

July 18, 2016

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 second quarter of 2016 (April 1 through July 1). 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 July 1, 2016, a total of 109,947,030 gallons of groundwater have been treated since startup on February 5, 1996. Since April 1, 2016, 905,110 gallons of groundwater have been treated: 189,650 gallons from recovery well RW-1; 714,860 gallons from recovery well RW-2; and 600 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 April, May and June 2016 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.

ACTIVITIES SCHEDULED

Continue operation of the groundwater recovery and treatment system including SPDES monitoring.

If you have any questions regarding this report, please do not hesitate to call me at (315) 956-6316.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Alfred R. Farrell, P.E.
Project Manager

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333 West Washington Street, PO Box 4873
Syracuse, NY 13221-4873



p 315-956-6100
f 315-463-7554



OBG
www.obg.com



cc: H. Warner – New York State Department of Environmental Conservation
T. Slutzky – The Anderson Company
Jeff Stanek – ITT Corporation
L. Hall – ITT Corporation
J. Sutphen – O’Brien & Gere, Office of General Counsel



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: 480-97383-1

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. Al Farrell



Authorized for release by:

4/13/2016 11:21:45 PM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

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results through

Total Access

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www.testamericainc.com

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-97383-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-97383-1

Job ID: 480-97383-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-97383-1**

Receipt

The sample was received on 4/1/2016 7:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

General Chemistry

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

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Detection Summary

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

TestAmerica Job ID: 480-97383-1

Client Sample ID: EFFLUENT 033116

Lab Sample ID: 480-97383-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	611		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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Client Sample Results

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

TestAmerica Job ID: 480-97383-1

Client Sample ID: EFFLUENT 033116

Lab Sample ID: 480-97383-1

Date Collected: 03/31/16 07:15

Matrix: Water

Date Received: 04/01/16 07:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	611		10.0	4.0	mg/L			04/04/16 05:49	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/04/16 16:14	1

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QC Sample Results

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

TestAmerica Job ID: 480-97383-1

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

Lab Sample ID: MB 480-293973/1
 Matrix: Water
 Analysis Batch: 293973

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/04/16 16:14	1

Lab Sample ID: LCS 480-293973/2
 Matrix: Water
 Analysis Batch: 293973

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	254	252.8		mg/L		99	88 - 110

Lab Sample ID: 480-97383-1 DU
 Matrix: Water
 Analysis Batch: 293973

Client Sample ID: EFFLUENT 033116
 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 480-293840/1
 Matrix: Water
 Analysis Batch: 293840

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/04/16 05:49	1

Lab Sample ID: LCS 480-293840/2
 Matrix: Water
 Analysis Batch: 293840

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	531	536.0		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: 480-97383-1

General Chemistry

Analysis Batch: 293840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97383-1	EFFLUENT 033116	Total/NA	Water	SM2540 C	
LCS 480-293840/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-293840/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 293973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97383-1	EFFLUENT 033116	Total/NA	Water	SM 2540D	
480-97383-1 DU	EFFLUENT 033116	Total/NA	Water	SM 2540D	
LCS 480-293973/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-293973/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-97383-1

Client Sample ID: EFFLUENT 033116

Lab Sample ID: 480-97383-1

Date Collected: 03/31/16 07:15

Matrix: Water

Date Received: 04/01/16 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	293973	04/04/16 16:14	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	293840	04/04/16 05:49	EKB	TAL BUF

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 480-97383-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-97383-1

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: 480-97383-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-97383-1	EFFLUENT 033116	Water	03/31/16 07:15	04/01/16 07:00

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TestAmerica Buffalo
 10 Hazelwood Drive
 Amherst, NY 14228-2298
 Phone (716) 591-2800 Fax (716) 691-7991

Chain of Custody Record



480-97383 Chain of Custody

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 #: 48008584
 Former Accurate Die Cast
 Site:

Sampler: MAARTIN KOENIGSKE
 Lab P/N: Johnson, Oriette S
 E-Mail: oriette.johnson@testamericainc.com
 Phone: 315-729-1300

Carrier Track

Page 1 of 1
 Job #:

Analysis Requested

Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, etc.)	Field Filtered Sample (Yes or No)	Performance (MSD/MS or NO)	2640D - Total Suspended Solids	2640C - Total Dissolved Solids	Special Instructions/Note:
3-31-16	7:15	L	Water	X	X	11	11	
Total Number of Containers: 2								

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	Field Filtered Sample	Performance	2640D	2640C	Special Instructions/Note
Effluent 033116	3-31-16	7:15	L	Water	X	X	11	11	
Total Number of Containers: 2									

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: _____ Time: _____

Relinquished by: *Matt Koehn* Date/Time: 3-31-16 / 9:45 Company: *OBG*

Relinquished by: *Yuri Veliz* Date/Time: 3-31-16, 19:00 Company: *OBG*

Relinquished by: *Yuri Veliz* Date/Time: 3-31-16, 19:00 Company: *OBG*

Special Instructions/QC Requirements:

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

Method of Shipment: _____

Received by: *Yuri Veliz* Date/Time: 3-31-16 Company: *OBG*

Received by: *Yuri Veliz* Date/Time: 3-31-16, 07:00 Company: *OBG*

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

Cooler Temperature(s) °C and Other Remarks: 2.1°C \$3

Custody Seal No. _____



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-97383-1

Login Number: 97383

List Number: 1

Creator: Wallace, Cameron

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.	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	

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: 480-97620-1

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. Al Farrell



Authorized for release by:

4/14/2016 11:40:13 PM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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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.

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-97620-1

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.
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.
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-97620-1

Job ID: 480-97620-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-97620-1

Receipt

The samples were received on 4/6/2016 1:55 AM; 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

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT 040516 (480-97620-3), (480-97620-A-3 MS) and (480-97620-A-3 MSD). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

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



Detection Summary

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

TestAmerica Job ID: 480-97620-1

Client Sample ID: EFFLUENT 040516

Lab Sample ID: 480-97620-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	634		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 040516

Lab Sample ID: 480-97620-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.84	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: INFLUENT 040516

Lab Sample ID: 480-97620-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	350	F1	8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: EFFLUENT 040516

Lab Sample ID: 480-97620-4

No Detections.

Client Sample ID: INFLUENT 040516

Lab Sample ID: 480-97620-5

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: 480-97620-1

Client Sample ID: EFFLUENT 040516

Lab Sample ID: 480-97620-1

Date Collected: 04/05/16 07:30

Matrix: Water

Date Received: 04/06/16 01:55

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		04/06/16 10:10	04/06/16 18:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		04/07/16 08:30	04/07/16 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	634		10.0	4.0	mg/L			04/06/16 17:45	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/07/16 10:42	1

Client Sample ID: BETWEEN CARBONS 040516

Lab Sample ID: 480-97620-2

Date Collected: 04/05/16 07:30

Matrix: Water

Date Received: 04/06/16 01:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/13/16 14:47	1
cis-1,2-Dichloroethene	1.9		1.0	0.81	ug/L			04/13/16 14:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/13/16 14:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/13/16 14:47	1
Toluene	ND		1.0	0.51	ug/L			04/13/16 14:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/13/16 14:47	1
Trichloroethene	0.84	J	1.0	0.46	ug/L			04/13/16 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		66 - 137		04/13/16 14:47	1
4-Bromofluorobenzene (Surr)	101		73 - 120		04/13/16 14:47	1
Toluene-d8 (Surr)	101		71 - 126		04/13/16 14:47	1
Dibromofluoromethane (Surr)	111		60 - 140		04/13/16 14:47	1

Client Sample ID: INFLUENT 040516

Lab Sample ID: 480-97620-3

Date Collected: 04/05/16 07:30

Matrix: Water

Date Received: 04/06/16 01:55

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		8.0	1.7	ug/L			04/13/16 15:14	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			04/13/16 15:14	8
Methylene Chloride	ND		8.0	3.5	ug/L			04/13/16 15:14	8
Tetrachloroethene	ND		8.0	2.9	ug/L			04/13/16 15:14	8
Toluene	ND		8.0	4.1	ug/L			04/13/16 15:14	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			04/13/16 15:14	8
Trichloroethene	350	F1	8.0	3.7	ug/L			04/13/16 15:14	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		66 - 137		04/13/16 15:14	8
4-Bromofluorobenzene (Surr)	102		73 - 120		04/13/16 15:14	8
Toluene-d8 (Surr)	102		71 - 126		04/13/16 15:14	8

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-97620-1

Client Sample ID: INFLUENT 040516

Date Collected: 04/05/16 07:30

Date Received: 04/06/16 01:55

Lab Sample ID: 480-97620-3

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	111		60 - 140		04/13/16 15:14	8

Client Sample ID: EFFLUENT 040516

Date Collected: 04/05/16 07:30

Date Received: 04/06/16 01:55

Lab Sample ID: 480-97620-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/13/16 15:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/13/16 15:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/13/16 15:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/13/16 15:40	1
Toluene	ND		1.0	0.51	ug/L			04/13/16 15:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/13/16 15:40	1
Trichloroethene	ND		1.0	0.46	ug/L			04/13/16 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		04/13/16 15:40	1
4-Bromofluorobenzene (Surr)	102		73 - 120		04/13/16 15:40	1
Toluene-d8 (Surr)	100		71 - 126		04/13/16 15:40	1
Dibromofluoromethane (Surr)	109		60 - 140		04/13/16 15:40	1

Client Sample ID: INFLUENT 040516

Date Collected: 04/05/16 07:30

Date Received: 04/06/16 01:55

Lab Sample ID: 480-97620-5

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		04/06/16 10:10	04/06/16 18:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		04/07/16 08:30	04/07/16 12:35	1

Surrogate Summary

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

TestAmerica Job ID: 480-97620-1

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	12DCE (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-97620-2	BETWEEN CARBONS 040516	114	101	101	111
480-97620-3	INFLUENT 040516	114	102	102	111
480-97620-3 MS	INFLUENT 040516	111	106	97	113
480-97620-3 MSD	INFLUENT 040516	106	106	101	110
480-97620-4	EFFLUENT 040516	113	102	100	109
LCS 480-295540/4	Lab Control Sample	112	107	102	109
MB 480-295540/6	Method Blank	113	99	102	112

Surrogate Legend

12DCE = 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: 480-97620-1

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

Lab Sample ID: MB 480-295540/6

Matrix: Water

Analysis Batch: 295540

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/13/16 12:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/13/16 12:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/13/16 12:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/13/16 12:24	1
Toluene	ND		1.0	0.51	ug/L			04/13/16 12:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/13/16 12:24	1
Trichloroethene	ND		1.0	0.46	ug/L			04/13/16 12:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		04/13/16 12:24	1
4-Bromofluorobenzene (Surr)	99		73 - 120		04/13/16 12:24	1
Toluene-d8 (Surr)	102		71 - 126		04/13/16 12:24	1
Dibromofluoromethane (Surr)	112		60 - 140		04/13/16 12:24	1

Lab Sample ID: LCS 480-295540/4

Matrix: Water

Analysis Batch: 295540

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	22.9		ug/L		92	74 - 124
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122
Toluene	25.0	22.3		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	23.1		ug/L		92	73 - 127
Trichloroethene	25.0	23.8		ug/L		95	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		66 - 137
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	102		71 - 126
Dibromofluoromethane (Surr)	109		60 - 140

Lab Sample ID: 480-97620-3 MS

Matrix: Water

Analysis Batch: 295540

Client Sample ID: INFLUENT 040516

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND		200	186		ug/L		93	74 - 124
Tetrachloroethene	ND		200	194		ug/L		97	74 - 122
Toluene	ND		200	174		ug/L		87	80 - 122
trans-1,2-Dichloroethene	ND		200	194		ug/L		97	73 - 127
Trichloroethene	350	F1	200	522		ug/L		84	74 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		66 - 137
4-Bromofluorobenzene (Surr)	106		73 - 120
Toluene-d8 (Surr)	97		71 - 126
Dibromofluoromethane (Surr)	113		60 - 140

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97620-1

Lab Sample ID: 480-97620-3 MSD
Matrix: Water
Analysis Batch: 295540

Client Sample ID: INFLUENT 040516
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	ND		200	176		ug/L		88	74 - 124	5	15
Tetrachloroethene	ND		200	192		ug/L		96	74 - 122	1	20
Toluene	ND		200	175		ug/L		88	80 - 122	0	15
trans-1,2-Dichloroethene	ND		200	180		ug/L		90	73 - 127	8	20
Trichloroethene	350	F1	200	490	F1	ug/L		68	74 - 123	6	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	106		73 - 120
Toluene-d8 (Surr)	101		71 - 126
Dibromofluoromethane (Surr)	110		60 - 140

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-294238/1-A
Matrix: Water
Analysis Batch: 294434

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 294238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		04/06/16 10:10	04/06/16 17:15	1

Lab Sample ID: LCS 480-294238/2-A
Matrix: Water
Analysis Batch: 294434

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 294238

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.200		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-294431/1-A
Matrix: Water
Analysis Batch: 294592

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 294431

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		04/07/16 08:30	04/07/16 12:06	1

Lab Sample ID: LCS 480-294431/2-A
Matrix: Water
Analysis Batch: 294592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 294431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00647		mg/L		97	80 - 120

Lab Sample ID: LCSD 480-294431/3-A
Matrix: Water
Analysis Batch: 294592

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 294431

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00667	0.00653		mg/L		98	80 - 120	1	20

