			01/16/19 13:35	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/19 13:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/19 13:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/19 13:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/19 13:35	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/19 13:35	1
Chloroform	ND		1.0	0.34	ug/L			01/16/19 13:35	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/19 13:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/19 13:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/19 13:35	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/19 13:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/19 13:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/19 13:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/19 13:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/19 13:35	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/19 13:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/19 13:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/19 13:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/16/19 13:35	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-147864-1

Client Sample ID: Effluent 011419

Lab Sample ID: 480-147864-2

Date Collected: 01/14/19 07:15

Matrix: Water

Date Received: 01/15/19 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			01/16/19 13:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/19 13:35	1
Toluene	ND		1.0	0.51	ug/L			01/16/19 13:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/19 13:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/19 13:35	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/19 13:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/19 13:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/19 13:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/19 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		01/16/19 13:35	1
4-Bromofluorobenzene (Surr)	102		73 - 120		01/16/19 13:35	1
Dibromofluoromethane (Surr)	97		75 - 123		01/16/19 13:35	1
Toluene-d8 (Surr)	99		80 - 120		01/16/19 13:35	1

Surrogate Summary

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

TestAmerica Job ID: 480-147864-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	DBFM (75-123)	TOL (80-120)
480-147864-2	Effluent 011419	102	102	97	99
LCS 480-455218/5	Lab Control Sample	106	105	107	101
MB 480-455218/7	Method Blank	103	102	99	98

Surrogate Legend

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

QC Sample Results

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

TestAmerica Job ID: 480-147864-1

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

Lab Sample ID: MB 480-455218/7

Matrix: Water

Analysis Batch: 455218

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/16/19 10:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/19 10:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/19 10:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/19 10:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/19 10:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/19 10:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/19 10:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/19 10:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/19 10:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/19 10:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/19 10:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/19 10:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/19 10:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/19 10:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/19 10:43	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/19 10:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/19 10:43	1
Acetone	ND		10	3.0	ug/L			01/16/19 10:43	1
Benzene	ND		1.0	0.41	ug/L			01/16/19 10:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/19 10:43	1
Bromoform	ND		1.0	0.26	ug/L			01/16/19 10:43	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/19 10:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/19 10:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/19 10:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/19 10:43	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/19 10:43	1
Chloroform	ND		1.0	0.34	ug/L			01/16/19 10:43	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/19 10:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/19 10:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/19 10:43	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/19 10:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/19 10:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/19 10:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/19 10:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/19 10:43	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/19 10:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/19 10:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/19 10:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/16/19 10:43	1
Styrene	ND		1.0	0.73	ug/L			01/16/19 10:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/19 10:43	1
Toluene	ND		1.0	0.51	ug/L			01/16/19 10:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/19 10:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/19 10:43	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/19 10:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/19 10:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/19 10:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/19 10:43	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-147864-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		01/16/19 10:43	1
4-Bromofluorobenzene (Surr)	102		73 - 120		01/16/19 10:43	1
Dibromofluoromethane (Surr)	99		75 - 123		01/16/19 10:43	1
Toluene-d8 (Surr)	98		80 - 120		01/16/19 10:43	1

Lab Sample ID: LCS 480-455218/5

Matrix: Water

Analysis Batch: 455218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	25.9		ug/L		104	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	32.5		ug/L		130	61 - 148
1,1,2-Trichloroethane	25.0	25.4		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	25.6		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	28.1		ug/L		113	66 - 127
1,2,4-Trichlorobenzene	25.0	23.7		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.4		ug/L		106	56 - 134
1,2-Dibromoethane	25.0	27.6		ug/L		110	77 - 120
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.6		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 120
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
2-Hexanone	125	128		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	124		ug/L		99	71 - 125
Acetone	125	136		ug/L		109	56 - 142
Benzene	25.0	26.8		ug/L		107	71 - 124
Bromodichloromethane	25.0	29.2		ug/L		117	80 - 122
Bromoform	25.0	30.6		ug/L		122	61 - 132
Bromomethane	25.0	26.8		ug/L		107	55 - 144
Carbon disulfide	25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	25.0	32.6		ug/L		130	72 - 134
Chlorobenzene	25.0	26.2		ug/L		105	80 - 120
Chloroethane	25.0	26.9		ug/L		108	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	26.0		ug/L		104	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	29.5		ug/L		118	74 - 124
Cyclohexane	25.0	31.2		ug/L		125	59 - 135
Dibromochloromethane	25.0	31.2		ug/L		125	75 - 125
Dichlorodifluoromethane	25.0	30.3		ug/L		121	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	27.5		ug/L		110	77 - 122
Methyl acetate	50.0	47.7		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	25.7		ug/L		103	77 - 120
Methylcyclohexane	25.0	32.3		ug/L		129	68 - 134
Methylene Chloride	25.0	24.0		ug/L		96	75 - 124
Styrene	25.0	26.6		ug/L		106	80 - 120
Tetrachloroethene	25.0	29.4		ug/L		118	74 - 122
Toluene	25.0	26.1		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	73 - 127

