



January 24, 2017

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 fourth quarter of 2016 (October 1 through December 31). This information is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

OPERATION STATUS & ACTIVITIES COMPLETED

As of December 30, 2016, a total of 111,130,900 gallons of groundwater have been treated since startup on February 5, 1996. Since September 30, 2016, 611,800 gallons of groundwater have been treated: 164,990 gallons from recovery well RW-1; 446,100 gallons from recovery well RW-2; and 710 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 October, November and December 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

I:\Obg-Lim.3902\45845.Itt-Acc-Die-O-A\Corres\4th qtr 2016 Rpt.doc



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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



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

[illegible]

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Fayetteville, New York
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[illegible]

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[illegible]

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

[illegible]

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: 480-106913-1

Client Project/Site: Former Accurate Die Cast

For:

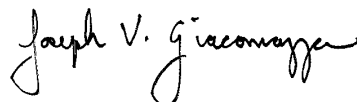
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

10/10/2016 3:04:38 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

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LINKS

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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: 480-106913-1

Qualifiers

Metals

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: 480-106913-1

Job ID: 480-106913-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-106913-1

Receipt

The samples were received on 10/4/2016 12:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT 100316 (480-106913-5). 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: 480-106913-1

Client Sample ID: EFFLUENT 100316

Lab Sample ID: 480-106913-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0021	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	721		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 100316

Lab Sample ID: 480-106913-2

No Detections.

Client Sample ID: INFLUENT 100316

Lab Sample ID: 480-106913-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0062	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: EFFLUENT 100316

Lab Sample ID: 480-106913-4

No Detections.

Client Sample ID: INFLUENT 100316

Lab Sample ID: 480-106913-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	310		8.0	3.7	ug/L	8		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: 480-106913-1

Client Sample ID: EFFLUENT 100316

Lab Sample ID: 480-106913-1

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0021	J	0.010	0.0015	mg/L		10/04/16 08:55	10/05/16 16:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/04/16 09:05	10/04/16 14:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	721		10.0	4.0	mg/L			10/04/16 16:48	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/04/16 12:34	1

Client Sample ID: BETWEEN CARBONS 100316

Lab Sample ID: 480-106913-2

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

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			10/04/16 12:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/04/16 12:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/16 12:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/16 12:35	1
Toluene	ND		1.0	0.51	ug/L			10/04/16 12:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/16 12:35	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/16 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		10/04/16 12:35	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/04/16 12:35	1
Toluene-d8 (Surr)	87		80 - 120		10/04/16 12:35	1
Dibromofluoromethane (Surr)	93		75 - 123		10/04/16 12:35	1

Client Sample ID: INFLUENT 100316

Lab Sample ID: 480-106913-3

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0062	J	0.010	0.0015	mg/L		10/04/16 08:55	10/05/16 16:43	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/04/16 09:05	10/04/16 14:27	1

Client Sample ID: EFFLUENT 100316

Lab Sample ID: 480-106913-4

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

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			10/04/16 13:02	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-106913-1

Client Sample ID: EFFLUENT 100316

Lab Sample ID: 480-106913-4

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

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			10/04/16 13:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/16 13:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/16 13:02	1
Toluene	ND		1.0	0.51	ug/L			10/04/16 13:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/16 13:02	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/16 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		10/04/16 13:02	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/04/16 13:02	1
Toluene-d8 (Surr)	86		80 - 120		10/04/16 13:02	1
Dibromofluoromethane (Surr)	95		75 - 123		10/04/16 13:02	1

Client Sample ID: INFLUENT 100316

Lab Sample ID: 480-106913-5

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

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			10/04/16 13:40	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			10/04/16 13:40	8
Methylene Chloride	ND		8.0	3.5	ug/L			10/04/16 13:40	8
Tetrachloroethene	ND		8.0	2.9	ug/L			10/04/16 13:40	8
Toluene	ND		8.0	4.1	ug/L			10/04/16 13:40	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			10/04/16 13:40	8
Trichloroethene	310		8.0	3.7	ug/L			10/04/16 13:40	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		10/04/16 13:40	8
4-Bromofluorobenzene (Surr)	104		73 - 120		10/04/16 13:40	8
Toluene-d8 (Surr)	87		80 - 120		10/04/16 13:40	8
Dibromofluoromethane (Surr)	95		75 - 123		10/04/16 13:40	8

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-106913-1

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)			
		12DCE (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-106913-2	BETWEEN CARBONS 100316	88	102	87	93
480-106913-4	EFFLUENT 100316	89	102	86	95
480-106913-5	INFLUENT 100316	88	104	87	95
LCS 480-323654/5	Lab Control Sample	90	107	88	94
MB 480-323654/7	Method Blank	88	103	86	93

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: 480-106913-1

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

Lab Sample ID: MB 480-323654/7

Matrix: Water

Analysis Batch: 323654

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			10/04/16 11:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/04/16 11:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/04/16 11:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/04/16 11:49	1
Toluene	ND		1.0	0.51	ug/L			10/04/16 11:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/04/16 11:49	1
Trichloroethene	ND		1.0	0.46	ug/L			10/04/16 11:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		10/04/16 11:49	1
4-Bromofluorobenzene (Surr)	103		73 - 120		10/04/16 11:49	1
Toluene-d8 (Surr)	86		80 - 120		10/04/16 11:49	1
Dibromofluoromethane (Surr)	93		75 - 123		10/04/16 11:49	1

Lab Sample ID: LCS 480-323654/5

Matrix: Water

Analysis Batch: 323654

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	21.4		ug/L		86	76 - 120
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
Methylene Chloride	25.0	24.6		ug/L		98	75 - 124
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	22.6		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
Trichloroethene	25.0	23.9		ug/L		95	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	88		80 - 120
Dibromofluoromethane (Surr)	94		75 - 123

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-323660/1-A

Matrix: Water

Analysis Batch: 324737

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 323660

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		10/04/16 08:55	10/05/16 14:38	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106913-1

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

Lab Sample ID: LCS 480-323660/2-A

Matrix: Water

Analysis Batch: 324344

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 323660

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.207		mg/L		104	80 - 120

Lab Sample ID: LCSD 480-323660/3-A

Matrix: Water

Analysis Batch: 324344

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 323660

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	0.200	0.207		mg/L		104	80 - 120	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-323671/1-A

Matrix: Water

Analysis Batch: 323824

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 323671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/04/16 09:05	10/04/16 14:22	1

Lab Sample ID: LCS 480-323671/2-A

Matrix: Water

Analysis Batch: 323824

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 323671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00748		mg/L		112	80 - 120

Lab Sample ID: LCSD 480-323671/22-A

Matrix: Water

Analysis Batch: 323824

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 323671

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00667	0.00720		mg/L		108	80 - 120	4	20

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

Lab Sample ID: MB 480-323740/1

Matrix: Water

Analysis Batch: 323740

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			10/04/16 12:34	1

Lab Sample ID: LCS 480-323740/2

Matrix: Water

Analysis Batch: 323740

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	211	212.0		mg/L		101	88 - 110

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-106913-1

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

Lab Sample ID: 480-106913-1 DU

Matrix: Water

Analysis Batch: 323740

Client Sample ID: EFFLUENT 100316

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 480-323788/1

Matrix: Water

Analysis Batch: 323788

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			10/04/16 16:48	1

Lab Sample ID: LCS 480-323788/2

Matrix: Water

Analysis Batch: 323788

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	508.0		mg/L		100	85 - 115

Lab Sample ID: 480-106913-1 DU

Matrix: Water

Analysis Batch: 323788

Client Sample ID: EFFLUENT 100316

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	721		754.0		mg/L		4	10

QC Association Summary

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

TestAmerica Job ID: 480-106913-1

GC/MS VOA

Analysis Batch: 323654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106913-2	BETWEEN CARBONS 100316	Total/NA	Water	8260C	
480-106913-4	EFFLUENT 100316	Total/NA	Water	8260C	
480-106913-5	INFLUENT 100316	Total/NA	Water	8260C	
MB 480-323654/7	Method Blank	Total/NA	Water	8260C	
LCS 480-323654/5	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 323660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106913-1	EFFLUENT 100316	Total/NA	Water	3005A	
480-106913-3	INFLUENT 100316	Total/NA	Water	3005A	
MB 480-323660/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-323660/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-323660/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Prep Batch: 323671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106913-1	EFFLUENT 100316	Total/NA	Water	7470A	
480-106913-3	INFLUENT 100316	Total/NA	Water	7470A	
MB 480-323671/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-323671/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 480-323671/22-A	Lab Control Sample Dup	Total/NA	Water	7470A	

Analysis Batch: 323824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106913-1	EFFLUENT 100316	Total/NA	Water	7470A	323671
480-106913-3	INFLUENT 100316	Total/NA	Water	7470A	323671
MB 480-323671/1-A	Method Blank	Total/NA	Water	7470A	323671
LCS 480-323671/2-A	Lab Control Sample	Total/NA	Water	7470A	323671
LCSD 480-323671/22-A	Lab Control Sample Dup	Total/NA	Water	7470A	323671

Analysis Batch: 324344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-323660/2-A	Lab Control Sample	Total/NA	Water	6010C	323660
LCSD 480-323660/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	323660

Analysis Batch: 324737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106913-1	EFFLUENT 100316	Total/NA	Water	6010C	323660
480-106913-3	INFLUENT 100316	Total/NA	Water	6010C	323660
MB 480-323660/1-A	Method Blank	Total/NA	Water	6010C	323660

General Chemistry

Analysis Batch: 323740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106913-1	EFFLUENT 100316	Total/NA	Water	SM 2540D	
MB 480-323740/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-323740/2	Lab Control Sample	Total/NA	Water	SM 2540D	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-106913-1

General Chemistry (Continued)

Analysis Batch: 323740 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106913-1 DU	EFFLUENT 100316	Total/NA	Water	SM 2540D	

Analysis Batch: 323788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106913-1	EFFLUENT 100316	Total/NA	Water	SM2540 C	
MB 480-323788/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-323788/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-106913-1 DU	EFFLUENT 100316	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-106913-1