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-97620-1

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

Lab Sample ID: MB 480-294516/1
 Matrix: Water
 Analysis Batch: 294516

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/07/16 10:42	1

Lab Sample ID: LCS 480-294516/2
 Matrix: Water
 Analysis Batch: 294516

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	225	225.6		mg/L		100	88 - 110

Lab Sample ID: 480-97620-1 DU
 Matrix: Water
 Analysis Batch: 294516

Client Sample ID: EFFLUENT 040516
 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 480-294362/1
 Matrix: Water
 Analysis Batch: 294362

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/06/16 17:45	1

Lab Sample ID: LCS 480-294362/2
 Matrix: Water
 Analysis Batch: 294362

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	531	513.0		mg/L		97	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-97620-1

GC/MS VOA

Analysis Batch: 295540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97620-2	BETWEEN CARBONS 040516	Total/NA	Water	8260C	
480-97620-3	INFLUENT 040516	Total/NA	Water	8260C	
480-97620-3 MS	INFLUENT 040516	Total/NA	Water	8260C	
480-97620-3 MSD	INFLUENT 040516	Total/NA	Water	8260C	
480-97620-4	EFFLUENT 040516	Total/NA	Water	8260C	
LCS 480-295540/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-295540/6	Method Blank	Total/NA	Water	8260C	

Metals

Prep Batch: 294238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97620-1	EFFLUENT 040516	Total/NA	Water	3005A	
480-97620-5	INFLUENT 040516	Total/NA	Water	3005A	
LCS 480-294238/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-294238/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 294431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97620-1	EFFLUENT 040516	Total/NA	Water	7470A	
480-97620-5	INFLUENT 040516	Total/NA	Water	7470A	
LCS 480-294431/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 480-294431/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
MB 480-294431/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 294434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97620-1	EFFLUENT 040516	Total/NA	Water	6010C	294238
480-97620-5	INFLUENT 040516	Total/NA	Water	6010C	294238
LCS 480-294238/2-A	Lab Control Sample	Total/NA	Water	6010C	294238
MB 480-294238/1-A	Method Blank	Total/NA	Water	6010C	294238

Analysis Batch: 294592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97620-1	EFFLUENT 040516	Total/NA	Water	7470A	294431
480-97620-5	INFLUENT 040516	Total/NA	Water	7470A	294431
LCS 480-294431/2-A	Lab Control Sample	Total/NA	Water	7470A	294431
LCSD 480-294431/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	294431
MB 480-294431/1-A	Method Blank	Total/NA	Water	7470A	294431

General Chemistry

Analysis Batch: 294362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97620-1	EFFLUENT 040516	Total/NA	Water	SM2540 C	
LCS 480-294362/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-294362/1	Method Blank	Total/NA	Water	SM2540 C	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-97620-1

General Chemistry (Continued)

Analysis Batch: 294516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97620-1	EFFLUENT 040516	Total/NA	Water	SM 2540D	
480-97620-1 DU	EFFLUENT 040516	Total/NA	Water	SM 2540D	
LCS 480-294516/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-294516/1	Method Blank	Total/NA	Water	SM 2540D	

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Lab Chronicle

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

TestAmerica Job ID: 480-97620-1

Client Sample ID: EFFLUENT 040516
Date Collected: 04/05/16 07:30
Date Received: 04/06/16 01:55

Lab Sample ID: 480-97620-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			294238	04/06/16 10:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	294434	04/06/16 18:17	AMH	TAL BUF
Total/NA	Prep	7470A			294431	04/07/16 08:30	TAS	TAL BUF
Total/NA	Analysis	7470A		1	294592	04/07/16 12:33	TAS	TAL BUF
Total/NA	Analysis	SM 2540D		1	294516	04/07/16 10:42	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	294362	04/06/16 17:45	MGH	TAL BUF

Client Sample ID: BETWEEN CARBONS 040516
Date Collected: 04/05/16 07:30
Date Received: 04/06/16 01:55

Lab Sample ID: 480-97620-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	295540	04/13/16 14:47	RRS	TAL BUF

Client Sample ID: INFLUENT 040516
Date Collected: 04/05/16 07:30
Date Received: 04/06/16 01:55

Lab Sample ID: 480-97620-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	295540	04/13/16 15:14	RRS	TAL BUF

Client Sample ID: EFFLUENT 040516
Date Collected: 04/05/16 07:30
Date Received: 04/06/16 01:55

Lab Sample ID: 480-97620-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	295540	04/13/16 15:40	RRS	TAL BUF

Client Sample ID: INFLUENT 040516
Date Collected: 04/05/16 07:30
Date Received: 04/06/16 01:55

Lab Sample ID: 480-97620-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			294238	04/06/16 10:10	CMM	TAL BUF
Total/NA	Analysis	6010C		1	294434	04/06/16 18:20	AMH	TAL BUF
Total/NA	Prep	7470A			294431	04/07/16 08:30	TAS	TAL BUF
Total/NA	Analysis	7470A		1	294592	04/07/16 12:35	TAS	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-97620-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-97620-1

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

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: 480-97620-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-97620-1	EFFLUENT 040516	Water	04/05/16 07:30	04/06/16 01:55
480-97620-2	BETWEEN CARBONS 040516	Water	04/05/16 07:30	04/06/16 01:55
480-97620-3	INFLUENT 040516	Water	04/05/16 07:30	04/06/16 01:55
480-97620-4	EFFLUENT 040516	Water	04/05/16 07:30	04/06/16 01:55
480-97620-5	INFLUENT 040516	Water	04/05/16 07:30	04/06/16 01:55

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Chain of Custody Record

Client Information		Lab PM: Johnson, Oriette S		Carrier T									
Client Contact: Mr. Yuri Veliz		E-Mail: oriette.johnson@testamericainc.com											
Company: O'Brien & Gere Inc of North America		Phone: 315-789-1300		480-97620 Chain of Custody									
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 #: 11312000EST		WC #:									
Email: Yuri.Veliz@obg.com		Project #: 48008584		SSOW#:									
Former Accurate Die Cast		Site:											
Due Date Requested:		TAT Requested (days):		Analysis Request:									
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=fluvial, A=air)	Field Filtered Sample (Yes or No)	Field Filtered Sample (Yes or No)	2540C - Total Suspended Solids	2540C - Total Dissolved Solids	8260C - Volatile Organic Compounds	6010C - Zinc	7470A - Mercury	Special Instructions/Note:
Effluent 040516	4-5-16	7:30	C	Water				1	1	1	1		4
Between Carbons 040516	4-5-16	7:30	G	Water				3					3
Influent 040516	4-5-16	7:30	G	Water				3					3
Effluent 040516	4-5-16	7:30	G	water				3					3
Influent 040516	4-5-16	7:30	C	water				1	1				2
Possible Hazard Identification		Date: 4-5-16		Time: 10:00		Company: OBG		Recalibrated by: [Signature]		Date/Time: 4-5-16, 10:00		Company: [Signature]	
<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		Date: 4-5-16		Time: 19:00		Company: Syn		Recalibrated by: [Signature]		Date/Time: 4-5-16, 19:00		Company: [Signature]	
Deliverable Requested: I, II, III, IV, Other (specify)		Date: 4-5-16		Time: 19:00		Company: Syn		Recalibrated by: [Signature]		Date/Time: 4-5-16, 19:00		Company: [Signature]	
Empty Kit Relinquished by:		Date: 4-5-16		Time: 19:00		Company: Syn		Recalibrated by: [Signature]		Date/Time: 4-5-16, 19:00		Company: [Signature]	
Relinquished by: [Signature]		Date: 4-5-16		Time: 19:00		Company: Syn		Recalibrated by: [Signature]		Date/Time: 4-5-16, 19:00		Company: [Signature]	
Relinquished by: [Signature]		Date: 4-5-16		Time: 19:00		Company: Syn		Recalibrated by: [Signature]		Date/Time: 4-5-16, 19:00		Company: [Signature]	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.:		216		A		Cooler Temperature(s) °C and Other Remarks:					



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-97620-1

Login Number: 97620

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	OBG
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: 480-98138-1

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. Al Farrell



Authorized for release by:

4/25/2016 12:07:13 PM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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results through

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-98138-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-98138-1

Job ID: 480-98138-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-98138-1

Receipt

The sample was received on 4/13/2016 1:10 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.

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Detection Summary

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

TestAmerica Job ID: 480-98138-1

Client Sample ID: EFFLUENT 041216

Lab Sample ID: 480-98138-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	607		10.0	4.0	mg/L	1		SM2540 C	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	6.0		4.0	4.0	mg/L	1		SM 2540D	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: 480-98138-1

Client Sample ID: EFFLUENT 041216

Lab Sample ID: 480-98138-1

Date Collected: 04/12/16 07:15

Matrix: Water

Date Received: 04/13/16 01:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	607		10.0	4.0	mg/L			04/15/16 15:52	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.0		4.0	4.0	mg/L			04/18/16 09:11	1

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QC Sample Results

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

TestAmerica Job ID: 480-98138-1

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

Lab Sample ID: MB 480-296509/1
 Matrix: Water
 Analysis Batch: 296509

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/18/16 09:11	1

Lab Sample ID: LCS 480-296509/2
 Matrix: Water
 Analysis Batch: 296509

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	266	266.0		mg/L		100	88 - 110

Lab Sample ID: 480-98138-1 DU
 Matrix: Water
 Analysis Batch: 296509

Client Sample ID: EFFLUENT 041216
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	6.0		6.40		mg/L		6	10

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-296235/1
 Matrix: Water
 Analysis Batch: 296235

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/15/16 15:52	1

Lab Sample ID: LCS 480-296235/2
 Matrix: Water
 Analysis Batch: 296235

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	515	480.0		mg/L		93	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-98138-1

General Chemistry

Analysis Batch: 296235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-98138-1	EFFLUENT 041216	Total/NA	Water	SM2540 C	
LCS 480-296235/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-296235/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 296509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-98138-1	EFFLUENT 041216	Total/NA	Water	SM 2540D	
480-98138-1 DU	EFFLUENT 041216	Total/NA	Water	SM 2540D	
LCS 480-296509/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-296509/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-98138-1

Client Sample ID: EFFLUENT 041216

Lab Sample ID: 480-98138-1

Date Collected: 04/12/16 07:15

Matrix: Water

Date Received: 04/13/16 01:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	296509	04/18/16 09:11	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	296235	04/15/16 15:52	ELR	TAL BUF

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 480-98138-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-98138-1

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: 480-98138-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-98138-1	EFFLUENT 041216	Water	04/12/16 07:15	04/13/16 01:10

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-98138-1

Login Number: 98138

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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.	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: 480-98516-1

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. Al Farrell



Authorized for release by:

4/28/2016 8:15:46 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-98516-1

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.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-98516-1

Job ID: 480-98516-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-98516-1

Receipt

The samples were received on 4/19/2016 12:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

GC/MS VOA

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

General Chemistry

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

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Detection Summary

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

TestAmerica Job ID: 480-98516-1

Client Sample ID: EFFLUENT 041816

Lab Sample ID: 480-98516-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	602		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 041816

Lab Sample ID: 480-98516-2

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-98516-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	J	10	3.0	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: 480-98516-1

Client Sample ID: EFFLUENT 041816

Lab Sample ID: 480-98516-1

Date Collected: 04/18/16 07:30

Matrix: Water

Date Received: 04/19/16 00:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	602		10.0	4.0	mg/L			04/22/16 03:02	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/22/16 16:43	1

Client Sample ID: EFFLUENT 041816

Lab Sample ID: 480-98516-2

Date Collected: 04/18/16 07:30

Matrix: Water

Date Received: 04/19/16 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/16 11:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/16 11:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/16 11:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/16 11:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/26/16 11:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/16 11:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/16 11:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/16 11:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/16 11:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/16 11:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/16 11:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/16 11:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/16 11:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/26/16 11:11	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/16 11:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/16 11:11	1
Acetone	ND		10	3.0	ug/L			04/26/16 11:11	1
Benzene	ND		1.0	0.41	ug/L			04/26/16 11:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/16 11:11	1
Bromoform	ND		1.0	0.26	ug/L			04/26/16 11:11	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/16 11:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/16 11:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/16 11:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/16 11:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/16 11:11	1
Chloroethane	ND		1.0	0.32	ug/L			04/26/16 11:11	1
Chloroform	ND		1.0	0.34	ug/L			04/26/16 11:11	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/16 11:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/26/16 11:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/16 11:11	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/16 11:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/16 11:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/16 11:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/16 11:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/16 11:11	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/16 11:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/16 11:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/16 11:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/26/16 11:11	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-98516-1

Client Sample ID: EFFLUENT 041816

Lab Sample ID: 480-98516-2

Date Collected: 04/18/16 07:30

Matrix: Water

Date Received: 04/19/16 00:45

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			04/26/16 11:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/16 11:11	1
Toluene	ND		1.0	0.51	ug/L			04/26/16 11:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/16 11:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/16 11:11	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/16 11:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/26/16 11:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/26/16 11:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/16 11:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		71 - 126					04/26/16 11:11	1
1,2-Dichloroethane-d4 (Surr)	102		66 - 137					04/26/16 11:11	1
4-Bromofluorobenzene (Surr)	96		73 - 120					04/26/16 11:11	1
Dibromofluoromethane (Surr)	100		60 - 140					04/26/16 11:11	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-98516-3