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-147864-1

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

Lab Sample ID: LCS 480-455218/5

Matrix: Water

Analysis Batch: 455218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	28.9		ug/L		116	80 - 120
Trichloroethene	25.0	27.1		ug/L		109	74 - 123
Trichlorofluoromethane	25.0	31.0		ug/L		124	62 - 150
Vinyl chloride	25.0	28.6		ug/L		114	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123
Toluene-d8 (Surr)	101		80 - 120

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

Lab Sample ID: MB 480-455005/1

Matrix: Water

Analysis Batch: 455005

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			01/15/19 03:52	1

Lab Sample ID: LCS 480-455005/2

Matrix: Water

Analysis Batch: 455005

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	242	238.0		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-455228/1

Matrix: Water

Analysis Batch: 455228

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			01/16/19 08:17	1

Lab Sample ID: LCS 480-455228/2

Matrix: Water

Analysis Batch: 455228

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	503.0		mg/L		101	85 - 115

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-147864-1

GC/MS VOA

Analysis Batch: 455218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147864-2	Effluent 011419	Total/NA	Water	8260C	
MB 480-455218/7	Method Blank	Total/NA	Water	8260C	
LCS 480-455218/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 455005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147864-1	Effluent 011419	Total/NA	Water	SM 2540D	
MB 480-455005/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-455005/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 455228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-147864-1	Effluent 011419	Total/NA	Water	SM2540 C	
MB 480-455228/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-455228/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-147864-1

Client Sample ID: Effluent 011419

Lab Sample ID: 480-147864-1

Date Collected: 01/14/19 07:15

Matrix: Water

Date Received: 01/15/19 00:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	455005	01/15/19 03:52	MLS	TAL BUF
Total/NA	Analysis	SM2540 C		1	455228	01/16/19 08:17	RAF	TAL BUF

Client Sample ID: Effluent 011419

Lab Sample ID: 480-147864-2

Date Collected: 01/14/19 07:15

Matrix: Water

Date Received: 01/15/19 00:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	455218	01/16/19 13:35	NMC	TAL BUF

Laboratory References:

TAL BUF = 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

TestAmerica Job ID: 480-147864-1

Laboratory: 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	03-31-19

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

Method Summary

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

TestAmerica Job ID: 480-147864-1

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 = 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

TestAmerica Job ID: 480-147864-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-147864-1	Effluent 011419	Water	01/14/19 07:15	01/15/19 00:00
480-147864-2	Effluent 011419	Water	01/14/19 07:15	01/15/19 00:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



COC No: 480-78355-10587.1
Page: Page 1 of 1
Job #:

Carrier Tracking No(s):
Lab PM: Johnson, Orlette S
E-Mail: orlette.johnson@testamericainc.com

Sample: *MARTIN KOENWECKI*
Phone: *315-729-1300*

Due Date Requested:
TAT Requested (days):
PO #: 11800225
WO #:
Project #: 48008584
SSOW#:

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, B=Soil, O=Other)	Preservation Code	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		2540D - Total Suspended Solids		2540C - Total Dissolved Solids		8260C - Volatile Organic Compounds		Total Number of Containers	Special Instructions/Note:
						Field Filtered	MS/MSD	N	A	N	A	N	A				
Effluent 011419	1-14-19	7:15	C	Water		X	X			1	1					2	
Effluent 011419	1-14-19	7:15	G	Water		X	X									3	
<i>1-14-19 AP</i>																	

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
Other:

Analysis Requested

Special Instructions/Note:

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Empty Kit Relinquished by:

Relinquished by: *Yuri Veliz*
Relinquished by: *RE-191116*

Relinquished by: *RE-191116*
Date/Time: 1-14-19 / 11:15
Company: *OBG*
Date/Time: 1-14-19, 19:00
Company: *Syn*
Date/Time: _____
Company: _____

Cooler Temperature(s) °C and Other Remarks: *#1 2.0*

Custody Seal No.: Yes No

Ver: 08/04/2016

Page 17 of 18

1/23/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-147864-1

Login Number: 147864

List Source: TestAmerica Buffalo

List Number: 1

Creator: Velickovic, Zoran

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