Client Sample ID: EFFLUENT 100316

Lab Sample ID: 480-106913-1

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			323660	10/04/16 08:55	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	324737	10/05/16 16:40	TRB	TAL BUF
Total/NA	Prep	7470A			323671	10/04/16 09:05	RMZ	TAL BUF
Total/NA	Analysis	7470A		1	323824	10/04/16 14:25	RMZ	TAL BUF
Total/NA	Analysis	SM 2540D		1	323740	10/04/16 12:34	KMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	323788	10/04/16 16:48	CDC	TAL BUF

Client Sample ID: BETWEEN CARBONS 100316

Lab Sample ID: 480-106913-2

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323654	10/04/16 12:35	SMY	TAL BUF

Client Sample ID: INFLUENT 100316

Lab Sample ID: 480-106913-3

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			323660	10/04/16 08:55	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	324737	10/05/16 16:43	TRB	TAL BUF
Total/NA	Prep	7470A			323671	10/04/16 09:05	RMZ	TAL BUF
Total/NA	Analysis	7470A		1	323824	10/04/16 14:27	RMZ	TAL BUF

Client Sample ID: EFFLUENT 100316

Lab Sample ID: 480-106913-4

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	323654	10/04/16 13:02	SMY	TAL BUF

Client Sample ID: INFLUENT 100316

Lab Sample ID: 480-106913-5

Date Collected: 10/03/16 07:30

Matrix: Water

Date Received: 10/04/16 00:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	323654	10/04/16 13:40	SMY	TAL BUF

Laboratory References:

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

TestAmerica Buffalo

Certification Summary

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

TestAmerica Job ID: 480-106913-1

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

Method Summary

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

TestAmerica Job ID: 480-106913-1

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: 480-106913-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-106913-1	EFFLUENT 100316	Water	10/03/16 07:30	10/04/16 00:50
480-106913-2	BETWEEN CARBONS 100316	Water	10/03/16 07:30	10/04/16 00:50
480-106913-3	INFLUENT 100316	Water	10/03/16 07:30	10/04/16 00:50
480-106913-4	EFFLUENT 100316	Water	10/03/16 07:30	10/04/16 00:50
480-106913-5	INFLUENT 100316	Water	10/03/16 07:30	10/04/16 00:50

Chain of Custody Record

Client Information		Sampler: <u>Martin Koehnke</u>		Lab PM: <u>Johnson, Orlette S</u>		OCC No: <u>480-78316-10589.1</u>	
Client Contact: <u>Mr. Yuri Veliz</u>		Phone: <u>315-724-1300</u>		E-Mail: <u>orlette.johnson@testamericainc.com</u>		Page: <u>Page 1 of 1</u>	
Company: <u>O'Brien & Gere Inc of North America</u>		Due Date Requested: <u>TAT Requested (days):</u>		Analysis Requested: <u>480-106313 COC</u>		Job #: <u></u>	
Address: <u>333 West Washington St. PO BOX 4873</u>		City: <u>East Syracuse</u>		State: <u>NY</u>		Zip: <u>13221</u>	
Phone: <u>315-956-6100(Tel) 315-463-7554(Fax)</u>		PO #: <u>11600011</u>		WO #: <u></u>		Project #: <u>48008584</u>	
Email: <u>Yuri.Veliz@obg.com</u>		Former Accurate Die Cast		Site: <u></u>		SSOW#: <u></u>	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Effluent 100316		10-3-16		7:30		C Water	
Between Carbons 100316		10-3-16		7:30		G Water	
Influent 100316		10-3-16		7:30		C Water	
Effluent 100316		10-3-16		7:30		G water	
Influent 100316		10-3-16		7:30		G water	
<u>RE</u>		<u>10-3-16</u>		<u>7:30</u>		<u>RE</u>	
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant	
Deliverable Requested: I, II, III, IV, Other (specify)		<input type="checkbox"/> Polio B		<input type="checkbox"/> Unknown		<input type="checkbox"/> Radiological	
Empty Kit Relinquished by: <u>Martin Koehnke</u>		Date/Time: <u>10-3-16 / 9:40</u>		Company: <u>OBG</u>		Received by: <u>[Signature]</u>	
Relinquished by: <u>REINQUIN</u>		Date/Time: <u>10-3-16 / 19:00</u>		Company: <u>Sya</u>		Received by: <u>[Signature]</u>	
Relinquished by: <u></u>		Date/Time: <u></u>		Company: <u></u>		Received by: <u></u>	
Custody Seals Intact: <u>Δ Yes Δ No</u>		Custody Seal No.: <u>6.6</u>		Cooler Temperature(s) °C and Other Remarks: <u>#1</u>			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-106913-1

Login Number: 106913

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: 480-107456-1

Client Project/Site: Former Accurate Die Cast

For:

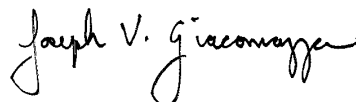
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

10/19/2016 3:37:21 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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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: 480-107456-1

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: 480-107456-1

Job ID: 480-107456-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-107456-1

Receipt

The sample was received on 10/12/2016 12:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

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: 480-107456-1

Client Sample ID: EFFLUENT 101116

Lab Sample ID: 480-107456-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	707		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: 480-107456-1

Client Sample ID: EFFLUENT 101116

Lab Sample ID: 480-107456-1

Date Collected: 10/11/16 07:15

Matrix: Water

Date Received: 10/12/16 00:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	707		10.0	4.0	mg/L	—		10/13/16 10:32	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		10/17/16 07:22	1

QC Sample Results

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

TestAmerica Job ID: 480-107456-1

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

Lab Sample ID: MB 480-325936/1

Matrix: Water

Analysis Batch: 325936

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			10/17/16 07:22	1

Lab Sample ID: LCS 480-325936/2

Matrix: Water

Analysis Batch: 325936

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	255.6		mg/L		101	88 - 110

Lab Sample ID: 480-107456-1 DU

Matrix: Water

Analysis Batch: 325936

Client Sample ID: EFFLUENT 101116

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 480-325398/1

Matrix: Water

Analysis Batch: 325398

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			10/13/16 10:32	1

Lab Sample ID: LCS 480-325398/2

Matrix: Water

Analysis Batch: 325398

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	524	511.0		mg/L		98	85 - 115

Lab Sample ID: 480-107456-1 DU

Matrix: Water

Analysis Batch: 325398

Client Sample ID: EFFLUENT 101116

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	707		713.0		mg/L		0.8	10

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-107456-1

General Chemistry

Analysis Batch: 325398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107456-1	EFFLUENT 101116	Total/NA	Water	SM2540 C	
MB 480-325398/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-325398/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-107456-1 DU	EFFLUENT 101116	Total/NA	Water	SM2540 C	

Analysis Batch: 325936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107456-1	EFFLUENT 101116	Total/NA	Water	SM 2540D	
MB 480-325936/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-325936/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-107456-1 DU	EFFLUENT 101116	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-107456-1

Client Sample ID: EFFLUENT 101116

Lab Sample ID: 480-107456-1

Date Collected: 10/11/16 07:15

Matrix: Water

Date Received: 10/12/16 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	325936	10/17/16 07:22	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	325398	10/13/16 10:32	ELR	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: 480-107456-1

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

Method Summary

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

TestAmerica Job ID: 480-107456-1

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: 480-107456-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-107456-1	EFFLUENT 101116	Water	10/11/16 07:15	10/12/16 00:45

1

2

3

4

5

6

7

8

9

10

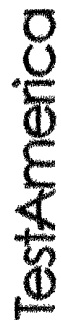
11

12

13

14

Chain of Custody Record



2011年12月31日

Client Information Client Contact Mr. Yuri Veliz		Sampler: <i>Martin Koenig</i> Lab Pkt: Johnson, Orlette S E-Mail: orlette.johnson@testamericainc.com Phone: <i>315-429-1300</i>	Carrier
---	--	--	---------

Company: O'Brien & Gere Inc of North America		Due Date Requested:	
Address: 3333 West Washington St. PO BOX 4873		TAT Requested (days):	
City: East Syracuse	State Zip: NY, 13221	PO #: 11600011	WO #:
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		Email: Yuri.Veltz@obg.com	
Project Name: Former Accurate Die Cast		Project #: 48008584	
Site: SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Field Filtered Sal Perform MS/MSB	2640D - Total Susp	2640C - Calcd - Total
Effluent 10/11/16	10-11-16	7:15	C	Water		1	1
<div>RE</div> <div>10-11-16</div>							

Possible Hazard Identification						Sample Disposal (A fee may be assessed) Return To Client <input type="checkbox"/> Disposed <input type="checkbox"/>	
<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/QC Requirements:	
Deliverable Requested: I, II, III, IV, Other (specify)							
Empty Kit Relinquished by: <i>Mpho Komane</i>				Date: <i>/</i>	Time: _____		
Relinquished by:				Date/Time: <i>10-11-16 / 10:00</i>	Company: <i>OBC</i>		
Relinquished by:				Date/Time: <i>10-11-16, 19:00</i>	Company: <i>Syn</i>		
Relinquished by:				Date/Time: _____	Company: _____		
Custody Seal No.: _____				Cooler Temperature(s) °C and Other Remarks: _____			

COC No:	480-78336-10586.1
Page:	Page 1 of 1
Job #:	

[illegible]

lined longer than 1 month)	Months
chive For	
11-15	Company (S.A. CO)
16 0545	Company (S.A. CO)
20	Company

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-107456-1

Login Number: 107456

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: 480-107828-1

Client Project/Site: Former Accurate Die Cast

For:

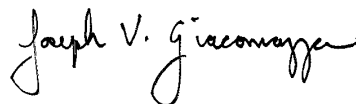
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

10/24/2016 2:09:10 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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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: 480-107828-1

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: 480-107828-1

Job ID: 480-107828-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-107828-1

Receipt

The samples were received on 10/18/2016 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° 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.