Date Collected: 04/18/16 00:00

Matrix: Water

Date Received: 04/19/16 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/16 11:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/16 11:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/16 11:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/16 11:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/26/16 11:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/16 11:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/16 11:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/16 11:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/16 11:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/16 11:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/16 11:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/16 11:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/16 11:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/26/16 11:38	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/16 11:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/16 11:38	1
Acetone	4.2	J	10	3.0	ug/L			04/26/16 11:38	1
Benzene	ND		1.0	0.41	ug/L			04/26/16 11:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/16 11:38	1
Bromoform	ND		1.0	0.26	ug/L			04/26/16 11:38	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/16 11:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/16 11:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/16 11:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/16 11:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/16 11:38	1
Chloroethane	ND		1.0	0.32	ug/L			04/26/16 11:38	1
Chloroform	ND		1.0	0.34	ug/L			04/26/16 11:38	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/16 11:38	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-98516-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-98516-3

Date Collected: 04/18/16 00:00

Matrix: Water

Date Received: 04/19/16 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/26/16 11:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/16 11:38	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/16 11:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/16 11:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/16 11:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/16 11:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/16 11:38	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/16 11:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/16 11:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/16 11:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/26/16 11:38	1
Styrene	ND		1.0	0.73	ug/L			04/26/16 11:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/16 11:38	1
Toluene	ND		1.0	0.51	ug/L			04/26/16 11:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/16 11:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/16 11:38	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/16 11:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/26/16 11:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/26/16 11:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/16 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		71 - 126		04/26/16 11:38	1
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		04/26/16 11:38	1
4-Bromofluorobenzene (Surr)	97		73 - 120		04/26/16 11:38	1
Dibromofluoromethane (Surr)	97		60 - 140		04/26/16 11:38	1

Surrogate Summary

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

TestAmerica Job ID: 480-98516-1

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	TOL	12DCE	BFB	DBFM
		(71-126)	(66-137)	(73-120)	(60-140)
480-98516-2	EFFLUENT 041816	99	102	96	100
480-98516-3	TRIP BLANK	101	97	97	97
LCS 480-298186/5	Lab Control Sample	100	97	99	94
MB 480-298186/7	Method Blank	98	100	95	102

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

TestAmerica Job ID: 480-98516-1

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

Lab Sample ID: MB 480-298186/7

Matrix: Water

Analysis Batch: 298186

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			04/26/16 10:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/26/16 10:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/26/16 10:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/26/16 10:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/26/16 10:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/26/16 10:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/26/16 10:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/26/16 10:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/26/16 10:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/26/16 10:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/26/16 10:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/26/16 10:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/26/16 10:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/26/16 10:32	1
2-Hexanone	ND		5.0	1.2	ug/L			04/26/16 10:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/26/16 10:32	1
Acetone	ND		10	3.0	ug/L			04/26/16 10:32	1
Benzene	ND		1.0	0.41	ug/L			04/26/16 10:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/26/16 10:32	1
Bromoform	ND		1.0	0.26	ug/L			04/26/16 10:32	1
Bromomethane	ND		1.0	0.69	ug/L			04/26/16 10:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/26/16 10:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/26/16 10:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/26/16 10:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/26/16 10:32	1
Chloroethane	ND		1.0	0.32	ug/L			04/26/16 10:32	1
Chloroform	ND		1.0	0.34	ug/L			04/26/16 10:32	1
Chloromethane	ND		1.0	0.35	ug/L			04/26/16 10:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/26/16 10:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/26/16 10:32	1
Cyclohexane	ND		1.0	0.18	ug/L			04/26/16 10:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/26/16 10:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/26/16 10:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/26/16 10:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/26/16 10:32	1
Methyl acetate	ND		2.5	1.3	ug/L			04/26/16 10:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/26/16 10:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/26/16 10:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/26/16 10:32	1
Styrene	ND		1.0	0.73	ug/L			04/26/16 10:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/26/16 10:32	1
Toluene	ND		1.0	0.51	ug/L			04/26/16 10:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/26/16 10:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/26/16 10:32	1
Trichloroethene	ND		1.0	0.46	ug/L			04/26/16 10:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/26/16 10:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/26/16 10:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/26/16 10:32	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-98516-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	98		71 - 126		04/26/16 10:32	1
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		04/26/16 10:32	1
4-Bromofluorobenzene (Surr)	95		73 - 120		04/26/16 10:32	1
Dibromofluoromethane (Surr)	102		60 - 140		04/26/16 10:32	1

Lab Sample ID: LCS 480-298186/5
 Matrix: Water
 Analysis Batch: 298186

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	21.8		ug/L		87	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.7		ug/L		99	70 - 126
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.4		ug/L		105	52 - 148
1,1-Dichloroethane	25.0	22.6		ug/L		91	71 - 129
1,1-Dichloroethene	25.0	22.0		ug/L		88	58 - 121
1,2,4-Trichlorobenzene	25.0	22.2		ug/L		89	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	56 - 134
1,2-Dichlorobenzene	25.0	22.9		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	22.5		ug/L		90	75 - 127
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	22.8		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	75 - 120
2-Butanone (MEK)	125	122		ug/L		97	57 - 140
2-Hexanone	125	129		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	123		ug/L		99	71 - 125
Acetone	125	113		ug/L		90	56 - 142
Benzene	25.0	22.7		ug/L		91	71 - 124
Bromodichloromethane	25.0	23.7		ug/L		95	80 - 122
Bromoform	25.0	25.1		ug/L		100	52 - 132
Bromomethane	25.0	22.6		ug/L		90	55 - 144
Carbon disulfide	25.0	20.9		ug/L		83	59 - 134
Carbon tetrachloride	25.0	21.6		ug/L		87	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	72 - 120
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125
Chloroethane	25.0	21.9		ug/L		88	69 - 136
Chloroform	25.0	22.2		ug/L		89	73 - 127
Chloromethane	25.0	20.7		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	22.8		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		102	74 - 124
Cyclohexane	25.0	20.1		ug/L		80	59 - 135
Dichlorodifluoromethane	25.0	20.3		ug/L		81	59 - 135
Ethylbenzene	25.0	23.6		ug/L		95	77 - 123
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
Isopropylbenzene	25.0	23.9		ug/L		96	77 - 122
Methyl acetate	125	113		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	22.8		ug/L		91	64 - 127
Methylcyclohexane	25.0	21.6		ug/L		86	61 - 138
Methylene Chloride	25.0	23.3		ug/L		93	57 - 132
Styrene	25.0	23.9		ug/L		96	70 - 130
Tetrachloroethene	25.0	21.7		ug/L		87	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	21.4		ug/L		85	73 - 127

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-98516-1

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

Lab Sample ID: LCS 480-298186/5
Matrix: Water
Analysis Batch: 298186

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	25.7		ug/L		103	72 - 123
Trichloroethene	25.0	21.8		ug/L		87	74 - 123
Trichlorofluoromethane	25.0	23.7		ug/L		95	62 - 152
Vinyl chloride	25.0	22.0		ug/L		88	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		71 - 126
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Dibromofluoromethane (Surr)	94		60 - 140

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

Lab Sample ID: MB 480-297751/1
Matrix: Water
Analysis Batch: 297751

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/22/16 16:43	1

Lab Sample ID: LCS 480-297751/2
Matrix: Water
Analysis Batch: 297751

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	244	244.4		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-297554/1
Matrix: Water
Analysis Batch: 297554

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/22/16 03:02	1

Lab Sample ID: LCS 480-297554/2
Matrix: Water
Analysis Batch: 297554

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	515	486.0		mg/L		94	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-98516-1

GC/MS VOA

Analysis Batch: 298186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-98516-2	EFFLUENT 041816	Total/NA	Water	8260C	
480-98516-3	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-298186/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-298186/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 297554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-98516-1	EFFLUENT 041816	Total/NA	Water	SM2540 C	
LCS 480-297554/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-297554/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 297751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-98516-1	EFFLUENT 041816	Total/NA	Water	SM 2540D	
LCS 480-297751/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-297751/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-98516-1

Client Sample ID: EFFLUENT 041816

Lab Sample ID: 480-98516-1

Date Collected: 04/18/16 07:30

Matrix: Water

Date Received: 04/19/16 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	297751	04/22/16 16:43	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	297554	04/22/16 03:02	CDC	TAL BUF

Client Sample ID: EFFLUENT 041816

Lab Sample ID: 480-98516-2

Date Collected: 04/18/16 07:30

Matrix: Water

Date Received: 04/19/16 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	298186	04/26/16 11:11	RRS	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-98516-3

Date Collected: 04/18/16 00:00

Matrix: Water

Date Received: 04/19/16 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	298186	04/26/16 11:38	RRS	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-98516-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-98516-1

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

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: 480-98516-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-98516-1	EFFLUENT 041816	Water	04/18/16 07:30	04/19/16 00:45
480-98516-2	EFFLUENT 041816	Water	04/18/16 07:30	04/19/16 00:45
480-98516-3	TRIP BLANK	Water	04/18/16 00:00	04/19/16 00:45

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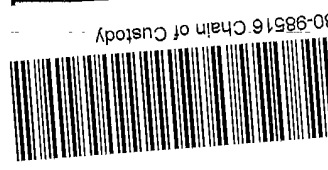
14

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

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

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: 315-856-6100 (Tel) 315-463-7554 (Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab Pk: Johnson, Oriette S E-Mail: oriette.johnson@testamericainc.com Phone: 315-729-1300 Due Date Requested: TAT Requested (days): PO #: 11312000EST W/O #: 48008584 Project #: 48008584 SSOW#:		Carrier Tracking No(s): 480-98516 Chain of Custody 		COC No: 480-78347-10587.1 Page: Page 1 of 1 Job #:	
Sample Identification Sample ID: 041816 Description: Effluent 041816		Matrix: (W=water, S=solid, O=waste/oil, BT=Blood, A=Air) Sample Type (C=comp, G=grab): C Sample Time: 7:30 Sample Date: 4-18-16		Field Filtered Sample (Yes or No): 2540D - Total Suspended Solids 2540C - Total Dissolved Solids 8260C - Volatile Organic Compounds		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 X - EDTA Z - other (specify)	
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		Special Instructions/Note: Total Number of Containers: 3		Special Instructions/Note: Total Number of Containers: 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	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Received by: [Signature] Date/Time: 4-18-16 10:10 Company: SYR		Received by: [Signature] Date/Time: 4-18-16 0045 Company: TMS	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 1-3		Relinquished by: [Signature] Date/Time: 4-18-16 19:05 Company: TMS		Relinquished by: [Signature] Date/Time: 4-18-16 0045 Company: TMS	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-98516-1

Login Number: 98516

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	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: 480-99052-1

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. Al Farrell



Authorized for release by:

5/9/2016 8:54:39 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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

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

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Sample Summary	12
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Definitions/Glossary

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

TestAmerica Job ID: 480-99052-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-99052-1

Job ID: 480-99052-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-99052-1**

Receipt

The sample was received on 4/27/2016 1:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9° C.

General Chemistry

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

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Detection Summary

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

TestAmerica Job ID: 480-99052-1

Client Sample ID: EFFLUENT 042616

Lab Sample ID: 480-99052-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	634		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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Client Sample Results

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

TestAmerica Job ID: 480-99052-1

Client Sample ID: EFFLUENT 042616

Lab Sample ID: 480-99052-1

Date Collected: 04/26/16 07:10

Matrix: Water

Date Received: 04/27/16 01:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	634		10.0	4.0	mg/L	--		05/02/16 17:23	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		05/01/16 11:29	1

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QC Sample Results

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

TestAmerica Job ID: 480-99052-1

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

Lab Sample ID: MB 480-299236/1
Matrix: Water
Analysis Batch: 299236

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/01/16 11:29	1

Lab Sample ID: LCS 480-299236/2
Matrix: Water
Analysis Batch: 299236

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	227	226.0		mg/L		99	88 - 110

Lab Sample ID: 480-99052-1 DU
Matrix: Water
Analysis Batch: 299236

Client Sample ID: EFFLUENT 042616
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 480-299487/1
Matrix: Water
Analysis Batch: 299487

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			05/02/16 17:23	1

Lab Sample ID: LCS 480-299487/2
Matrix: Water
Analysis Batch: 299487

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	539	534.0		mg/L		99	85 - 115

Lab Sample ID: 480-99052-1 DU
Matrix: Water
Analysis Batch: 299487

Client Sample ID: EFFLUENT 042616
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	634		637.0		mg/L		0.5	10

QC Association Summary

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

TestAmerica Job ID: 480-99052-1

General Chemistry

Analysis Batch: 299236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99052-1	EFFLUENT 042616	Total/NA	Water	SM 2540D	
480-99052-1 DU	EFFLUENT 042616	Total/NA	Water	SM 2540D	
LCS 480-299236/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-299236/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 299487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99052-1	EFFLUENT 042616	Total/NA	Water	SM2540 C	
480-99052-1 DU	EFFLUENT 042616	Total/NA	Water	SM2540 C	
LCS 480-299487/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-299487/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-99052-1

Client Sample ID: EFFLUENT 042616

Lab Sample ID: 480-99052-1

Date Collected: 04/26/16 07:10

Matrix: Water

Date Received: 04/27/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	299236	05/01/16 11:29	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	299487	05/02/16 17:23	MGH	TAL BUF

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 480-99052-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-99052-1

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: 480-99052-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-99052-1	EFFLUENT 042616	Water	04/26/16 07:10	04/27/16 01:30

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-99052-1

Login Number: 99052

List Number: 1

Creator: Williams, Christopher S

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.	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.	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: 480-99694-1

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. Al Farrell



Authorized for release by:

5/19/2016 8:06:34 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-99694-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-99694-1

Job ID: 480-99694-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-99694-1

Receipt

The samples were received on 5/6/2016 1:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9° C.

GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-302069 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, 2-Butanone (MEK), Acetone and Carbon tetrachloride. The samples associated with this CCV were non-detect above the reporting limit for the affected analytes; therefore, the data have been reported. The following samples are impacted: BETWEEN CARBONS 050516 (480-99694-2) and EFFLUENT 050516 (480-99694-3).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-302069 recovered outside control limits for the following analytes: Acetone and Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected above the reporting limit in the associated samples; therefore, the data have been reported. The following samples are affected: BETWEEN CARBONS 050516 (480-99694-2) and EFFLUENT 050516 (480-99694-3).

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: 480-99694-1

Client Sample ID: EFFLUENT 050516

Lab Sample ID: 480-99694-1

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

Client Sample ID: BETWEEN CARBONS 050516

Lab Sample ID: 480-99694-2

No Detections.

Client Sample ID: EFFLUENT 050516

Lab Sample ID: 480-99694-3

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: 480-99694-1

Client Sample ID: EFFLUENT 050516

Lab Sample ID: 480-99694-1

Date Collected: 05/05/16 07:30

Matrix: Water

Date Received: 05/06/16 01:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	624		10.0	4.0	mg/L			05/11/16 16:12	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			05/10/16 10:35	1

Client Sample ID: BETWEEN CARBONS 050516

Lab Sample ID: 480-99694-2

Date Collected: 05/05/16 07:30

Matrix: Water

Date Received: 05/06/16 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1 F2	1.0	0.82	ug/L			05/17/16 00:26	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/16 00:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/16 00:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	1.0	0.31	ug/L			05/17/16 00:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/16 00:26	1
1,1-Dichloroethene	ND	F1 F2	1.0	0.29	ug/L			05/17/16 00:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/17/16 00:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/17/16 00:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/17/16 00:26	1
1,2-Dichloroethane	ND	F1	1.0	0.21	ug/L			05/17/16 00:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/16 00:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/17/16 00:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/17/16 00:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/16 00:26	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/16 00:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/16 00:26	1
Acetone	ND	*	10	3.0	ug/L			05/17/16 00:26	1
Benzene	ND	F2	1.0	0.41	ug/L			05/17/16 00:26	1
Bromodichloromethane	ND	F1 F2	1.0	0.39	ug/L			05/17/16 00:26	1
Bromoform	ND		1.0	0.26	ug/L			05/17/16 00:26	1
Bromomethane	ND	F1 F2	1.0	0.69	ug/L			05/17/16 00:26	1
Carbon disulfide	ND	F2	1.0	0.19	ug/L			05/17/16 00:26	1
Carbon tetrachloride	ND	F1 F2	1.0	0.27	ug/L			05/17/16 00:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/16 00:26	1
Dibromochloromethane	ND	F2	1.0	0.32	ug/L			05/17/16 00:26	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/16 00:26	1
Chloroform	ND		1.0	0.34	ug/L			05/17/16 00:26	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/16 00:26	1
cis-1,2-Dichloroethene	ND	F2	1.0	0.81	ug/L			05/17/16 00:26	1
cis-1,3-Dichloropropene	ND	F2	1.0	0.36	ug/L			05/17/16 00:26	1
Cyclohexane	ND	F2	1.0	0.18	ug/L			05/17/16 00:26	1
Dichlorodifluoromethane	ND	* F1	1.0	0.68	ug/L			05/17/16 00:26	1
Ethylbenzene	ND	F2	1.0	0.74	ug/L			05/17/16 00:26	1
1,2-Dibromoethane	ND	F2	1.0	0.73	ug/L			05/17/16 00:26	1
Isopropylbenzene	ND	F2	1.0	0.79	ug/L			05/17/16 00:26	1
Methyl acetate	ND		2.5	1.3	ug/L			05/17/16 00:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/17/16 00:26	1
Methylcyclohexane	ND	F2	1.0	0.16	ug/L			05/17/16 00:26	1
Methylene Chloride	ND	F2	1.0	0.44	ug/L			05/17/16 00:26	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-99694-1

Client Sample ID: BETWEEN CARBONS 050516

Lab Sample ID: 480-99694-2

Date Collected: 05/05/16 07:30

Matrix: Water

Date Received: 05/06/16 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	F2	1.0	0.73	ug/L			05/17/16 00:26	1
Tetrachloroethene	ND	F2	1.0	0.36	ug/L			05/17/16 00:26	1
Toluene	ND	F2	1.0	0.51	ug/L			05/17/16 00:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/17/16 00:26	1
trans-1,3-Dichloropropene	ND	F2	1.0	0.37	ug/L			05/17/16 00:26	1
Trichloroethene	ND	F2	1.0	0.46	ug/L			05/17/16 00:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/17/16 00:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/16 00:26	1
Xylenes, Total	ND	F2	2.0	0.66	ug/L			05/17/16 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		71 - 126					05/17/16 00:26	1
1,2-Dichloroethane-d4 (Surr)	116		66 - 137					05/17/16 00:26	1
4-Bromofluorobenzene (Surr)	97		73 - 120					05/17/16 00:26	1
Dibromofluoromethane (Surr)	113		60 - 140					05/17/16 00:26	1

Client Sample ID: EFFLUENT 050516

Lab Sample ID: 480-99694-3

Date Collected: 05/05/16 07:30

Matrix: Water

Date Received: 05/06/16 01:40

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			05/17/16 00:53	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/17/16 00:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/17/16 00:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/17/16 00:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/17/16 00:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/17/16 00:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/17/16 00:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/17/16 00:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/17/16 00:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/17/16 00:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/17/16 00:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/17/16 00:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/17/16 00:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/17/16 00:53	1
2-Hexanone	ND		5.0	1.2	ug/L			05/17/16 00:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/17/16 00:53	1
Acetone	ND	*	10	3.0	ug/L			05/17/16 00:53	1
Benzene	ND		1.0	0.41	ug/L			05/17/16 00:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/17/16 00:53	1
Bromoform	ND		1.0	0.26	ug/L			05/17/16 00:53	1
Bromomethane	ND		1.0	0.69	ug/L			05/17/16 00:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/17/16 00:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/17/16 00:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/17/16 00:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/17/16 00:53	1
Chloroethane	ND		1.0	0.32	ug/L			05/17/16 00:53	1
Chloroform	ND		1.0	0.34	ug/L			05/17/16 00:53	1
Chloromethane	ND		1.0	0.35	ug/L			05/17/16 00:53	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-99694-1

Client Sample ID: EFFLUENT 050516

Lab Sample ID: 480-99694-3

Date Collected: 05/05/16 07:30

Matrix: Water

Date Received: 05/06/16 01:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/17/16 00:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/17/16 00:53	1
Cyclohexane	ND		1.0	0.18	ug/L			05/17/16 00:53	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			05/17/16 00:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/17/16 00:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/17/16 00:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/17/16 00:53	1
Methyl acetate	ND		2.5	1.3	ug/L			05/17/16 00:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/17/16 00:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/17/16 00:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/17/16 00:53	1
Styrene	ND		1.0	0.73	ug/L			05/17/16 00:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/17/16 00:53	1
Toluene	ND		1.0	0.51	ug/L			05/17/16 00:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/17/16 00:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/17/16 00:53	1
Trichloroethene	ND		1.0	0.46	ug/L			05/17/16 00:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/17/16 00:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/17/16 00:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/17/16 00:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 126		05/17/16 00:53	1
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		05/17/16 00:53	1
4-Bromofluorobenzene (Surr)	98		73 - 120		05/17/16 00:53	1
Dibromofluoromethane (Surr)	112		60 - 140		05/17/16 00:53	1

Surrogate Summary

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

TestAmerica Job ID: 480-99694-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-126)	12DCE (66-137)	BFB (73-120)	DBFM (60-140)
480-99694-2	BETWEEN CARBONS 050516	95	116	97	113
480-99694-2 MS	BETWEEN CARBONS 050516	98	116	104	114
480-99694-2 MSD	BETWEEN CARBONS 050516	97	115	104	115
480-99694-3	EFFLUENT 050516	97	113	98	112
LCS 480-302069/4	Lab Control Sample	99	110	101	110
MB 480-302069/7	Method Blank	97	115	101	111

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

TestAmerica Job ID: 480-99694-1

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

Lab Sample ID: MB 480-302069/7

Matrix: Water

Analysis Batch: 302069

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/16/16 23:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/16/16 23:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/16/16 23:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/16/16 23:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/16/16 23:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/16/16 23:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/16/16 23:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/16/16 23:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/16/16 23:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/16/16 23:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/16/16 23:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/16/16 23:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/16/16 23:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/16/16 23:44	1
2-Hexanone	ND		5.0	1.2	ug/L			05/16/16 23:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/16/16 23:44	1
Acetone	ND		10	3.0	ug/L			05/16/16 23:44	1
Benzene	ND		1.0	0.41	ug/L			05/16/16 23:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/16/16 23:44	1
Bromoform	ND		1.0	0.26	ug/L			05/16/16 23:44	1
Bromomethane	ND		1.0	0.69	ug/L			05/16/16 23:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/16/16 23:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/16/16 23:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/16/16 23:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/16/16 23:44	1
Chloroethane	ND		1.0	0.32	ug/L			05/16/16 23:44	1
Chloroform	ND		1.0	0.34	ug/L			05/16/16 23:44	1
Chloromethane	ND		1.0	0.35	ug/L			05/16/16 23:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/16/16 23:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/16/16 23:44	1
Cyclohexane	ND		1.0	0.18	ug/L			05/16/16 23:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/16/16 23:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/16/16 23:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/16/16 23:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/16/16 23:44	1
Methyl acetate	ND		2.5	1.3	ug/L			05/16/16 23:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/16/16 23:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/16/16 23:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/16/16 23:44	1
Styrene	ND		1.0	0.73	ug/L			05/16/16 23:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/16/16 23:44	1
Toluene	ND		1.0	0.51	ug/L			05/16/16 23:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/16/16 23:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/16/16 23:44	1
Trichloroethene	ND		1.0	0.46	ug/L			05/16/16 23:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/16/16 23:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/16/16 23:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/16/16 23:44	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-99694-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	97		71 - 126		05/16/16 23:44	1
1,2-Dichloroethane-d4 (Surr)	115		66 - 137		05/16/16 23:44	1
4-Bromofluorobenzene (Surr)	101		73 - 120		05/16/16 23:44	1
Dibromofluoromethane (Surr)	111		60 - 140		05/16/16 23:44	1

Lab Sample ID: LCS 480-302069/4
Matrix: Water
Analysis Batch: 302069

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	29.2		ug/L		117	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.0		ug/L		104	70 - 126
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.3		ug/L		125	52 - 148
1,1-Dichloroethane	25.0	24.8		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	26.9		ug/L		107	58 - 121
1,2,4-Trichlorobenzene	25.0	25.4		ug/L		102	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	29.0		ug/L		116	56 - 134
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	27.1		ug/L		108	75 - 127
1,2-Dichloropropane	25.0	23.9		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	24.7		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	75 - 120
2-Butanone (MEK)	125	154		ug/L		124	57 - 140
2-Hexanone	125	137		ug/L		109	65 - 127
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Acetone	125	212	*	ug/L		170	56 - 142
Benzene	25.0	24.4		ug/L		98	71 - 124
Bromodichloromethane	25.0	27.6		ug/L		111	80 - 122
Bromoform	25.0	28.3		ug/L		113	52 - 132
Bromomethane	25.0	29.6		ug/L		118	55 - 144
Carbon disulfide	25.0	26.2		ug/L		105	59 - 134
Carbon tetrachloride	25.0	30.1		ug/L		121	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	72 - 120
Dibromochloromethane	25.0	26.9		ug/L		107	75 - 125
Chloroethane	25.0	26.7		ug/L		107	69 - 136
Chloroform	25.0	26.8		ug/L		107	73 - 127
Chloromethane	25.0	25.5		ug/L		102	68 - 124
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	26.1		ug/L		104	59 - 135
Dichlorodifluoromethane	25.0	36.9	*	ug/L		148	59 - 135
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	25.4		ug/L		102	77 - 120
Isopropylbenzene	25.0	25.1		ug/L		100	77 - 122
Methyl acetate	125	139		ug/L		111	74 - 133
Methyl tert-butyl ether	25.0	26.2		ug/L		105	64 - 127
Methylcyclohexane	25.0	25.9		ug/L		104	61 - 138
Methylene Chloride	25.0	24.6		ug/L		99	57 - 132
Styrene	25.0	24.0		ug/L		96	70 - 130
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	25.2		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: 480-99694-1

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

Lab Sample ID: LCS 480-302069/4
Matrix: Water
Analysis Batch: 302069

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	25.0		ug/L		100	72 - 123
Trichloroethene	25.0	26.1		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	29.4		ug/L		117	62 - 152
Vinyl chloride	25.0	25.3		ug/L		101	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		71 - 126
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	110		60 - 140