Detection Summary

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

TestAmerica Job ID: 480-107828-1

Client Sample ID: EFFLUENT 101716

Lab Sample ID: 480-107828-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	712		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 101716

Lab Sample ID: 480-107828-2

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: 480-107828-1

Client Sample ID: EFFLUENT 101716

Lab Sample ID: 480-107828-1

Date Collected: 10/17/16 07:15

Matrix: Water

Date Received: 10/18/16 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	712		10.0	4.0	mg/L			10/19/16 09:13	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/19/16 10:36	1

Client Sample ID: EFFLUENT 101716

Lab Sample ID: 480-107828-2

Date Collected: 10/17/16 07:15

Matrix: Water

Date Received: 10/18/16 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/16 05:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/16 05:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/16 05:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/16 05:08	1
Toluene	ND		1.0	0.51	ug/L			10/20/16 05:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/16 05:08	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/16 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					10/20/16 05:08	1
4-Bromofluorobenzene (Surr)	95		73 - 120					10/20/16 05:08	1
Toluene-d8 (Surr)	94		80 - 120					10/20/16 05:08	1
Dibromofluoromethane (Surr)	108		75 - 123					10/20/16 05:08	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-107828-1

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)			
		12DCE (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-107828-2	EFFLUENT 101716	107	95	94	108
LCS 480-326590/4	Lab Control Sample	97	101	95	101
MB 480-326590/6	Method Blank	99	99	93	102

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: 480-107828-1

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

Lab Sample ID: MB 480-326590/6

Matrix: Water

Analysis Batch: 326590

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			10/19/16 22:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/16 22:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/16 22:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/16 22:59	1
Toluene	ND		1.0	0.51	ug/L			10/19/16 22:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/16 22:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/16 22:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		10/19/16 22:59	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/19/16 22:59	1
Toluene-d8 (Surr)	93		80 - 120		10/19/16 22:59	1
Dibromofluoromethane (Surr)	102		75 - 123		10/19/16 22:59	1

Lab Sample ID: LCS 480-326590/4

Matrix: Water

Analysis Batch: 326590

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	21.3		ug/L		85	76 - 120
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
Methylene Chloride	25.0	27.8		ug/L		111	75 - 124
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122
Toluene	25.0	22.9		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
Trichloroethene	25.0	23.3		ug/L		93	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	101		75 - 123

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

Lab Sample ID: MB 480-326436/1

Matrix: Water

Analysis Batch: 326436

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			10/19/16 10:36	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-107828-1

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

Lab Sample ID: LCS 480-326436/2

Matrix: Water

Analysis Batch: 326436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	241	240.8		mg/L		100	88 - 110

Lab Sample ID: 480-107828-1 DU

Matrix: Water

Analysis Batch: 326436

Client Sample ID: EFFLUENT 101716

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 480-326421/1

Matrix: Water

Analysis Batch: 326421

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			10/19/16 09:13	1

Lab Sample ID: LCS 480-326421/2

Matrix: Water

Analysis Batch: 326421

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	494.0		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: 480-107828-1

GC/MS VOA

Analysis Batch: 326590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107828-2	EFFLUENT 101716	Total/NA	Water	8260C	
MB 480-326590/6	Method Blank	Total/NA	Water	8260C	
LCS 480-326590/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 326421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107828-1	EFFLUENT 101716	Total/NA	Water	SM2540 C	
MB 480-326421/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-326421/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 326436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-107828-1	EFFLUENT 101716	Total/NA	Water	SM 2540D	
MB 480-326436/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-326436/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-107828-1 DU	EFFLUENT 101716	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-107828-1

Client Sample ID: EFFLUENT 101716

Lab Sample ID: 480-107828-1

Date Collected: 10/17/16 07:15

Matrix: Water

Date Received: 10/18/16 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	326436	10/19/16 10:36	KMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	326421	10/19/16 09:13	EKB	TAL BUF

Client Sample ID: EFFLUENT 101716

Lab Sample ID: 480-107828-2

Date Collected: 10/17/16 07:15

Matrix: Water

Date Received: 10/18/16 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	326590	10/20/16 05:08	RJF	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: 480-107828-1

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

Method Summary

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

TestAmerica Job ID: 480-107828-1

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: 480-107828-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-107828-1	EFFLUENT 101716	Water	10/17/16 07:15	10/18/16 01:00
480-107828-2	EFFLUENT 101716	Water	10/17/16 07:15	10/18/16 01:00

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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: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Sample: <i>MAAR-Koenigs</i> Lab Pmt: Johnson, Oriette S Phone: 315-729-1300 E-Mail: oriette.johnson@testamericainc.com Can:		COC No: 480-78352-10587.1 Page: Page 1 of 1 Job #: 480-107828 COC				
Due Date Requested: TAT Requested (days): PO #: 11600011 WO #: 48008584 Project #: 48008584 SSOW#:		Analysis Requested 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 - Ash/O2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)						
Sample Identification Effluent 10/17/16 Effluent 10/17/16		Sample Date 10-17-16 10-17-16	Sample Time 7:15 7:15	Sample Type C water	Matrix (W=water, S=solid, O=soil, BT=Tissue, A=Air) Water water	Field Filtered Sample (Yes or No) 2540D - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids 8260C - Volatile Organic Compounds	Total Number of Containers 2 3	Special Instructions/Note: 10-17-16 10-17-16
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		<input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months				
Empty Kit Relinquished by: Relinquished by: <i>Yuri Veliz</i> Relinquished by: <i>R. Veliz</i> Relinquished by:		Date: 10-17-16 / 9:45 10-17-16, 19:00		Method of Shipment: Date/Time: 10-17-16 9:45 Date/Time: 10-18-16 0100 Date/Time:				
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1.3 #1				

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-107828-1

Login Number: 107828

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: 480-108298-1

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:

10/31/2016 7:29:49 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: 480-108298-1

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)

Detection Summary

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

TestAmerica Job ID: 480-108298-1

Client Sample ID: EFFLUENT 102416

Lab Sample ID: 480-108298-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	725		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: 480-108298-1

Client Sample ID: EFFLUENT 102416

Lab Sample ID: 480-108298-1

Date Collected: 10/24/16 07:15

Matrix: Water

Date Received: 10/25/16 02:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	725		10.0	4.0	mg/L	--		10/27/16 09:03	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	--		10/26/16 08:46	1

QC Sample Results

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

TestAmerica Job ID: 480-108298-1

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

Lab Sample ID: MB 480-327671/1

Matrix: Water

Analysis Batch: 327671

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	-		10/26/16 08:46	1

Lab Sample ID: LCS 480-327671/2

Matrix: Water

Analysis Batch: 327671

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	249	250.4		mg/L	-	101	88 - 110

Lab Sample ID: 480-108298-1 DU

Matrix: Water

Analysis Batch: 327671

Client Sample ID: EFFLUENT 102416

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 480-328028/1

Matrix: Water

Analysis Batch: 328028

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	-		10/27/16 09:03	1

Lab Sample ID: LCS 480-328028/2

Matrix: Water

Analysis Batch: 328028

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	498.0		mg/L	-	99	85 - 115

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-108298-1

General Chemistry

Analysis Batch: 327671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108298-1	EFFLUENT 102416	Total/NA	Water	SM 2540D	
MB 480-327671/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-327671/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-108298-1 DU	EFFLUENT 102416	Total/NA	Water	SM 2540D	

Analysis Batch: 328028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108298-1	EFFLUENT 102416	Total/NA	Water	SM2540 C	
MB 480-328028/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-328028/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-108298-1

Client Sample ID: EFFLUENT 102416

Date Collected: 10/24/16 07:15

Date Received: 10/25/16 02:15

Lab Sample ID: 480-108298-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	327671	10/26/16 08:46	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	328028	10/27/16 09:03	EKB	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: 480-108298-1

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: 480-108298-1

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: 480-108298-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-108298-1	EFFLUENT 102416	Water	10/24/16 07:15	10/25/16 02:15

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-108298-1

Login Number: 108298

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: 480-108765-1

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:

11/8/2016 1:03:53 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: 480-108765-1

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: 480-108765-1

Job ID: 480-108765-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-108765-1

Receipt

The sample was received on 11/1/2016 1:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

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: 480-108765-1

Client Sample ID: EFFLUENT 103116

Lab Sample ID: 480-108765-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	671		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: 480-108765-1

Client Sample ID: EFFLUENT 103116

Lab Sample ID: 480-108765-1

Date Collected: 10/31/16 07:00

Matrix: Water

Date Received: 11/01/16 01:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	671		10.0	4.0	mg/L	—		11/01/16 17:55	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		11/03/16 10:30	1

QC Sample Results

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

TestAmerica Job ID: 480-108765-1

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

Lab Sample ID: MB 480-329232/1

Matrix: Water

Analysis Batch: 329232

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	-		11/03/16 10:30	1

Lab Sample ID: LCS 480-329232/2

Matrix: Water

Analysis Batch: 329232

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	265	261.6		mg/L	-	99	88 - 110

Lab Sample ID: 480-108765-1 DU

Matrix: Water

Analysis Batch: 329232

Client Sample ID: EFFLUENT 103116

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 480-329080/1

Matrix: Water

Analysis Batch: 329080

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	-		11/01/16 17:55	1

Lab Sample ID: LCS 480-329080/2

Matrix: Water

Analysis Batch: 329080

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	508	495.0		mg/L	-	97	85 - 115

Lab Sample ID: 480-108765-1 DU

Matrix: Water

Analysis Batch: 329080

Client Sample ID: EFFLUENT 103116

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	671		687.0		mg/L	-	2	10

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-108765-1

General Chemistry

Analysis Batch: 329080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108765-1	EFFLUENT 103116	Total/NA	Water	SM2540 C	
MB 480-329080/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-329080/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-108765-1 DU	EFFLUENT 103116	Total/NA	Water	SM2540 C	

Analysis Batch: 329232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-108765-1	EFFLUENT 103116	Total/NA	Water	SM 2540D	
MB 480-329232/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-329232/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-108765-1 DU	EFFLUENT 103116	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-108765-1

Client Sample ID: EFFLUENT 103116

Date Collected: 10/31/16 07:00

Date Received: 11/01/16 01:30

Lab Sample ID: 480-108765-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	329232	11/03/16 10:30	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	329080	11/01/16 17:55	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: 480-108765-1

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: 480-108765-1

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: 480-108765-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-108765-1	EFFLUENT 103116	Water	10/31/16 07:00	11/01/16 01:30

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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: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Johnson, Oriette S E-Mail: oriette.johnson@testamericainc.com Due Date Requested: TAT Requested (days): PO #: 11600011 WO #: Project #: 48008584 SSOW#:		Sample ID: 103116 Sample Date: 10-31-16 Sample Time: 7:00 Sample Type: C Matrix: Water Preservation Code:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids 1 2540C - Total Dissolved Solids 1 480-108765 COC		Analysis Requested: 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 - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		Total Number of Containers: 3 Special Instructions/Note:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)											
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months											
Special Instructions/QC Requirements:											
Empty Kit Relinquished by:											
Relinquished by: <i>Matthew Kowalski</i> Date: 10-31-16 / 10:00 Company: OBG											
Relinquished by: <i>REIGHLICH</i> Date: 10-31-16 / 19:00 Company: SPS											
Relinquished by: Date: Company:											
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: 1.7											

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-108765-1

Login Number: 108765

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: 480-109558-1

Client Project/Site: Former Accurate Die Cast

For:

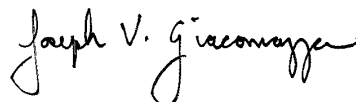
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

11/28/2016 2:06:44 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

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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: 480-109558-1

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: 480-109558-1

Job ID: 480-109558-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-109558-1

Receipt

The samples were received on 11/12/2016 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

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

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 480-109558-1

Client Sample ID: EFFLUENT 111116

Lab Sample ID: 480-109558-1

No Detections.

Client Sample ID: BETWEEN CARBONS 111116

Lab Sample ID: 480-109558-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 111116

Lab Sample ID: 480-109558-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	671		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: 480-109558-1

Client Sample ID: EFFLUENT 111116

Lab Sample ID: 480-109558-1

Date Collected: 11/11/16 07:20

Matrix: Water

Date Received: 11/12/16 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			11/22/16 22:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/22/16 22:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/22/16 22:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/22/16 22:17	1
Toluene	ND		1.0	0.51	ug/L			11/22/16 22:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/22/16 22:17	1
Trichloroethene	ND		1.0	0.46	ug/L			11/22/16 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		11/22/16 22:17	1
4-Bromofluorobenzene (Surr)	97		73 - 120		11/22/16 22:17	1
Toluene-d8 (Surr)	99		80 - 120		11/22/16 22:17	1
Dibromofluoromethane (Surr)	100		75 - 123		11/22/16 22:17	1

Client Sample ID: BETWEEN CARBONS 111116

Lab Sample ID: 480-109558-2

Date Collected: 11/11/16 07:20

Matrix: Water

Date Received: 11/12/16 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			11/22/16 22:44	1
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L			11/22/16 22:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/22/16 22:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/22/16 22:44	1
Toluene	ND		1.0	0.51	ug/L			11/22/16 22:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/22/16 22:44	1
Trichloroethene	ND		1.0	0.46	ug/L			11/22/16 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		11/22/16 22:44	1
4-Bromofluorobenzene (Surr)	98		73 - 120		11/22/16 22:44	1
Toluene-d8 (Surr)	98		80 - 120		11/22/16 22:44	1
Dibromofluoromethane (Surr)	99		75 - 123		11/22/16 22:44	1

Client Sample ID: EFFLUENT 111116

Lab Sample ID: 480-109558-3

Date Collected: 11/11/16 07:20

Matrix: Water

Date Received: 11/12/16 02:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	671		10.0	4.0	mg/L			11/17/16 22:45	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/16/16 22:45	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-109558-1

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)			
		12DCE (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-109558-1	EFFLUENT 111116	100	97	99	100
480-109558-1 MS	EFFLUENT 111116	102	100	101	100
480-109558-1 MSD	EFFLUENT 111116	99	99	100	100
480-109558-2	BETWEEN CARBONS 111116	102	98	98	99
LCS 480-333139/4	Lab Control Sample	100	101	100	103
MB 480-333139/6	Method Blank	100	102	101	99

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: 480-109558-1

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

Lab Sample ID: MB 480-333139/6

Matrix: Water

Analysis Batch: 333139

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			11/22/16 21:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/22/16 21:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/22/16 21:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/22/16 21:37	1
Toluene	ND		1.0	0.51	ug/L			11/22/16 21:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/22/16 21:37	1
Trichloroethene	ND		1.0	0.46	ug/L			11/22/16 21:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		11/22/16 21:37	1
4-Bromofluorobenzene (Surr)	102		73 - 120		11/22/16 21:37	1
Toluene-d8 (Surr)	101		80 - 120		11/22/16 21:37	1
Dibromofluoromethane (Surr)	99		75 - 123		11/22/16 21:37	1

Lab Sample ID: LCS 480-333139/4

Matrix: Water

Analysis Batch: 333139

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
Trichloroethene	25.0	24.4		ug/L		97	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	103		75 - 123

Lab Sample ID: 480-109558-1 MS

Matrix: Water

Analysis Batch: 333139

Client Sample ID: EFFLUENT 111116

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	ND		25.0	25.5		ug/L		102	76 - 120
cis-1,2-Dichloroethene	ND		25.0	26.2		ug/L		105	74 - 124
Methylene Chloride	ND		25.0	24.9		ug/L		100	75 - 124
Tetrachloroethene	ND		25.0	27.7		ug/L		111	74 - 122
Toluene	ND		25.0	26.6		ug/L		107	80 - 122
trans-1,2-Dichloroethene	ND		25.0	26.6		ug/L		106	73 - 127
Trichloroethene	ND		25.0	25.9		ug/L		104	74 - 123

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-109558-1

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

Lab Sample ID: 480-109558-1 MS

Matrix: Water

Analysis Batch: 333139

Client Sample ID: EFFLUENT 111116

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-109558-1 MSD

Matrix: Water

Analysis Batch: 333139

Client Sample ID: EFFLUENT 111116

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	ND		25.0	26.2		ug/L		105	76 - 120	3	15
cis-1,2-Dichloroethene	ND		25.0	26.8		ug/L		107	74 - 124	2	15
Methylene Chloride	ND		25.0	25.2		ug/L		101	75 - 124	1	15
Tetrachloroethene	ND		25.0	27.8		ug/L		111	74 - 122	0	20
Toluene	ND		25.0	27.4		ug/L		110	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	26.9		ug/L		108	73 - 127	1	20
Trichloroethene	ND		25.0	26.1		ug/L		104	74 - 123	0	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

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

Lab Sample ID: MB 480-332085/1

Matrix: Water

Analysis Batch: 332085

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			11/16/16 22:45	1

Lab Sample ID: LCS 480-332085/2

Matrix: Water

Analysis Batch: 332085

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	266.0		mg/L		103	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-332353/1

Matrix: Water

Analysis Batch: 332353

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			11/17/16 22:45	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-109558-1

Lab Sample ID: LCS 480-332353/2
Matrix: Water
Analysis Batch: 332353

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	520	530.0		mg/L		102	85 - 115

Lab Sample ID: 480-109558-3 DU
Matrix: Water
Analysis Batch: 332353

Client Sample ID: EFFLUENT 111116
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	671		673.0		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: 480-109558-1

GC/MS VOA

Analysis Batch: 333139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-109558-1	EFFLUENT 111116	Total/NA	Water	8260C	
480-109558-2	BETWEEN CARBONS 111116	Total/NA	Water	8260C	
MB 480-333139/6	Method Blank	Total/NA	Water	8260C	
LCS 480-333139/4	Lab Control Sample	Total/NA	Water	8260C	
480-109558-1 MS	EFFLUENT 111116	Total/NA	Water	8260C	
480-109558-1 MSD	EFFLUENT 111116	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 332085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-109558-3	EFFLUENT 111116	Total/NA	Water	SM 2540D	
MB 480-332085/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-332085/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 332353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-109558-3	EFFLUENT 111116	Total/NA	Water	SM2540 C	
MB 480-332353/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-332353/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-109558-3 DU	EFFLUENT 111116	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-109558-1

Client Sample ID: EFFLUENT 111116

Lab Sample ID: 480-109558-1

Date Collected: 11/11/16 07:20

Matrix: Water

Date Received: 11/12/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	333139	11/22/16 22:17	RJF	TAL BUF

Client Sample ID: BETWEEN CARBONS 111116

Lab Sample ID: 480-109558-2

Date Collected: 11/11/16 07:20

Matrix: Water

Date Received: 11/12/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	333139	11/22/16 22:44	RJF	TAL BUF

Client Sample ID: EFFLUENT 111116

Lab Sample ID: 480-109558-3

Date Collected: 11/11/16 07:20

Matrix: Water

Date Received: 11/12/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	332085	11/16/16 22:45	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	332353	11/17/16 22:45	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: 480-109558-1

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

Method Summary

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

TestAmerica Job ID: 480-109558-1

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: 480-109558-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-109558-1	EFFLUENT 111116	Water	11/11/16 07:20	11/12/16 02:00
480-109558-2	BETWEEN CARBONS 111116	Water	11/11/16 07:20	11/12/16 02:00
480-109558-3	EFFLUENT 111116	Water	11/11/16 07:20	11/12/16 02:00

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-109558-1

Login Number: 109558

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: 480-109641-1

Client Project/Site: Former Accurate Die Cast

For:

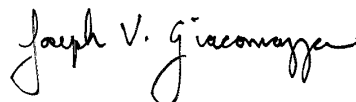
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

11/23/2016 11:18:51 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

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: 480-109641-1

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: 480-109641-1

Job ID: 480-109641-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-109641-1