Lab Sample ID: 480-99694-2 MS
Matrix: Water
Analysis Batch: 302069

Client Sample ID: BETWEEN CARBONS 050516
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	F1 F2	25.0	36.7	F1	ug/L		147	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.6		ug/L		110	70 - 126
1,1,2-Trichloroethane	ND		25.0	26.9		ug/L		108	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	25.0	37.4	F1	ug/L		149	52 - 148
1,1-Dichloroethane	ND		25.0	28.6		ug/L		114	71 - 129
1,1-Dichloroethene	ND	F1 F2	25.0	31.8	F1	ug/L		127	58 - 121
1,2,4-Trichlorobenzene	ND		25.0	27.2		ug/L		109	70 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	30.9		ug/L		124	56 - 134
1,2-Dichlorobenzene	ND		25.0	27.2		ug/L		109	80 - 124
1,2-Dichloroethane	ND	F1	25.0	31.9	F1	ug/L		128	75 - 127
1,2-Dichloropropane	ND		25.0	26.2		ug/L		105	76 - 120
1,3-Dichlorobenzene	ND		25.0	26.7		ug/L		107	77 - 120
1,4-Dichlorobenzene	ND		25.0	26.6		ug/L		106	75 - 120
2-Butanone (MEK)	ND		125	158		ug/L		126	57 - 140
2-Hexanone	ND		125	145		ug/L		116	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	145		ug/L		116	71 - 125
Acetone	ND	*	125	176		ug/L		141	56 - 142
Benzene	ND	F2	25.0	27.5		ug/L		110	71 - 124
Bromodichloromethane	ND	F1 F2	25.0	31.6	F1	ug/L		127	80 - 122
Bromoform	ND		25.0	30.2		ug/L		121	52 - 132
Bromomethane	ND	F1 F2	25.0	39.6	F1	ug/L		159	55 - 144
Carbon disulfide	ND	F2	25.0	30.1		ug/L		120	59 - 134
Carbon tetrachloride	ND	F1 F2	25.0	38.7	F1	ug/L		155	72 - 134
Chlorobenzene	ND		25.0	27.0		ug/L		108	72 - 120
Dibromochloromethane	ND	F2	25.0	31.0		ug/L		124	75 - 125
Chloroethane	ND		25.0	29.1		ug/L		116	69 - 136
Chloroform	ND		25.0	31.5		ug/L		126	73 - 127
Chloromethane	ND		25.0	25.8		ug/L		103	68 - 124
cis-1,2-Dichloroethene	ND	F2	25.0	28.5		ug/L		114	74 - 124
cis-1,3-Dichloropropene	ND	F2	25.0	25.4		ug/L		102	74 - 124
Cyclohexane	ND	F2	25.0	30.0		ug/L		120	59 - 135

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-99694-1

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

Lab Sample ID: 480-99694-2 MS

Client Sample ID: BETWEEN CARBONS 050516

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 302069

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	ND	* F1	25.0	41.1	F1	ug/L		164	59 - 135
Ethylbenzene	ND	F2	25.0	28.2		ug/L		113	77 - 123
1,2-Dibromoethane	ND	F2	25.0	29.0		ug/L		116	77 - 120
Isopropylbenzene	ND	F2	25.0	27.8		ug/L		111	77 - 122
Methyl acetate	ND		125	148		ug/L		119	74 - 133
Methyl tert-butyl ether	ND		25.0	28.8		ug/L		115	64 - 127
Methylcyclohexane	ND	F2	25.0	29.3		ug/L		117	61 - 138
Methylene Chloride	ND	F2	25.0	27.1		ug/L		108	57 - 132
Styrene	ND	F2	25.0	26.8		ug/L		107	70 - 130
Tetrachloroethene	ND	F2	25.0	29.8		ug/L		119	74 - 122
Toluene	ND	F2	25.0	26.8		ug/L		107	80 - 122
trans-1,2-Dichloroethene	ND		25.0	29.5		ug/L		118	73 - 127
trans-1,3-Dichloropropene	ND	F2	25.0	26.7		ug/L		107	72 - 123
Trichloroethene	ND	F2	25.0	30.2		ug/L		121	74 - 123
Trichlorofluoromethane	ND		25.0	35.0		ug/L		140	62 - 152
Vinyl chloride	ND		25.0	26.2		ug/L		105	65 - 133

Surrogate	MS %Recovery	MS Qualifier	MS Limits
Toluene-d8 (Surr)	98		71 - 126
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	114		60 - 140

Lab Sample ID: 480-99694-2 MSD

Client Sample ID: BETWEEN CARBONS 050516

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 302069

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1 F2	25.0	28.6	F2	ug/L		115	73 - 126	25	15
1,1,1,2-Tetrachloroethane	ND		25.0	25.5		ug/L		102	70 - 126	8	15
1,1,2-Trichloroethane	ND		25.0	23.4		ug/L		93	76 - 122	14	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	25.0	28.8	F2	ug/L		115	52 - 148	26	20
1,1-Dichloroethane	ND		25.0	23.5		ug/L		94	71 - 129	20	20
1,1-Dichloroethene	ND	F1 F2	25.0	25.9	F2	ug/L		103	58 - 121	21	16
1,2,4-Trichlorobenzene	ND		25.0	22.4		ug/L		90	70 - 122	19	20
1,2-Dibromo-3-Chloropropane	ND		25.0	29.6		ug/L		118	56 - 134	4	15
1,2-Dichlorobenzene	ND		25.0	22.9		ug/L		91	80 - 124	17	20
1,2-Dichloroethane	ND	F1	25.0	26.9		ug/L		108	75 - 127	17	20
1,2-Dichloropropane	ND		25.0	22.2		ug/L		89	76 - 120	16	20
1,3-Dichlorobenzene	ND		25.0	21.8		ug/L		87	77 - 120	20	20
1,4-Dichlorobenzene	ND		25.0	21.8		ug/L		87	75 - 120	20	20
2-Butanone (MEK)	ND		125	152		ug/L		121	57 - 140	4	20
2-Hexanone	ND		125	137		ug/L		109	65 - 127	6	15
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		107	71 - 125	8	35
Acetone	ND	*	125	171		ug/L		137	56 - 142	3	15
Benzene	ND	F2	25.0	22.8	F2	ug/L		91	71 - 124	19	13
Bromodichloromethane	ND	F1 F2	25.0	26.3	F2	ug/L		105	80 - 122	18	15

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-99694-1

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

Lab Sample ID: 480-99694-2 MSD
Matrix: Water
Analysis Batch: 302069

Client Sample ID: BETWEEN CARBONS 050516
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Bromoform	ND		25.0	26.7		ug/L		107	52 - 132	12	15
Bromomethane	ND	F1 F2	25.0	31.5	F2	ug/L		126	55 - 144	23	15
Carbon disulfide	ND	F2	25.0	24.6	F2	ug/L		98	59 - 134	20	15
Carbon tetrachloride	ND	F1 F2	25.0	30.1	F2	ug/L		120	72 - 134	25	15
Chlorobenzene	ND		25.0	22.0		ug/L		88	72 - 120	20	25
Dibromochloromethane	ND	F2	25.0	25.9	F2	ug/L		104	75 - 125	18	15
Chloroethane	ND		25.0	26.1		ug/L		104	69 - 136	11	15
Chloroform	ND		25.0	25.8		ug/L		103	73 - 127	20	20
Chloromethane	ND		25.0	24.6		ug/L		98	68 - 124	5	15
cis-1,2-Dichloroethene	ND	F2	25.0	23.9	F2	ug/L		96	74 - 124	18	15
cis-1,3-Dichloropropene	ND	F2	25.0	21.6	F2	ug/L		86	74 - 124	16	15
Cyclohexane	ND	F2	25.0	23.7	F2	ug/L		95	59 - 135	23	20
Dichlorodifluoromethane	ND	* F1	25.0	37.7	F1	ug/L		151	59 - 135	9	20
Ethylbenzene	ND	F2	25.0	22.5	F2	ug/L		90	77 - 123	23	15
1,2-Dibromoethane	ND	F2	25.0	24.7	F2	ug/L		99	77 - 120	16	15
Isopropylbenzene	ND	F2	25.0	22.2	F2	ug/L		89	77 - 122	23	20
Methyl acetate	ND		125	137		ug/L		110	74 - 133	8	20
Methyl tert-butyl ether	ND		25.0	25.8		ug/L		103	64 - 127	11	37
Methylcyclohexane	ND	F2	25.0	23.0	F2	ug/L		92	61 - 138	24	20
Methylene Chloride	ND	F2	25.0	23.0	F2	ug/L		92	57 - 132	16	15
Styrene	ND	F2	25.0	21.7	F2	ug/L		87	70 - 130	21	20
Tetrachloroethene	ND	F2	25.0	23.6	F2	ug/L		94	74 - 122	23	20
Toluene	ND	F2	25.0	21.4	F2	ug/L		86	80 - 122	22	15
trans-1,2-Dichloroethene	ND		25.0	24.3		ug/L		97	73 - 127	20	20
trans-1,3-Dichloropropene	ND	F2	25.0	22.5	F2	ug/L		90	72 - 123	17	15
Trichloroethene	ND	F2	25.0	24.5	F2	ug/L		98	74 - 123	21	16
Trichlorofluoromethane	ND		25.0	31.5		ug/L		126	62 - 152	11	20
Vinyl chloride	ND		25.0	24.8		ug/L		99	65 - 133	5	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	97		71 - 126
1,2-Dichloroethane-d4 (Surr)	115		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	115		60 - 140

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

Lab Sample ID: MB 480-300917/1
Matrix: Water
Analysis Batch: 300917

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/10/16 10:35	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-99694-1

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

Lab Sample ID: LCS 480-300917/2
 Matrix: Water
 Analysis Batch: 300917

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	245.6		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-301249/1
 Matrix: Water
 Analysis Batch: 301249

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			05/11/16 16:12	1

Lab Sample ID: LCS 480-301249/2
 Matrix: Water
 Analysis Batch: 301249

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	510	551.0		mg/L		108	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-99694-1

GC/MS VOA

Analysis Batch: 302069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99694-2	BETWEEN CARBONS 050516	Total/NA	Water	8260C	
480-99694-2 MS	BETWEEN CARBONS 050516	Total/NA	Water	8260C	
480-99694-2 MSD	BETWEEN CARBONS 050516	Total/NA	Water	8260C	
480-99694-3	EFFLUENT 050516	Total/NA	Water	8260C	
LCS 480-302069/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-302069/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 300917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99694-1	EFFLUENT 050516	Total/NA	Water	SM 2540D	
LCS 480-300917/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-300917/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 301249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-99694-1	EFFLUENT 050516	Total/NA	Water	SM2540 C	
LCS 480-301249/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-301249/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-99694-1

Client Sample ID: EFFLUENT 050516

Lab Sample ID: 480-99694-1

Date Collected: 05/05/16 07:30

Matrix: Water

Date Received: 05/06/16 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	300917	05/10/16 10:35	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	301249	05/11/16 16:12	ELR	TAL BUF

Client Sample ID: BETWEEN CARBONS 050516

Lab Sample ID: 480-99694-2

Date Collected: 05/05/16 07:30

Matrix: Water

Date Received: 05/06/16 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	302069	05/17/16 00:26	CDC	TAL BUF

Client Sample ID: EFFLUENT 050516

Lab Sample ID: 480-99694-3

Date Collected: 05/05/16 07:30

Matrix: Water

Date Received: 05/06/16 01:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	302069	05/17/16 00:53	CDC	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-99694-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-99694-1

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

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: 480-99694-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-99694-1	EFFLUENT 050516	Water	05/05/16 07:30	05/06/16 01:40
480-99694-2	BETWEEN CARBONS 050516	Water	05/05/16 07:30	05/06/16 01:40
480-99694-3	EFFLUENT 050516	Water	05/05/16 07:30	05/06/16 01:40

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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:
 PO #: 11312000EST
 WO #:
 Project #: 48008584
 SSOW #:
 Sampler: *MARTIN KOWALSKI*
 Lab P#: Johnson, Oriette S
 E-Mail: oriette.johnson@testamericainc.com
 Phone: 315-729-1300
 Carrier:

Analysis Request
 Due Date Requested:
 TAT Requested (days):
 Field Filtered Sample (Yes or No):
 25400 - Total Suspended Solids: N N A
 2540C - Total Dissolved Solids: N N A
 8260C - Volatile Organic Compounds: N N A

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Soil, On-water, etc)	Preservation Code	Special Instructions/Note:
Effluent 050516	5-5-16	7:30	C	Water		
Between Carbons 050516	5-5-16	7:30	G	Water		
EFFLUENT 050516	5-5-16	7:30	G	Water		
<i>5-5-16</i>						
<i>PS</i>						

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)
 Empty Kit Relinquished by:
 Relinquished by: *Martin Kowalski* Company: *OBG*
 Date/Time: *5-5-16 / 9:05*
 Relinquished by: *R. Ferguson* Company: *Sun*
 Date/Time: *5-5-16, 19:00*
 Relinquished by:
 Date/Time:
 Company:
 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:
 Date: _____ Time: _____ Method of Shipment:
 Received by: *Martin Kowalski* Date/Time: *5-5-16 9:05* Company: *OBG*
 Received by: *R. Ferguson* Date/Time: *5-6-16 0140* Company: *Sun*
 Received by:
 Date/Time:
 Company:
 Cooler Temperature(s) °C and Other Remarks: *0.9*

COC No: 480-78320-10588.1
 Page: Page 1 of 1
 Job #:
 Preservation Codes:
 M - Hexane
 N - None
 O - AsNaO2
 P - Na2O4S
 Q - Na2SO3
 R - Na2SO3
 S - H2SO4
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 Z - other (specify)
 Other:
 Special Instructions/Note:
 Total Number of Containers



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-99694-1

Login Number: 99694

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	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: 480-100209-1

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. Al Farrell



Authorized for release by:

5/27/2016 11:03:14 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-100209-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-100209-1

Job ID: 480-100209-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-100209-1**

Receipt

The samples were received on 5/17/2016 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1° C.