Receipt

The sample was received on 11/16/2016 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

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: 480-109641-1

Client Sample ID: EFFLUENT 111516

Lab Sample ID: 480-109641-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	723		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: 480-109641-1

Client Sample ID: EFFLUENT 111516

Lab Sample ID: 480-109641-1

Date Collected: 11/15/16 07:20

Matrix: Water

Date Received: 11/16/16 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	723		10.0	4.0	mg/L	—		11/21/16 21:36	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		11/17/16 11:41	1

QC Sample Results

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

TestAmerica Job ID: 480-109641-1

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

Lab Sample ID: MB 480-332221/1

Matrix: Water

Analysis Batch: 332221

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			11/17/16 11:41	1

Lab Sample ID: LCS 480-332221/2

Matrix: Water

Analysis Batch: 332221

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	262.8		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-332924/1

Matrix: Water

Analysis Batch: 332924

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			11/21/16 21:36	1

Lab Sample ID: LCS 480-332924/2

Matrix: Water

Analysis Batch: 332924

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	520	500.0		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: 480-109641-1

General Chemistry

Analysis Batch: 332221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-109641-1	EFFLUENT 111516	Total/NA	Water	SM 2540D	
MB 480-332221/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-332221/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 332924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-109641-1	EFFLUENT 111516	Total/NA	Water	SM2540 C	
MB 480-332924/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-332924/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-109641-1

Client Sample ID: EFFLUENT 111516
Date Collected: 11/15/16 07:20
Date Received: 11/16/16 01:00

Lab Sample ID: 480-109641-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	332221	11/17/16 11:41	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	332924	11/21/16 21:36	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: 480-109641-1

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

Method Summary

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

TestAmerica Job ID: 480-109641-1

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: 480-109641-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-109641-1	EFFLUENT 111516	Water	11/15/16 07:20	11/16/16 01:00

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

11/23/2016

[illegible]

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-109641-1

Login Number: 109641

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: 480-110005-1

Client Project/Site: Former Accurate Die Cast

For:

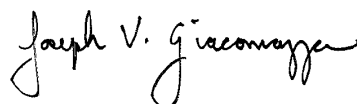
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

12/5/2016 3:52:42 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

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: 480-110005-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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: 480-110005-1

Job ID: 480-110005-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110005-1

Receipt

The samples were received on 11/22/2016 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

GC/MS VOA

Method(s) 8260C: The method blank for preparation batch 334136 contained Methylene chloride above the reporting limit (RL). None of the samples associated with this method blank contained the target compound above the RL; therefore, re-extraction and/or re-analysis of samples were not performed. The following sample is impacted: EFFLUENT 112116 (480-110005-2).

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: 480-110005-1

Client Sample ID: EFFLUENT 112116

Lab Sample ID: 480-110005-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	658		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 112116

Lab Sample ID: 480-110005-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.88	J B	1.0	0.44	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: 480-110005-1

Client Sample ID: EFFLUENT 112116

Lab Sample ID: 480-110005-1

Date Collected: 11/21/16 06:45

Matrix: Water

Date Received: 11/22/16 01:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	658		10.0	4.0	mg/L			11/23/16 00:58	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/23/16 01:43	1

Client Sample ID: EFFLUENT 112116

Lab Sample ID: 480-110005-2

Date Collected: 11/21/16 06:45

Matrix: Water

Date Received: 11/22/16 01:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/01/16 02:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/01/16 02:51	1
Methylene Chloride	0.88	J B	1.0	0.44	ug/L			12/01/16 02:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/01/16 02:51	1
Toluene	ND		1.0	0.51	ug/L			12/01/16 02:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/01/16 02:51	1
Trichloroethene	ND		1.0	0.46	ug/L			12/01/16 02:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120					12/01/16 02:51	1
4-Bromofluorobenzene (Surr)	98		73 - 120					12/01/16 02:51	1
Toluene-d8 (Surr)	97		80 - 120					12/01/16 02:51	1
Dibromofluoromethane (Surr)	104		75 - 123					12/01/16 02:51	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-110005-1

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)			
		12DCE (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-110005-2	EFFLUENT 112116	100	98	97	104
LCS 480-334136/4	Lab Control Sample	101	102	100	109
MB 480-334136/7	Method Blank	100	99	97	100

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: 480-110005-1

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

Lab Sample ID: MB 480-334136/7

Matrix: Water

Analysis Batch: 334136

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			12/01/16 00:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/01/16 00:28	1
Methylene Chloride	1.02		1.0	0.44	ug/L			12/01/16 00:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/01/16 00:28	1
Toluene	ND		1.0	0.51	ug/L			12/01/16 00:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/01/16 00:28	1
Trichloroethene	ND		1.0	0.46	ug/L			12/01/16 00:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/01/16 00:28	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/01/16 00:28	1
Toluene-d8 (Surr)	97		80 - 120		12/01/16 00:28	1
Dibromofluoromethane (Surr)	100		75 - 123		12/01/16 00:28	1

Lab Sample ID: LCS 480-334136/4

Matrix: Water

Analysis Batch: 334136

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	24.2		ug/L		97	76 - 120
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
Methylene Chloride	25.0	25.0		ug/L		100	75 - 124
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
Trichloroethene	25.0	25.7		ug/L		103	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	109		75 - 123

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

Lab Sample ID: MB 480-333186/1

Matrix: Water

Analysis Batch: 333186

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			11/23/16 01:43	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-110005-1

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

Lab Sample ID: LCS 480-333186/2

Matrix: Water

Analysis Batch: 333186

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	248.4		mg/L		100	88 - 110

Lab Sample ID: 480-110005-1 DU

Matrix: Water

Analysis Batch: 333186

Client Sample ID: EFFLUENT 112116

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 480-333184/1

Matrix: Water

Analysis Batch: 333184

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			11/23/16 00:58	1

Lab Sample ID: LCS 480-333184/2

Matrix: Water

Analysis Batch: 333184

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	520	525.0		mg/L		101	85 - 115

Lab Sample ID: 480-110005-1 DU

Matrix: Water

Analysis Batch: 333184

Client Sample ID: EFFLUENT 112116

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	658		643.0		mg/L		2	10

QC Association Summary

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

TestAmerica Job ID: 480-110005-1

GC/MS VOA

Analysis Batch: 334136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110005-2	EFFLUENT 112116	Total/NA	Water	8260C	
MB 480-334136/7	Method Blank	Total/NA	Water	8260C	
LCS 480-334136/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 333184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110005-1	EFFLUENT 112116	Total/NA	Water	SM2540 C	
MB 480-333184/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-333184/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-110005-1 DU	EFFLUENT 112116	Total/NA	Water	SM2540 C	

Analysis Batch: 333186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110005-1	EFFLUENT 112116	Total/NA	Water	SM 2540D	
MB 480-333186/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-333186/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-110005-1 DU	EFFLUENT 112116	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-110005-1

Client Sample ID: EFFLUENT 112116

Lab Sample ID: 480-110005-1

Date Collected: 11/21/16 06:45

Matrix: Water

Date Received: 11/22/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	333186	11/23/16 01:43	KMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	333184	11/23/16 00:58	KMB	TAL BUF

Client Sample ID: EFFLUENT 112116

Lab Sample ID: 480-110005-2

Date Collected: 11/21/16 06:45

Matrix: Water

Date Received: 11/22/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	334136	12/01/16 02:51	NEA	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: 480-110005-1

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

Method Summary

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

TestAmerica Job ID: 480-110005-1

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: 480-110005-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110005-1	EFFLUENT 112116	Water	11/21/16 06:45	11/22/16 01:30
480-110005-2	EFFLUENT 112116	Water	11/21/16 06:45	11/22/16 01:30

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: NY, Zip: 13221 Phone: 315-958-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Sample: <i>Martin Koenig</i> Lab PM: Johnson, Orlette S Phone: 315 729-1300 E-Mail: orlette.johnson@testamericainc.com		COC No: 480-78350-10587.1 Page: Page 1 of 1 Job #: 480-110005 COC	
Analysis Request Due Date Requested: TAT Requested (days): PO #: 11600011 WO #: 48008584 Project #: 48008584 SSOVW#:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor 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)			
Sample Identification Sample ID: 112116 Effluent 112116 Effluent 112116		Sample Date: 11-21-16 Sample Time: 645 Sample Type: C Matrix: Water Sample Type: G=grab, G=grab, G=grab Matrix: W=water, S=solid, O=wastefall, G=grab, G=grab, G=grab		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 2640D - Total Suspended Solids 2640C - Caled - Total Dissolved Solids 8260C - Volatile Organic Compounds	
Total Number of Containers: 2 Special Instructions/Note:		Total Number of Containers: 2 Special Instructions/Note:			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months					
Special Instructions/QC Requirements:					
Empty Kit Relinquished by: Relinquished by: <i>Martin Koenig</i> Date/Time: 11-21-16 / 1345 Company: OBG		Method of Shipment: Date/Time: 11-21-16, 13:45 Company: Syn			
Relinquished by: Relinquished by: <i>Martin Koenig</i> Date/Time: 11-21-16, 19:00 Company: Syn		Date/Time: 11-22-16, 0130 Company: 1790			
Relinquished by: Relinquished by: <i>Martin Koenig</i> Date/Time: 11-21-16, 19:00 Company: Syn		Date/Time: 11-22-16, 0130 Company: 1790			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 2.3 #1			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110005-1

Login Number: 110005

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: 480-110150-1

Client Project/Site: Former Accurate Die Cast

For:

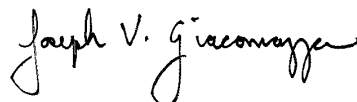
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

12/2/2016 11:43:51 AM

Joe Giacomazza, Project Management Assistant II

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Designee for

Orlette Johnson, Senior Project Manager

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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: 480-110150-1

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: 480-110150-1

Job ID: 480-110150-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110150-1

Receipt

The sample was received on 11/29/2016 1:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1° C.