GC/MS VOA

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

General Chemistry

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

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Detection Summary

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

TestAmerica Job ID: 480-100209-1

Client Sample ID: EFFLUENT 051616

Lab Sample ID: 480-100209-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	620		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 051616

Lab Sample ID: 480-100209-2

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: 480-100209-1

Client Sample ID: EFFLUENT 051616

Lab Sample ID: 480-100209-1

Date Collected: 05/16/16 07:15

Matrix: Water

Date Received: 05/17/16 02:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	620		10.0	4.0	mg/L			05/21/16 10:01	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			05/20/16 18:11	1

Client Sample ID: EFFLUENT 051616

Lab Sample ID: 480-100209-2

Date Collected: 05/16/16 07:15

Matrix: Water

Date Received: 05/17/16 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/21/16 16:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/21/16 16:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/21/16 16:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/21/16 16:53	1
Toluene	ND		1.0	0.51	ug/L			05/21/16 16:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/21/16 16:53	1
Trichloroethene	ND		1.0	0.46	ug/L			05/21/16 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137					05/21/16 16:53	1
4-Bromofluorobenzene (Surr)	107		73 - 120					05/21/16 16:53	1
Toluene-d8 (Surr)	99		71 - 126					05/21/16 16:53	1
Dibromofluoromethane (Surr)	98		60 - 140					05/21/16 16:53	1

Surrogate Summary

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

TestAmerica Job ID: 480-100209-1

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	12DCE (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-100209-2	EFFLUENT 051616	101	107	99	98
LCS 480-302974/5	Lab Control Sample	101	110	98	102
MB 480-302974/7	Method Blank	104	106	97	98

Surrogate Legend

12DCE = 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: 480-100209-1

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

Lab Sample ID: MB 480-302974/7

Matrix: Water

Analysis Batch: 302974

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			05/21/16 12:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/21/16 12:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/21/16 12:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/21/16 12:27	1
Toluene	ND		1.0	0.51	ug/L			05/21/16 12:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/21/16 12:27	1
Trichloroethene	ND		1.0	0.46	ug/L			05/21/16 12:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		05/21/16 12:27	1
4-Bromofluorobenzene (Surr)	106		73 - 120		05/21/16 12:27	1
Toluene-d8 (Surr)	97		71 - 126		05/21/16 12:27	1
Dibromofluoromethane (Surr)	98		60 - 140		05/21/16 12:27	1

Lab Sample ID: LCS 480-302974/5

Matrix: Water

Analysis Batch: 302974

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	22.2		ug/L		89	70 - 126
cis-1,2-Dichloroethene	25.0	23.6		ug/L		95	74 - 124
Methylene Chloride	25.0	24.7		ug/L		99	57 - 132
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	73 - 127
Trichloroethene	25.0	25.6		ug/L		103	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	98		71 - 126
Dibromofluoromethane (Surr)	102		60 - 140

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

Lab Sample ID: MB 480-302931/1

Matrix: Water

Analysis Batch: 302931

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/20/16 18:11	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-100209-1

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

Lab Sample ID: LCS 480-302931/2
 Matrix: Water
 Analysis Batch: 302931

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	253	254.0		mg/L		100	88 - 110

Lab Sample ID: 480-100209-1 DU
 Matrix: Water
 Analysis Batch: 302931

Client Sample ID: EFFLUENT 051616
 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 480-302985/1
 Matrix: Water
 Analysis Batch: 302985

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			05/21/16 10:01	1

Lab Sample ID: LCS 480-302985/2
 Matrix: Water
 Analysis Batch: 302985

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	498.0		mg/L		99	85 - 115

Lab Sample ID: 480-100209-1 DU
 Matrix: Water
 Analysis Batch: 302985

Client Sample ID: EFFLUENT 051616
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	620		619.0		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: 480-100209-1

GC/MS VOA

Analysis Batch: 302974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100209-2	EFFLUENT 051616	Total/NA	Water	8260C	
LCS 480-302974/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-302974/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 302931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100209-1	EFFLUENT 051616	Total/NA	Water	SM 2540D	
480-100209-1 DU	EFFLUENT 051616	Total/NA	Water	SM 2540D	
LCS 480-302931/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-302931/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 302985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100209-1	EFFLUENT 051616	Total/NA	Water	SM2540 C	
480-100209-1 DU	EFFLUENT 051616	Total/NA	Water	SM2540 C	
LCS 480-302985/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-302985/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-100209-1

Client Sample ID: EFFLUENT 051616

Lab Sample ID: 480-100209-1

Date Collected: 05/16/16 07:15

Matrix: Water

Date Received: 05/17/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	302931	05/20/16 18:11	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	302985	05/21/16 10:01	MGH	TAL BUF

Client Sample ID: EFFLUENT 051616

Lab Sample ID: 480-100209-2

Date Collected: 05/16/16 07:15

Matrix: Water

Date Received: 05/17/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	302974	05/21/16 16:53	NMD1	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-100209-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-100209-1

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

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: 480-100209-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-100209-1	EFFLUENT 051616	Water	05/16/16 07:15	05/17/16 02:00
480-100209-2	EFFLUENT 051616	Water	05/16/16 07:15	05/17/16 02:00

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Chain of Custody Record

Client Information
 Sampler: *Maria Koenneke* Lab Pkt: Johnson, Orlette S
 Client Contact: Mr. Yuri Veliz E-Mail: orlette.johnson@testamericainc.com
 Phone: 315-429-1300

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:

Date Date Requested:
 TAT Requested (days):
 PO #: 11312000EST
 WOC #:
 Project #: 48008584
 SSOW#:



480-100209 Chain of Custody

COC No: 480-78346-10587-1
 Page: Page 1 of 1
 Job #:

Preservation Codes:
 M - Hexane
 A - HCL
 B - NaOH
 N - None
 O - AsNaO2
 C - Zn Acetate
 D - Nitric Acid
 P - Na2OAS
 Q - Na2SO3
 R - Na2SO3
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 S - H2SO4
 T - TSP Dodecahydrate
 U - Acetone
 J - DI Water
 K - EDTA
 L - EDTA
 V - MCAA
 W - Ph 4-5
 Z - other (specify)
 Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Inorganic, Sulfid, Oxidant, etc)	Field Filtered Sample (Yes or No)		Total Number of Containers		Special Instructions/Note:
					Field Filtered (Yes or No)	Field Filtered (Yes or No)	2640D - Total Suspended Solids	2640C - Volatile Organic Compounds	
Effluent 051616	5-16-16	7:15	C	Water	X	X	2	2	
Effluent 051616	5-16-16	7:15	G	Water	X	X	3	3	

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

Empty Kit Relinquished by: Maria Koenneke Date: 5-16-16 / 9:40 Company: OBG
Relinquished by: REINGLUK Date: 5-16-16, 19:00 Company: SYR
Relinquished by: Date: Company:
 Cooler Temperature(s) °C and Other Remarks: 11



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-100209-1

Login Number: 100209

List Number: 1

Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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

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: 480-100611-1

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. Al Farrell



Authorized for release by:

6/3/2016 12:44:40 PM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

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www.testamericainc.com

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-100611-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-100611-1

Job ID: 480-100611-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-100611-1

Receipt

The sample was received on 5/25/2016 12:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

General Chemistry

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

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Detection Summary

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

TestAmerica Job ID: 480-100611-1

Client Sample ID: EFFLUENT 052416

Lab Sample ID: 480-100611-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	675		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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Client Sample Results

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

TestAmerica Job ID: 480-100611-1

Client Sample ID: EFFLUENT 052416

Lab Sample ID: 480-100611-1

Date Collected: 05/24/16 07:10

Matrix: Water

Date Received: 05/25/16 00:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	675		10.0	4.0	mg/L	--		05/31/16 12:34	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		05/31/16 07:57	1

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QC Sample Results

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

TestAmerica Job ID: 480-100611-1

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

Lab Sample ID: MB 480-304298/1
Matrix: Water
Analysis Batch: 304298

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			05/31/16 07:57	1

Lab Sample ID: LCS 480-304298/2
Matrix: Water
Analysis Batch: 304298

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	243	243.6		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-304378/1
Matrix: Water
Analysis Batch: 304378

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			05/31/16 12:34	1

Lab Sample ID: LCS 480-304378/2
Matrix: Water
Analysis Batch: 304378

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	509	504.0		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: 480-100611-1

General Chemistry

Analysis Batch: 304298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100611-1	EFFLUENT 052416	Total/NA	Water	SM 2540D	
LCS 480-304298/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-304298/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 304378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100611-1	EFFLUENT 052416	Total/NA	Water	SM2540 C	
LCS 480-304378/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-304378/1	Method Blank	Total/NA	Water	SM2540 C	



Lab Chronicle

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

TestAmerica Job ID: 480-100611-1

Client Sample ID: EFFLUENT 052416

Lab Sample ID: 480-100611-1

Date Collected: 05/24/16 07:10

Matrix: Water

Date Received: 05/25/16 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	304298	05/31/16 07:57	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	304378	05/31/16 12:34	ELR	TAL BUF

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 480-100611-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-100611-1

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: 480-100611-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-100611-1	EFFLUENT 052416	Water	05/24/16 07:10	05/25/16 00:45

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Chain of Custody Record

Client Information
 Client Contact: Mr. Yun 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: Yun.Veliz@obg.com
 Project Name: Former Accurate Die Cast
 Site:

Sample: *Marta Kowalski*
 Lab PM: Johnson, Oriette S
 Phone: 315-799-1300
 E-Mail: oriette.johnson@testamericainc.com

COC No: 460-78332-10586.1
 Page: Page 1 of 1
 Job #:

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)

Analysis Requi
 2540B - Total Suspended Solids
 2540C - Caled - Total Dissolved Solids

Field Filtered Sample (Yes or No)
 2540D - Total Suspended Solids
 2540C - Caled - Total Dissolved Solids

Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, Rest)
 Sample Type (C=comp, G=grab)
 Sample Time
 Sample Date
 Sample Date 5-24-16 7:10
 Matrix Water

Special Instructions/Note:
 Total Number of Containers

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:
 Method of Shipment:
 Date/Time: 5-24-16, 10:10
 Company: OBG
 Received by: *Marta Kowalski*
 Date/Time: 5-24-16, 19:00
 Company: *RF*
 Received by: *RF*
 Date/Time: 5-24-16, 00:45
 Company: *RF*
 Received by: *RF*
 Date/Time: 5-24-16, 00:45
 Company: *RF*

Empty Kit Relinquished by:
 Relinquished by: *Marta Kowalski*
 Relinquished by: *RF*
 Relinquished by: *RF*

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

Custody Seals Intact: Yes No
 Custody Seal No.: 31

460-100611 Chain of Custody

Barcode

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-100611-1

Login Number: 100611

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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.	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: 480-100894-1

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. Al Farrell



Authorized for release by:
6/14/2016 5:10:23 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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www.testamericainc.com

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

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

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

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QC Sample Results	7
QC Association Summary	8
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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: 480-100894-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-100894-1

Job ID: 480-100894-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-100894-1**

Receipt

The sample was received on 6/1/2016 1:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

General Chemistry

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

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Detection Summary

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

TestAmerica Job ID: 480-100894-1

Client Sample ID: EFFLUENT 053116

Lab Sample ID: 480-100894-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	623		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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Client Sample Results

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

TestAmerica Job ID: 480-100894-1

Client Sample ID: EFFLUENT 053116

Lab Sample ID: 480-100894-1

Date Collected: 05/31/16 07:15

Matrix: Water

Date Received: 06/01/16 01:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	623		10.0	4.0	mg/L	--		06/05/16 08:18	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		06/05/16 14:03	1

QC Sample Results

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

TestAmerica Job ID: 480-100894-1

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

Lab Sample ID: MB 480-305130/1
 Matrix: Water
 Analysis Batch: 305130

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/05/16 14:03	1

Lab Sample ID: LCS 480-305130/2
 Matrix: Water
 Analysis Batch: 305130

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	224	221.2		mg/L		99	88 - 110

Lab Sample ID: 480-100894-1 DU
 Matrix: Water
 Analysis Batch: 305130

Client Sample ID: EFFLUENT 053116
 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 480-305086/1
 Matrix: Water
 Analysis Batch: 305086

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/05/16 08:18	1

Lab Sample ID: LCS 480-305086/2
 Matrix: Water
 Analysis Batch: 305086

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	504	481.0		mg/L		96	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-100894-1

General Chemistry

Analysis Batch: 305086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100894-1	EFFLUENT 053116	Total/NA	Water	SM2540 C	
LCS 480-305086/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-305086/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 305130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-100894-1	EFFLUENT 053116	Total/NA	Water	SM 2540D	
480-100894-1 DU	EFFLUENT 053116	Total/NA	Water	SM 2540D	
LCS 480-305130/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-305130/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-100894-1

Client Sample ID: EFFLUENT 053116

Lab Sample ID: 480-100894-1

Date Collected: 05/31/16 07:15

Matrix: Water

Date Received: 06/01/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	305130	06/05/16 14:03	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	305086	06/05/16 08:18	ELR	TAL BUF

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 480-100894-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-100894-1

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: 480-100894-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-100894-1	EFFLUENT 053116	Water	05/31/16 07:15	06/01/16 01:30

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-100894-1

Login Number: 100894

List Number: 1

Creator: Williams, Christopher S

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.	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.	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: 480-101447-1

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. Al Farrell



Authorized for release by:

6/22/2016 6:02:29 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-101447-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-101447-1

Job ID: 480-101447-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-101447-1**

Receipt

The samples were received on 6/10/2016 1:15 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

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

General Chemistry

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

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Detection Summary

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

TestAmerica Job ID: 480-101447-1

Client Sample ID: EFFLUENT 060916

Lab Sample ID: 480-101447-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	639		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 060916

Lab Sample ID: 480-101447-2

No Detections.

Client Sample ID: EFFLUENT 060916

Lab Sample ID: 480-101447-3

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: 480-101447-1

Client Sample ID: EFFLUENT 060916

Date Collected: 06/09/16 07:30

Date Received: 06/10/16 01:15

Lab Sample ID: 480-101447-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	639		10.0	4.0	mg/L			06/15/16 02:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/15/16 05:28	1

Client Sample ID: BETWEEN CARBONS 060916

Date Collected: 06/09/16 07:30

Date Received: 06/10/16 01:15

Lab Sample ID: 480-101447-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/18/16 03:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/18/16 03:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/18/16 03:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/18/16 03:29	1
Toluene	ND		1.0	0.51	ug/L			06/18/16 03:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/18/16 03:29	1
Trichloroethene	ND		1.0	0.46	ug/L			06/18/16 03:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		66 - 137					06/18/16 03:29	1
4-Bromofluorobenzene (Surr)	92		73 - 120					06/18/16 03:29	1
Toluene-d8 (Surr)	95		71 - 126					06/18/16 03:29	1
Dibromofluoromethane (Surr)	114		60 - 140					06/18/16 03:29	1

Client Sample ID: EFFLUENT 060916

Date Collected: 06/09/16 07:30

Date Received: 06/10/16 01:15

Lab Sample ID: 480-101447-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/18/16 03:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/18/16 03:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/18/16 03:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/18/16 03:54	1
Toluene	ND		1.0	0.51	ug/L			06/18/16 03:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/18/16 03:54	1
Trichloroethene	ND		1.0	0.46	ug/L			06/18/16 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		66 - 137					06/18/16 03:54	1
4-Bromofluorobenzene (Surr)	93		73 - 120					06/18/16 03:54	1
Toluene-d8 (Surr)	93		71 - 126					06/18/16 03:54	1
Dibromofluoromethane (Surr)	113		60 - 140					06/18/16 03:54	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-101447-1

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	12DCE (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-101447-2	BETWEEN CARBONS 060916	110	92	95	114
480-101447-3	EFFLUENT 060916	111	93	93	113
LCS 480-307323/5	Lab Control Sample	95	101	97	96
MB 480-307323/7	Method Blank	103	94	93	106

Surrogate Legend

12DCE = 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: 480-101447-1

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

Lab Sample ID: MB 480-307323/7

Matrix: Water

Analysis Batch: 307323

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/17/16 22:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/17/16 22:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/17/16 22:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/17/16 22:38	1
Toluene	ND		1.0	0.51	ug/L			06/17/16 22:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/17/16 22:38	1
Trichloroethene	ND		1.0	0.46	ug/L			06/17/16 22:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		06/17/16 22:38	1
4-Bromofluorobenzene (Surr)	94		73 - 120		06/17/16 22:38	1
Toluene-d8 (Surr)	93		71 - 126		06/17/16 22:38	1
Dibromofluoromethane (Surr)	106		60 - 140		06/17/16 22:38	1

Lab Sample ID: LCS 480-307323/5

Matrix: Water

Analysis Batch: 307323

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	24.1		ug/L		97	74 - 124
Tetrachloroethene	25.0	22.5		ug/L		90	74 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
Trichloroethene	25.0	23.5		ug/L		94	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	97		71 - 126
Dibromofluoromethane (Surr)	96		60 - 140

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

Lab Sample ID: MB 480-306708/1

Matrix: Water

Analysis Batch: 306708

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/15/16 05:28	1

Lab Sample ID: LCS 480-306708/2

Matrix: Water

Analysis Batch: 306708

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	258	254.0		mg/L		98	88 - 110

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-101447-1

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

Lab Sample ID: 480-101447-1 DU
Matrix: Water
Analysis Batch: 306708

Client Sample ID: EFFLUENT 060916
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 480-306699/1
Matrix: Water
Analysis Batch: 306699

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/15/16 02:45	1

Lab Sample ID: LCS 480-306699/2
Matrix: Water
Analysis Batch: 306699

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	491.0		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: 480-101447-1

GC/MS VOA

Analysis Batch: 307323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101447-2	BETWEEN CARBONS 060916	Total/NA	Water	8260C	
480-101447-3	EFFLUENT 060916	Total/NA	Water	8260C	
LCS 480-307323/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-307323/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 306699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101447-1	EFFLUENT 060916	Total/NA	Water	SM2540 C	
LCS 480-306699/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-306699/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 306708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101447-1	EFFLUENT 060916	Total/NA	Water	SM 2540D	
480-101447-1 DU	EFFLUENT 060916	Total/NA	Water	SM 2540D	
LCS 480-306708/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-306708/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-101447-1

Client Sample ID: EFFLUENT 060916

Lab Sample ID: 480-101447-1

Date Collected: 06/09/16 07:30

Matrix: Water

Date Received: 06/10/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	306708	06/15/16 05:28	DCB	TAL BUF
Total/NA	Analysis	SM2540 C		1	306699	06/15/16 02:45	DCB	TAL BUF

Client Sample ID: BETWEEN CARBONS 060916

Lab Sample ID: 480-101447-2

Date Collected: 06/09/16 07:30

Matrix: Water

Date Received: 06/10/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	307323	06/18/16 03:29	RAS	TAL BUF

Client Sample ID: EFFLUENT 060916

Lab Sample ID: 480-101447-3

Date Collected: 06/09/16 07:30

Matrix: Water

Date Received: 06/10/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	307323	06/18/16 03:54	RAS	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-101447-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-101447-1

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

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: 480-101447-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-101447-1	EFFLUENT 060916	Water	06/09/16 07:30	06/10/16 01:15
480-101447-2	BETWEEN CARBONS 060916	Water	06/09/16 07:30	06/10/16 01:15
480-101447-3	EFFLUENT 060916	Water	06/09/16 07:30	06/10/16 01:15

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-101447-1

Login Number: 101447

List Number: 1

Creator: Williams, Christopher S

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.	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: 480-101556-1

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. Al Farrell



Authorized for release by:

6/22/2016 6:37:54 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-101556-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-101556-1

Job ID: 480-101556-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-101556-1

Receipt

The sample was received on 6/14/2016 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

General Chemistry

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

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Detection Summary

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

TestAmerica Job ID: 480-101556-1

Client Sample ID: EFFLUENT 061316

Lab Sample ID: 480-101556-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	666		10.0	4.0	mg/L	1		SM2540 C	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: 480-101556-1

Client Sample ID: EFFLUENT 061316

Lab Sample ID: 480-101556-1

Date Collected: 06/13/16 07:15

Matrix: Water

Date Received: 06/14/16 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	666		10.0	4.0	mg/L	--		06/16/16 00:16	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		06/16/16 03:14	1

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QC Sample Results

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

TestAmerica Job ID: 480-101556-1

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

Lab Sample ID: MB 480-306908/1
Matrix: Water
Analysis Batch: 306908

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/16/16 03:14	1

Lab Sample ID: LCS 480-306908/2
Matrix: Water
Analysis Batch: 306908

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	254	249.6		mg/L		98	88 - 110

Lab Sample ID: 480-101556-1 DU
Matrix: Water
Analysis Batch: 306908

Client Sample ID: EFFLUENT 061316
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 480-306907/1
Matrix: Water
Analysis Batch: 306907

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/16/16 00:16	1

Lab Sample ID: LCS 480-306907/2
Matrix: Water
Analysis Batch: 306907

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	496.0		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: 480-101556-1

General Chemistry

Analysis Batch: 306907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101556-1	EFFLUENT 061316	Total/NA	Water	SM2540 C	
LCS 480-306907/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-306907/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 306908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-101556-1	EFFLUENT 061316	Total/NA	Water	SM 2540D	
480-101556-1 DU	EFFLUENT 061316	Total/NA	Water	SM 2540D	
LCS 480-306908/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-306908/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-101556-1

Client Sample ID: EFFLUENT 061316

Lab Sample ID: 480-101556-1

Date Collected: 06/13/16 07:15

Matrix: Water

Date Received: 06/14/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	306908	06/16/16 03:14	DCB	TAL BUF
Total/NA	Analysis	SM2540 C		1	306907	06/16/16 00:16	DCB	TAL BUF

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 480-101556-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-101556-1

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

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Sample Summary

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

TestAmerica Job ID: 480-101556-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-101556-1	EFFLUENT 061316	Water	06/13/16 07:15	06/14/16 10:00

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-101556-1

Login Number: 101556

List Number: 1

Creator: Williams, Christopher S

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.	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.	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: 480-102199-1

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. Al Farrell



Authorized for release by:

7/11/2016 2:39:16 PM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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

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

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Definitions/Glossary

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

TestAmerica Job ID: 480-102199-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-102199-1

Job ID: 480-102199-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-102199-1**

Receipt

The samples were received on 6/24/2016 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° 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
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- 8
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- 11
- 12
- 13
- 14
- 15

Detection Summary

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

TestAmerica Job ID: 480-102199-1

Client Sample ID: EFFLUENT 062316

Lab Sample ID: 480-102199-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	648		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 062316

Lab Sample ID: 480-102199-2

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

- 1
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- 3
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- 11
- 12
- 13
- 14
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Client Sample Results

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

TestAmerica Job ID: 480-102199-1

Client Sample ID: EFFLUENT 062316

Lab Sample ID: 480-102199-1

Date Collected: 06/23/16 07:15

Matrix: Water

Date Received: 06/24/16 01:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	648		10.0	4.0	mg/L			06/28/16 02:28	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/27/16 18:40	1

Client Sample ID: EFFLUENT 062316

Lab Sample ID: 480-102199-2

Date Collected: 06/23/16 07:15

Matrix: Water

Date Received: 06/24/16 01:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/30/16 14:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/30/16 14:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/30/16 14:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/30/16 14:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/30/16 14:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/30/16 14:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/30/16 14:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/30/16 14:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/30/16 14:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/30/16 14:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/30/16 14:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/30/16 14:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/30/16 14:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/30/16 14:41	1
2-Hexanone	ND		5.0	1.2	ug/L			06/30/16 14:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/30/16 14:41	1
Acetone	ND		10	3.0	ug/L			06/30/16 14:41	1
Benzene	ND		1.0	0.41	ug/L			06/30/16 14:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/30/16 14:41	1
Bromoform	ND		1.0	0.26	ug/L			06/30/16 14:41	1
Bromomethane	ND		1.0	0.69	ug/L			06/30/16 14:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/30/16 14:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/30/16 14:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/30/16 14:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/30/16 14:41	1
Chloroethane	ND		1.0	0.32	ug/L			06/30/16 14:41	1
Chloroform	ND		1.0	0.34	ug/L			06/30/16 14:41	1
Chloromethane	ND		1.0	0.35	ug/L			06/30/16 14:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/30/16 14:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/30/16 14:41	1
Cyclohexane	ND		1.0	0.18	ug/L			06/30/16 14:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/30/16 14:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/30/16 14:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/30/16 14:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/30/16 14:41	1
Methyl acetate	ND		2.5	1.3	ug/L			06/30/16 14:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/30/16 14:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/30/16 14:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/30/16 14:41	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-102199-1

Client Sample ID: EFFLUENT 062316

Lab Sample ID: 480-102199-2

Date Collected: 06/23/16 07:15

Matrix: Water

Date Received: 06/24/16 01:30

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			06/30/16 14:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/30/16 14:41	1
Toluene	ND		1.0	0.51	ug/L			06/30/16 14:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/30/16 14:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/30/16 14:41	1
Trichloroethene	ND		1.0	0.46	ug/L			06/30/16 14:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/30/16 14:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/30/16 14:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/30/16 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		71 - 126		06/30/16 14:41	1
1,2-Dichloroethane-d4 (Surr)	88		66 - 137		06/30/16 14:41	1
4-Bromofluorobenzene (Surr)	103		73 - 120		06/30/16 14:41	1
Dibromofluoromethane (Surr)	94		60 - 140		06/30/16 14:41	1