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: 480-110150-1

Client Sample ID: EFFLUENT 112816

Lab Sample ID: 480-110150-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	678		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: 480-110150-1

Client Sample ID: EFFLUENT 112816

Lab Sample ID: 480-110150-1

Date Collected: 11/28/16 06:45

Matrix: Water

Date Received: 11/29/16 01:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	678		10.0	4.0	mg/L	—		11/29/16 09:26	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		11/29/16 19:48	1

QC Sample Results

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

TestAmerica Job ID: 480-110150-1

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

Lab Sample ID: MB 480-333933/1

Matrix: Water

Analysis Batch: 333933

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			11/29/16 19:48	1

Lab Sample ID: LCS 480-333933/2

Matrix: Water

Analysis Batch: 333933

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	226	225.2		mg/L		100	88 - 110

Lab Sample ID: 480-110150-1 DU

Matrix: Water

Analysis Batch: 333933

Client Sample ID: EFFLUENT 112816

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 480-333819/1

Matrix: Water

Analysis Batch: 333819

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			11/29/16 09:26	1

Lab Sample ID: LCS 480-333819/2

Matrix: Water

Analysis Batch: 333819

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	530	533.0		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: 480-110150-1

General Chemistry

Analysis Batch: 333819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110150-1	EFFLUENT 112816	Total/NA	Water	SM2540 C	
MB 480-333819/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-333819/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 333933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110150-1	EFFLUENT 112816	Total/NA	Water	SM 2540D	
MB 480-333933/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-333933/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-110150-1 DU	EFFLUENT 112816	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-110150-1

Client Sample ID: EFFLUENT 112816

Date Collected: 11/28/16 06:45

Date Received: 11/29/16 01:30

Lab Sample ID: 480-110150-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	333933	11/29/16 19:48	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	333819	11/29/16 09:26	EKB	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: 480-110150-1

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

Method Summary

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

TestAmerica Job ID: 480-110150-1

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: 480-110150-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110150-1	EFFLUENT 112816	Water	11/28/16 06:45	11/29/16 01:30

TestAmerica Buffalo

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

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information Client Contact: <u>Mr. Yuri Veliz</u> Phone: <u>315-729-1300</u> E-Mail: <u>orlette.johnson@testamericainc.com</u>		Lab Pili: <u>Johnson, Orlette S</u> E-Mail: <u>orlette.johnson@testamericainc.com</u>		Sample: <u>Martin Koemake</u> Phone: <u>315-729-1300</u>		CAC No: <u>480-78334-10588.1</u> Page: <u>Page 1 of 1</u> Job #:	
Company: <u>O'Brien & Gere Inc of North America</u> Address: <u>333 West Washington St. PO BOX 4873</u> City: <u>East Syracuse</u> State, Zip: <u>NY, 13221</u> Phone: <u>315-956-6100(Tel) 315-463-7554(Fax)</u> Email: <u>Yuri.Veliz@obg.com</u> Project Name: <u>Former Accurate Die Cast</u> Site:				Due Date Requested: TAT Requested (days): PO #: <u>11600011</u> WO #: <u>48008584</u> SSOW#:			
Sample Identification Effluent <u>11-28-16</u> Sample Date <u>11-28-16</u> Sample Time <u>6:45</u> Sample Type <u>C</u> Matrix <u>Water</u>				Field Filtered Sample (Yes or No) <u>X</u> 2540B - Total Suspended Solids <u>1</u> 2540C - Total Dissolved Solids <u>1</u>			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months			
Empty Kit Relinquished by: <u>Martin Koemake</u> Date: <u>11-28-16</u> Time: <u>9:35</u> Company: <u>OBG</u>				Received by: <u>Martin Koemake</u> Date/Time: <u>11-28-16 11:28</u> Company: <u>OBG</u>			
Relinquished by: <u>Reinhold</u> Date/Time: <u>11-28-16, 19:05</u> Company: <u>sga</u>				Received by: <u>Reinhold</u> Date/Time: <u>11-29-16 01:30</u> Company: <u>OBG</u>			
Relinquished by:				Received by:			
Custody Seals Intact: <u>Δ Yes Δ No</u>				Cooler Temperature(s) °C and Other Remarks: <u>11 #1</u>			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110150-1

Login Number: 110150

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: 480-110496-1

Client Project/Site: Former Accurate Die Cast

For:

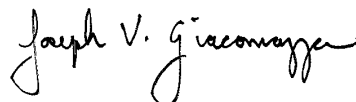
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

12/13/2016 10:21:13 AM

Joe Giacomazza, Project Management Assistant II

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Designee for

Orlette Johnson, Senior Project Manager

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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: 480-110496-1

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.

Metals

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: 480-110496-1

Job ID: 480-110496-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-110496-1

Receipt

The samples were received on 12/6/2016 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9° C.

GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT 120516 (480-110496-4). 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: 480-110496-1

Client Sample ID: EFFLUENT 120516

Lab Sample ID: 480-110496-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0047	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	702		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 120516

Lab Sample ID: 480-110496-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.96	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: INFLUENT 120516

Lab Sample ID: 480-110496-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0040	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: INFLUENT 120516

Lab Sample ID: 480-110496-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	340		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: EFFLUENT 120516

Lab Sample ID: 480-110496-5

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: 480-110496-1

Client Sample ID: EFFLUENT 120516

Lab Sample ID: 480-110496-1

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 02:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0047	J	0.010	0.0015	mg/L		12/06/16 08:55	12/06/16 20:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/06/16 08:25	12/06/16 13:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	702		10.0	4.0	mg/L			12/06/16 17:46	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/07/16 16:05	1

Client Sample ID: BETWEEN CARBONS 120516

Lab Sample ID: 480-110496-2

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 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			12/06/16 17:02	1
cis-1,2-Dichloroethene	3.0		1.0	0.81	ug/L			12/06/16 17:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/16 17:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/16 17:02	1
Toluene	ND		1.0	0.51	ug/L			12/06/16 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/16 17:02	1
Trichloroethene	0.96	J	1.0	0.46	ug/L			12/06/16 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		12/06/16 17:02	1
4-Bromofluorobenzene (Surr)	95		73 - 120		12/06/16 17:02	1
Toluene-d8 (Surr)	85		80 - 120		12/06/16 17:02	1
Dibromofluoromethane (Surr)	93		75 - 123		12/06/16 17:02	1

Client Sample ID: INFLUENT 120516

Lab Sample ID: 480-110496-3

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 02:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0040	J	0.010	0.0015	mg/L		12/06/16 08:55	12/06/16 21:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/06/16 08:25	12/06/16 13:21	1

Client Sample ID: INFLUENT 120516

Lab Sample ID: 480-110496-4

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 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		8.0	1.7	ug/L			12/06/16 17:29	8

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-110496-1

Client Sample ID: INFLUENT 120516

Lab Sample ID: 480-110496-4

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			12/06/16 17:29	8
Methylene Chloride	ND		8.0	3.5	ug/L			12/06/16 17:29	8
Tetrachloroethene	ND		8.0	2.9	ug/L			12/06/16 17:29	8
Toluene	ND		8.0	4.1	ug/L			12/06/16 17:29	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			12/06/16 17:29	8
Trichloroethene	340		8.0	3.7	ug/L			12/06/16 17:29	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		12/06/16 17:29	8
4-Bromofluorobenzene (Surr)	96		73 - 120		12/06/16 17:29	8
Toluene-d8 (Surr)	91		80 - 120		12/06/16 17:29	8
Dibromofluoromethane (Surr)	92		75 - 123		12/06/16 17:29	8

Client Sample ID: EFFLUENT 120516

Lab Sample ID: 480-110496-5

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 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			12/06/16 17:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/16 17:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/16 17:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/16 17:56	1
Toluene	ND		1.0	0.51	ug/L			12/06/16 17:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/16 17:56	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/16 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		12/06/16 17:56	1
4-Bromofluorobenzene (Surr)	98		73 - 120		12/06/16 17:56	1
Toluene-d8 (Surr)	87		80 - 120		12/06/16 17:56	1
Dibromofluoromethane (Surr)	94		75 - 123		12/06/16 17:56	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-110496-1

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)			
		12DCE (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-110496-2	BETWEEN CARBONS 120516	91	95	85	93
480-110496-4	INFLUENT 120516	93	96	91	92
480-110496-5	EFFLUENT 120516	93	98	87	94
LCS 480-334907/5	Lab Control Sample	91	99	90	96
MB 480-334907/7	Method Blank	90	99	87	92

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: 480-110496-1

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

Lab Sample ID: MB 480-334907/7

Matrix: Water

Analysis Batch: 334907

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			12/06/16 12:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/16 12:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/16 12:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/16 12:25	1
Toluene	ND		1.0	0.51	ug/L			12/06/16 12:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/16 12:25	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/16 12:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		77 - 120		12/06/16 12:25	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/06/16 12:25	1
Toluene-d8 (Surr)	87		80 - 120		12/06/16 12:25	1
Dibromofluoromethane (Surr)	92		75 - 123		12/06/16 12:25	1

Lab Sample ID: LCS 480-334907/5

Matrix: Water

Analysis Batch: 334907

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	22.1		ug/L		88	76 - 120
cis-1,2-Dichloroethene	25.0	22.2		ug/L		89	74 - 124
Methylene Chloride	25.0	21.2		ug/L		85	75 - 124
Tetrachloroethene	25.0	19.5		ug/L		78	74 - 122
Toluene	25.0	21.2		ug/L		85	80 - 122
trans-1,2-Dichloroethene	25.0	20.3		ug/L		81	73 - 127
Trichloroethene	25.0	20.2		ug/L		81	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	91		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	90		80 - 120
Dibromofluoromethane (Surr)	96		75 - 123

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-334855/1-A

Matrix: Water

Analysis Batch: 335085

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 334855

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		12/06/16 08:55	12/06/16 20:12	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-110496-1

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

Lab Sample ID: LCS 480-334855/2-A

Matrix: Water

Analysis Batch: 335085

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 334855

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.207		mg/L		104	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-334862/1-A

Matrix: Water

Analysis Batch: 334979

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 334862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/06/16 08:25	12/06/16 12:36	1

Lab Sample ID: LCS 480-334862/2-A

Matrix: Water

Analysis Batch: 334979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 334862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00702		mg/L		105	80 - 120

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

Lab Sample ID: MB 480-335254/1

Matrix: Water

Analysis Batch: 335254

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			12/07/16 16:05	1

Lab Sample ID: LCS 480-335254/2

Matrix: Water

Analysis Batch: 335254

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	239	237.6		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-335024/1

Matrix: Water

Analysis Batch: 335024

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			12/06/16 17:46	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-110496-1

Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: LCS 480-335024/2

Matrix: Water

Analysis Batch: 335024

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	530	521.0		mg/L		98	85 - 115

Lab Sample ID: 480-110496-1 DU

Matrix: Water

Analysis Batch: 335024

Client Sample ID: EFFLUENT 120516

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	702		736.0		mg/L		5	10

QC Association Summary

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

TestAmerica Job ID: 480-110496-1

GC/MS VOA

Analysis Batch: 334907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110496-2	BETWEEN CARBONS 120516	Total/NA	Water	8260C	
480-110496-4	INFLUENT 120516	Total/NA	Water	8260C	
480-110496-5	EFFLUENT 120516	Total/NA	Water	8260C	
MB 480-334907/7	Method Blank	Total/NA	Water	8260C	
LCS 480-334907/5	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 334855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110496-1	EFFLUENT 120516	Total/NA	Water	3005A	
480-110496-3	INFLUENT 120516	Total/NA	Water	3005A	
MB 480-334855/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-334855/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 334862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110496-1	EFFLUENT 120516	Total/NA	Water	7470A	
480-110496-3	INFLUENT 120516	Total/NA	Water	7470A	
MB 480-334862/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-334862/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 334979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110496-1	EFFLUENT 120516	Total/NA	Water	7470A	334862
480-110496-3	INFLUENT 120516	Total/NA	Water	7470A	334862
MB 480-334862/1-A	Method Blank	Total/NA	Water	7470A	334862
LCS 480-334862/2-A	Lab Control Sample	Total/NA	Water	7470A	334862

Analysis Batch: 335085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110496-1	EFFLUENT 120516	Total/NA	Water	6010C	334855
480-110496-3	INFLUENT 120516	Total/NA	Water	6010C	334855
MB 480-334855/1-A	Method Blank	Total/NA	Water	6010C	334855
LCS 480-334855/2-A	Lab Control Sample	Total/NA	Water	6010C	334855

General Chemistry

Analysis Batch: 335024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110496-1	EFFLUENT 120516	Total/NA	Water	SM2540 C	
MB 480-335024/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-335024/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-110496-1 DU	EFFLUENT 120516	Total/NA	Water	SM2540 C	

Analysis Batch: 335254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110496-1	EFFLUENT 120516	Total/NA	Water	SM 2540D	
MB 480-335254/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-335254/2	Lab Control Sample	Total/NA	Water	SM 2540D	

TestAmerica Buffalo

Lab Chronicle

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

TestAmerica Job ID: 480-110496-1

Client Sample ID: EFFLUENT 120516

Lab Sample ID: 480-110496-1

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			334855	12/06/16 08:55	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	335085	12/06/16 20:57	LMH	TAL BUF
Total/NA	Prep	7470A			334862	12/06/16 08:25	RMZ	TAL BUF
Total/NA	Analysis	7470A		1	334979	12/06/16 13:19	RMZ	TAL BUF
Total/NA	Analysis	SM 2540D		1	335254	12/07/16 16:05	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	335024	12/06/16 17:46	CDC	TAL BUF

Client Sample ID: BETWEEN CARBONS 120516

Lab Sample ID: 480-110496-2

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	334907	12/06/16 17:02	SMY	TAL BUF

Client Sample ID: INFLUENT 120516

Lab Sample ID: 480-110496-3

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			334855	12/06/16 08:55	MVZ	TAL BUF
Total/NA	Analysis	6010C		1	335085	12/06/16 21:00	LMH	TAL BUF
Total/NA	Prep	7470A			334862	12/06/16 08:25	RMZ	TAL BUF
Total/NA	Analysis	7470A		1	334979	12/06/16 13:21	RMZ	TAL BUF

Client Sample ID: INFLUENT 120516

Lab Sample ID: 480-110496-4

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	334907	12/06/16 17:29	SMY	TAL BUF

Client Sample ID: EFFLUENT 120516

Lab Sample ID: 480-110496-5

Date Collected: 12/05/16 07:30

Matrix: Water

Date Received: 12/06/16 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	334907	12/06/16 17:56	SMY	TAL BUF

Laboratory References:

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

TestAmerica Buffalo

Certification Summary

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

TestAmerica Job ID: 480-110496-1

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

Method Summary

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

TestAmerica Job ID: 480-110496-1

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: 480-110496-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110496-1	EFFLUENT 120516	Water	12/05/16 07:30	12/06/16 02:00
480-110496-2	BETWEEN CARBONS 120516	Water	12/05/16 07:30	12/06/16 02:00
480-110496-3	INFLUENT 120516	Water	12/05/16 07:30	12/06/16 02:00
480-110496-4	INFLUENT 120516	Water	12/05/16 07:30	12/06/16 02:00
480-110496-5	EFFLUENT 120516	Water	12/05/16 07:30	12/06/16 02:00

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

Chain of Custody Record

TestAmerica

TESTING OF THE PROPOSED



Phone: (714) 961-2000 FAX: (714) 961-1991					
Client Information Client Contact: Mr. Yuri Veliz			Sampled: <i>Marta Krennke</i> Phone: <i>315-729-1300</i>	Lab PM: Johnson, Oriette S	C
				E-Mail: oriette.johnson@testamericainc.com	

Company:	O'Brien & Gere Inc of North America	Analysis Required

Address:	3333 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 #:	11600011		
WO #:			
Project #:	48008584		
SSOW#:			
Due Date Requested:			
TAT Requested (days):			

Sample Identification						Field Filtered S	Perform M/S/M	2640D - Total Su	2640C - Catel - T	B280C - Volatile	6010C - Zinc	7470A - Mercury
Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, Q=wastefluid, BT=Tissue, A=Air)	Presentation Code		N	A	D	D			
<i>Effluent 12.05.16</i>	<i>12-5-16</i>	<i>7:30 C</i>	<i>Water</i>			<i>1</i>		<i>1</i>	<i>1</i>			
<i>Between Carbons 12.05.16</i>	<i>12-5-16</i>	<i>7:30 G</i>	<i>Water</i>					<i>3</i>				
<i>Influent 12.05.16</i>	<i>12-5-16</i>	<i>7:30 C</i>	<i>Water</i>						<i>1</i>			
<i>Influent 12.05.16</i>	<i>12-5-16</i>	<i>7:30 G</i>	<i>water</i>					<i>3</i>				
<i>Effluent 12.05.16</i>	<i>12-5-16</i>	<i>7:30 G</i>	<i>water</i>					<i>3</i>				
<i>PG</i>												
<i>12-5-16</i>												

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal
Deliverable Requested: I, II, III, IV, Other (specify)		
Special Instructions/QC Requirements:		

Empty Kit Relinquished by:		Date:	Time:
Relinquished by:	Marta Krasner	Date/Time: 12-5-16 / 9:45	Company: OBG Received by: [Signature]
Relinquished by:	R. E. G. 116	Date/Time: 12-5-16 / 13:025	Company: [Signature] Received by: [Signature]
Relinquished by:		Date/Time:	Company: Received by:
Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks

COC No:	480-78315-10589.1
Page:	Page 1 of 1
Job #:	

Preservation Codes:	
A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Decahydrate
I - Ice	U - Aselone
J - DI Water	V - MCAA
K - EDTA	W - pH 4.5
L - EDA	Z - other (specify)
Other:	

[illegible]

☐ retained longer than 1 month)

Archive For _____ Months

12-5-16	Company	12-5-16	Company
12-5-16	Company	12-5-16	Company

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110496-1

Login Number: 110496

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: 480-110978-1

Client Project/Site: Former Accurate Die Cast

For:

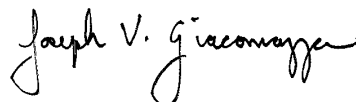
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

12/20/2016 11:07:32 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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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: 480-110978-1

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: 480-110978-1

Job ID: 480-110978-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-110978-1

Receipt

The sample was received on 12/13/2016 2:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7° C.