Surrogate Summary

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

TestAmerica Job ID: 480-102199-1

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	TOL (71-126)	12DCE (66-137)	BFB (73-120)	DBFM (60-140)
480-102199-2	EFFLUENT 062316	87	88	103	94
LCS 480-309309/4	Lab Control Sample	90	85	105	94
MB 480-309309/6	Method Blank	90	90	104	96

Surrogate Legend

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

TestAmerica Job ID: 480-102199-1

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

Lab Sample ID: MB 480-309309/6

Matrix: Water

Analysis Batch: 309309

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/30/16 10:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/30/16 10:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/30/16 10:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/30/16 10:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/30/16 10:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/30/16 10:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/30/16 10:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/30/16 10:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/30/16 10:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/30/16 10:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/30/16 10:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/30/16 10:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/30/16 10:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/30/16 10:35	1
2-Hexanone	ND		5.0	1.2	ug/L			06/30/16 10:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/30/16 10:35	1
Acetone	ND		10	3.0	ug/L			06/30/16 10:35	1
Benzene	ND		1.0	0.41	ug/L			06/30/16 10:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/30/16 10:35	1
Bromoform	ND		1.0	0.26	ug/L			06/30/16 10:35	1
Bromomethane	ND		1.0	0.69	ug/L			06/30/16 10:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/30/16 10:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/30/16 10:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/30/16 10:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/30/16 10:35	1
Chloroethane	ND		1.0	0.32	ug/L			06/30/16 10:35	1
Chloroform	ND		1.0	0.34	ug/L			06/30/16 10:35	1
Chloromethane	ND		1.0	0.35	ug/L			06/30/16 10:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/30/16 10:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/30/16 10:35	1
Cyclohexane	ND		1.0	0.18	ug/L			06/30/16 10:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/30/16 10:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/30/16 10:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/30/16 10:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/30/16 10:35	1
Methyl acetate	ND		2.5	1.3	ug/L			06/30/16 10:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/30/16 10:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/30/16 10:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/30/16 10:35	1
Styrene	ND		1.0	0.73	ug/L			06/30/16 10:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/30/16 10:35	1
Toluene	ND		1.0	0.51	ug/L			06/30/16 10:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/30/16 10:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/30/16 10:35	1
Trichloroethene	ND		1.0	0.46	ug/L			06/30/16 10:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/30/16 10:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/30/16 10:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/30/16 10:35	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-102199-1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	90		71 - 126		06/30/16 10:35	1
1,2-Dichloroethane-d4 (Surr)	90		66 - 137		06/30/16 10:35	1
4-Bromofluorobenzene (Surr)	104		73 - 120		06/30/16 10:35	1
Dibromofluoromethane (Surr)	96		60 - 140		06/30/16 10:35	1

Lab Sample ID: LCS 480-309309/4
Matrix: Water
Analysis Batch: 309309

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.1		ug/L		89	70 - 126
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.9		ug/L		104	52 - 148
1,1-Dichloroethane	25.0	25.0		ug/L		100	71 - 129
1,1-Dichloroethene	25.0	24.5		ug/L		98	58 - 121
1,2,4-Trichlorobenzene	25.0	28.0		ug/L		112	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.6		ug/L		87	56 - 134
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 127
1,2-Dichloropropane	25.0	25.8		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	75 - 120
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
2-Hexanone	125	110		ug/L		88	65 - 127
4-Methyl-2-pentanone (MIBK)	125	109		ug/L		87	71 - 125
Acetone	125	138		ug/L		111	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	23.5		ug/L		94	80 - 122
Bromoform	25.0	21.0		ug/L		84	52 - 132
Bromomethane	25.0	21.9		ug/L		88	55 - 144
Carbon disulfide	25.0	22.6		ug/L		91	59 - 134
Carbon tetrachloride	25.0	26.5		ug/L		106	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	72 - 120
Dibromochloromethane	25.0	23.1		ug/L		92	75 - 125
Chloroethane	25.0	23.2		ug/L		93	69 - 136
Chloroform	25.0	24.6		ug/L		98	73 - 127
Chloromethane	25.0	23.5		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	74 - 124
Cyclohexane	25.0	26.8		ug/L		107	59 - 135
Dichlorodifluoromethane	25.0	22.6		ug/L		90	59 - 135
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120
Isopropylbenzene	25.0	25.2		ug/L		101	77 - 122
Methyl acetate	125	103		ug/L		83	74 - 133
Methyl tert-butyl ether	25.0	21.9		ug/L		88	64 - 127
Methylcyclohexane	25.0	27.9		ug/L		112	61 - 138
Methylene Chloride	25.0	24.3		ug/L		97	57 - 132
Styrene	25.0	24.2		ug/L		97	70 - 130
Tetrachloroethene	25.0	27.9		ug/L		111	74 - 122
Toluene	25.0	25.4		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	24.6		ug/L		99	73 - 127

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-102199-1

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

Lab Sample ID: LCS 480-309309/4
Matrix: Water
Analysis Batch: 309309

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	23.1		ug/L		92	72 - 123
Trichloroethene	25.0	25.8		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	28.2		ug/L		113	62 - 152
Vinyl chloride	25.0	23.8		ug/L		95	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	90		71 - 126
1,2-Dichloroethane-d4 (Surr)	85		66 - 137
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	94		60 - 140

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

Lab Sample ID: MB 480-308782/1
Matrix: Water
Analysis Batch: 308782

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/27/16 18:40	1

Lab Sample ID: LCS 480-308782/2
Matrix: Water
Analysis Batch: 308782

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	251	254.0		mg/L		101	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-308804/1
Matrix: Water
Analysis Batch: 308804

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/28/16 02:28	1

Lab Sample ID: LCS 480-308804/2
Matrix: Water
Analysis Batch: 308804

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	479.0		mg/L		96	85 - 115

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-102199-1

GC/MS VOA

Analysis Batch: 309309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102199-2	EFFLUENT 062316	Total/NA	Water	8260C	
LCS 480-309309/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-309309/6	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 308782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102199-1	EFFLUENT 062316	Total/NA	Water	SM 2540D	
LCS 480-308782/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-308782/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 308804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102199-1	EFFLUENT 062316	Total/NA	Water	SM2540 C	
LCS 480-308804/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-308804/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-102199-1

Client Sample ID: EFFLUENT 062316

Lab Sample ID: 480-102199-1

Date Collected: 06/23/16 07:15

Matrix: Water

Date Received: 06/24/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	308782	06/27/16 18:40	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	308804	06/28/16 02:28	DCB	TAL BUF

Client Sample ID: EFFLUENT 062316

Lab Sample ID: 480-102199-2

Date Collected: 06/23/16 07:15

Matrix: Water

Date Received: 06/24/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	309309	06/30/16 14:41	SWO	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-102199-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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Method Summary

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

TestAmerica Job ID: 480-102199-1

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

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: 480-102199-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-102199-1	EFFLUENT 062316	Water	06/23/16 07:15	06/24/16 01:30
480-102199-2	EFFLUENT 062316	Water	06/23/16 07:15	06/24/16 01:30

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Chain of Custody Record

Client Information Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100 (Tel) 315-463-7554 (Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PIV: Johnson, Orlette S E-Mail: orlette.johnson@testamericainc.com Carrier Tracking No(s): 480-78348-10587.1 Page: Page 1 of 1 Job #:	
Date Date Requested: TAT Requested (days): PO #: 11600011 WO #:		Analysis Requested 2640D - Total Suspended Solids 2540C - Calc'd - Total Dissolved Solids 8260C - Volatile Organic Compounds Perform MSD (Yes or No) Field Filtered Sample (Yes or No)	
Matrix (W=water, S=solid, O=wasteball, BT=Tissue, A=Air)		Preservation Codes: M - Hexane A - HCL B - NaOH N - None 102 4S OS 203 4 decacrylate ie (specify)	
Sample Identification Effluent 062316 Effluent 062316		Special Instructions/Note: Total Number of containers	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix
6-23-16	7:15	C	Water
6-23-16	7:15	B	water
AP 6-23-16			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological			
Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by:			
Relinquished by: <i>Martin Kowalsky</i>		Date/Time: 6-23-16 / 12:35	
Relinquished by: <i>Martin Kowalsky</i>		Date/Time: 6-23-16 / 1900	
Relinquished by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	
Relinquished by: <i>Martin Kowalsky</i>		Date/Time: 6-23-16 / 12:35	
Relinquished by: <i>Martin Kowalsky</i>		Date/Time: 6-23-16 / 1900	
Relinquished by:		Date/Time:	
Cooler Temperature(s) °C and Other Remarks: 7.0		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:			
Received by: <i>Martin Kowalsky</i>		Date/Time: 6-23-16 / 12:35	
Received by: <i>Martin Kowalsky</i>		Date/Time: 6-23-16 / 1900	
Received by:		Date/Time:	
Company: <i>OBG</i>		Company: <i>SVP</i>	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-102199-1

Login Number: 102199

List Number: 1

Creator: Janish, Carl M

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: 480-102363-1

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. Al Farrell



Authorized for release by:

7/13/2016 7:52:07 AM

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

LINKS

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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.

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Definitions/Glossary

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

TestAmerica Job ID: 480-102363-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 480-102363-1

Job ID: 480-102363-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-102363-1

Receipt

The sample was received on 6/29/2016 2:15 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.

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Detection Summary

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

TestAmerica Job ID: 480-102363-1

Client Sample ID: EFFLUENT 062816

Lab Sample ID: 480-102363-1

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

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

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Client Sample Results

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

TestAmerica Job ID: 480-102363-1

Client Sample ID: EFFLUENT 062816

Lab Sample ID: 480-102363-1

Date Collected: 06/28/16 07:15

Matrix: Water

Date Received: 06/29/16 02:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	636		10.0	4.0	mg/L			06/30/16 10:08	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			06/30/16 14:58	1

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QC Sample Results

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

TestAmerica Job ID: 480-102363-1

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

Lab Sample ID: MB 480-309406/1
Matrix: Water
Analysis Batch: 309406

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			06/30/16 14:58	1

Lab Sample ID: LCS 480-309406/2
Matrix: Water
Analysis Batch: 309406

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	262	261.6		mg/L		100	88 - 110

Lab Sample ID: 480-102363-1 DU
Matrix: Water
Analysis Batch: 309406

Client Sample ID: EFFLUENT 062816
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 480-309343/1
Matrix: Water
Analysis Batch: 309343

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			06/30/16 10:08	1

Lab Sample ID: LCS 480-309343/2
Matrix: Water
Analysis Batch: 309343

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	506	489.0		mg/L		97	85 - 115

Lab Sample ID: 480-102363-1 DU
Matrix: Water
Analysis Batch: 309343

Client Sample ID: EFFLUENT 062816
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	636		634.0		mg/L		0.3	10

QC Association Summary

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

TestAmerica Job ID: 480-102363-1

General Chemistry

Analysis Batch: 309343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102363-1	EFFLUENT 062816	Total/NA	Water	SM2540 C	
480-102363-1 DU	EFFLUENT 062816	Total/NA	Water	SM2540 C	
LCS 480-309343/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-309343/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 309406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102363-1	EFFLUENT 062816	Total/NA	Water	SM 2540D	
480-102363-1 DU	EFFLUENT 062816	Total/NA	Water	SM 2540D	
LCS 480-309406/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-309406/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-102363-1

Client Sample ID: EFFLUENT 062816

Lab Sample ID: 480-102363-1

Date Collected: 06/28/16 07:15

Matrix: Water

Date Received: 06/29/16 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	309406	06/30/16 14:58	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	309343	06/30/16 10:08	EKB	TAL BUF

Laboratory References:

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

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Certification Summary

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

TestAmerica Job ID: 480-102363-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

- 1
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Method Summary

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

TestAmerica Job ID: 480-102363-1

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: 480-102363-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-102363-1	EFFLUENT 062816	Water	06/28/16 07:15	06/29/16 02:15

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

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

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

Sampler: Martin Koennike
 Lab PM#: Johnson, Oriette S
 E-Mail: oriette.johnson@testamericainc.com
 Phone: 315-709-1300

Analysis Required
 Due Date Requested:
 TAT Requested (days):
 PO #: 11600011
 WO #:
 Project #: 48008584
 SSOV#:

Sample Identification
 Sample Date: 6-28-16
 Sample Time: 7:15
 Sample Type (C=comp, G=grab): C
 Matrix (W=water, S=solid, O=organic, BR=tissue, A=air): Water
 Field Filtered Sample (Yes or No):
 2540D - Total Suspended Solids
 2540C - Calcd - Total Dissolved Solids

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)

480-102363 Chain of Custody

Sample ID	Sample Date	Sample Time	Sample Type	Matrix	Field Filtered Sample (Yes or No)	2540D - Total Suspended Solids	2540C - Calcd - Total Dissolved Solids
062816	6-28-16	7:15	C	Water			

Special Instructions/Note:
 Total Number of Containers: 1

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

Empty Kit Relinquished by:
 Relinquished by: Martin Koennike
 Date/Time: 6-28-16 / 9:55
 Company: OBG

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:

Method of Shipment:
 Received by: [Signature]
 Date/Time: 6-28-16
 Company: OBG

Relinquished by: [Signature]
 Date/Time: 6-28-16 02:15
 Company: [Signature]

Relinquished by: [Signature]
 Date/Time: [Signature]
 Company: [Signature]

Custody Seals Intact: Yes No
 Custody Seal No.: 18

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-102363-1

Login Number: 102363

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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