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: 480-110978-1

Client Sample ID: EFFLUENT 121216

Lab Sample ID: 480-110978-1

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

Client Sample Results

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

TestAmerica Job ID: 480-110978-1

Client Sample ID: EFFLUENT 121216

Lab Sample ID: 480-110978-1

Date Collected: 12/12/16 07:45

Matrix: Water

Date Received: 12/13/16 02:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	675		10.0	4.0	mg/L	—		12/16/16 21:33	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		12/16/16 00:39	1

QC Sample Results

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

TestAmerica Job ID: 480-110978-1

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

Lab Sample ID: MB 480-336712/1

Matrix: Water

Analysis Batch: 336712

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			12/16/16 00:39	1

Lab Sample ID: LCS 480-336712/2

Matrix: Water

Analysis Batch: 336712

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	246	245.6		mg/L		100	88 - 110

Lab Sample ID: 480-110978-1 DU

Matrix: Water

Analysis Batch: 336712

Client Sample ID: EFFLUENT 121216

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 480-336925/1

Matrix: Water

Analysis Batch: 336925

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			12/16/16 21:33	1

Lab Sample ID: LCS 480-336925/2

Matrix: Water

Analysis Batch: 336925

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	523	507.0		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: 480-110978-1

General Chemistry

Analysis Batch: 336712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110978-1	EFFLUENT 121216	Total/NA	Water	SM 2540D	
MB 480-336712/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-336712/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-110978-1 DU	EFFLUENT 121216	Total/NA	Water	SM 2540D	

Analysis Batch: 336925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-110978-1	EFFLUENT 121216	Total/NA	Water	SM2540 C	
MB 480-336925/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-336925/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-110978-1

Client Sample ID: EFFLUENT 121216

Date Collected: 12/12/16 07:45

Date Received: 12/13/16 02:15

Lab Sample ID: 480-110978-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	336712	12/16/16 00:39	KMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	336925	12/16/16 21:33	ELR	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: 480-110978-1

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

Method Summary

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

TestAmerica Job ID: 480-110978-1

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: 480-110978-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110978-1	EFFLUENT 121216	Water	12/12/16 07:45	12/13/16 02:15

Chain of Custody Record



Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Lab PM: Johnson, Orlette S E-Mail: orlette.johnson@testamericainc.com Phone: 315-429-1300 Carr:	
Due Date Requested: TAT Requested (days): PO #: WO #: Project #: SSOW#:		COC No: 480-78339-10586.1 Page: Page 1 of 1 Job #:	
Analysis Requested		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:	
Sample Identification Effluent 12/21/16		Special Instructions/Note:	
Sample Date: 12-12-16 Sample Time: 7:45 Sample Type (C=Comp, G=grab): C Matrix (W=water, S=solid, O=wastewater, B=soil, A=air): Water		Total Number of Containers: 8	
Field Filtered Sample (Yes or No): 2640D - Total Suspended Solids: N 2640C - Caled - Total Dissolved Solids: N		Special Instructions/Note:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, IV, Other (specify)			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months			
Special Instructions/QC Requirements:			
Empty Kit Relinquished by:			
Relinquished by: <i>Yuri Veliz</i> Date/Time: 12-12-16 / 13:00 Company: OBG		Received by: <i>Orlette Johnson</i> Date/Time: 12-12-16 / 13:00 Company: Syn	
Relinquished by: <i>R. E. Veliz</i> Date/Time: 12-12-16 / 19:00 Company: Syn		Received by: <i>Orlette Johnson</i> Date/Time: 12-12-16 / 02:00 Company: Syn	
Cooler Temperature(s) °C and Other Remarks: 1.7 #1			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-110978-1

Login Number: 110978

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: 480-111471-1

Client Project/Site: Former Accurate Die Cast

For:

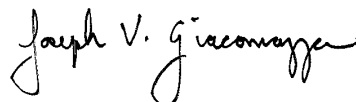
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

12/29/2016 10:06:16 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

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: 480-111471-1

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: 480-111471-1

Job ID: 480-111471-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-111471-1

Receipt

The samples were received on 12/23/2016 2:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° 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.

Detection Summary

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

TestAmerica Job ID: 480-111471-1

Client Sample ID: EFFLUENT 122216

Lab Sample ID: 480-111471-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	686		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 122216

Lab Sample ID: 480-111471-2

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: 480-111471-1

Client Sample ID: EFFLUENT 122216

Date Collected: 12/22/16 10:30

Date Received: 12/23/16 03:00

Lab Sample ID: 480-111471-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	686		10.0	4.0	mg/L	-		12/27/16 10:06	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	-		12/23/16 15:58	1

Client Sample ID: EFFLUENT 122216

Date Collected: 12/22/16 10:30

Date Received: 12/23/16 03:00

Lab Sample ID: 480-111471-2

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	-		12/23/16 14:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/16 14:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/16 14:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/16 14:12	1
Toluene	ND		1.0	0.51	ug/L			12/23/16 14:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/16 14:12	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/16 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					12/23/16 14:12	1
4-Bromofluorobenzene (Surr)	90		73 - 120					12/23/16 14:12	1
Toluene-d8 (Surr)	100		80 - 120					12/23/16 14:12	1
Dibromofluoromethane (Surr)	104		75 - 123					12/23/16 14:12	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-111471-1

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 (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-111471-2	EFFLUENT 122216	102	90	100	104
LCS 480-337885/18	Lab Control Sample	99	94	103	100
MB 480-337885/7	Method Blank	100	89	102	105

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: 480-111471-1

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

Lab Sample ID: MB 480-337885/7

Matrix: Water

Analysis Batch: 337885

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			12/23/16 12:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/23/16 12:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/23/16 12:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/23/16 12:09	1
Toluene	ND		1.0	0.51	ug/L			12/23/16 12:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/23/16 12:09	1
Trichloroethene	ND		1.0	0.46	ug/L			12/23/16 12:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/23/16 12:09	1
4-Bromofluorobenzene (Surr)	89		73 - 120		12/23/16 12:09	1
Toluene-d8 (Surr)	102		80 - 120		12/23/16 12:09	1
Dibromofluoromethane (Surr)	105		75 - 123		12/23/16 12:09	1

Lab Sample ID: LCS 480-337885/18

Matrix: Water

Analysis Batch: 337885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	76 - 120
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
Methylene Chloride	25.0	23.9		ug/L		96	75 - 124
Tetrachloroethene	25.0	22.0		ug/L		88	74 - 122
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
Trichloroethene	25.0	22.3		ug/L		89	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

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

Lab Sample ID: MB 480-337969/1

Matrix: Water

Analysis Batch: 337969

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			12/23/16 15:58	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-111471-1

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

Lab Sample ID: LCS 480-337969/2

Matrix: Water

Analysis Batch: 337969

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	246	244.0		mg/L		99	88 - 110

Lab Sample ID: 480-111471-1 DU

Matrix: Water

Analysis Batch: 337969

Client Sample ID: EFFLUENT 122216

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 480-338054/1

Matrix: Water

Analysis Batch: 338054

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			12/27/16 10:06	1

Lab Sample ID: LCS 480-338054/2

Matrix: Water

Analysis Batch: 338054

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	505.0		mg/L		100	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-111471-1

GC/MS VOA

Analysis Batch: 337885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111471-2	EFFLUENT 122216	Total/NA	Water	8260C	
MB 480-337885/7	Method Blank	Total/NA	Water	8260C	
LCS 480-337885/18	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 337969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111471-1	EFFLUENT 122216	Total/NA	Water	SM 2540D	
MB 480-337969/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-337969/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-111471-1 DU	EFFLUENT 122216	Total/NA	Water	SM 2540D	

Analysis Batch: 338054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111471-1	EFFLUENT 122216	Total/NA	Water	SM2540 C	
MB 480-338054/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-338054/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-111471-1

Client Sample ID: EFFLUENT 122216

Date Collected: 12/22/16 10:30

Date Received: 12/23/16 03:00

Lab Sample ID: 480-111471-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	337969	12/23/16 15:58	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	338054	12/27/16 10:06	EKB	TAL BUF

Client Sample ID: EFFLUENT 122216

Date Collected: 12/22/16 10:30

Date Received: 12/23/16 03:00

Lab Sample ID: 480-111471-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	337885	12/23/16 14:12	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: 480-111471-1

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

Method Summary

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

TestAmerica Job ID: 480-111471-1

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: 480-111471-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-111471-1	EFFLUENT 122216	Water	12/22/16 10:30	12/23/16 03:00
480-111471-2	EFFLUENT 122216	Water	12/22/16 10:30	12/23/16 03:00

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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 Sample: <u>MAKIN Kovera</u> Lab P/N: <u>Johnson, Oriette S</u> Phone: <u>315-724-1300</u> E-Mail: <u>oriette.johnson@testamericainc.com</u>		COC No: <u>480-78352-10587.1</u> Page: <u>Page 1 of 1</u> Job #: _____	
Company: <u>O'Brien & Gere Inc of North America</u> Address: <u>333 West Washington St. PO BOX 4873</u> City: <u>East Syracuse</u> State, Zip: <u>NY, 13221</u> Phone: <u>315-956-6100(Tel) 315-463-7554(Fax)</u> Email: <u>Yuri.Velitz@obg.com</u> Project Name: <u>Former Accurate Die Cast</u> Site: _____		Analysis Request: <u>480-111471 COC</u> Due Date Requested: _____ TAT Requested (days): _____ PO #: <u>11600011</u> WO #: _____ Project #: <u>48008584</u> SSOW#: _____	
Sample Identification Effluent <u>122216</u> Effluent <u>122216</u>		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 - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Sample Date: <u>12-22-16</u> Sample Time: <u>1030</u> Sample Type: <u>C</u> Matrix: <u>Water</u> Field Filtered Sample (Yes or No) <u>X</u> Perform MS/MSD (Yes or No) <u>X</u> 2540C - Total Suspended Solids <u>11</u> 2540C - Calcd - Total Dissolved Solids <u>3</u> 8260C - Volatile Organic Compounds <u>3</u>		Special Instructions/Note: Total Number of Containers: <u>3</u> Special Instructions/Note: _____	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) _____			
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <u>MAKIN Kovera</u> Date: <u>12-22-16 / 11:05</u> Company: <u>OBG</u> Relinquished by: <u>Reigler</u> Date: <u>12-22-16, 19:00</u> Company: <u>Syr</u> Relinquished by: _____ Date: _____ Company: _____			
Custody Seals Intact: <u>1.0</u> Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-111471-1

Login Number: 111471

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: 480-111539-1

Client Project/Site: Former Accurate Die Cast

For:

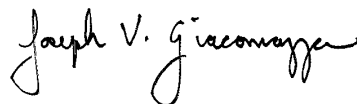
O'Brien & Gere Inc of North America

333 West Washington St.

PO BOX 4873

East Syracuse, New York 13221

Attn: Mr. Al Farrell



Authorized for release by:

12/30/2016 9:59:46 AM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager

(484)685-0864

orlette.johnson@testamericainc.com

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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: 480-111539-1

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: 480-111539-1

Job ID: 480-111539-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-111539-1

Receipt

The sample was received on 12/28/2016 9:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0° C.

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: 480-111539-1

Client Sample ID: EFFLUENT 122716

Lab Sample ID: 480-111539-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	731		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: 480-111539-1

Client Sample ID: EFFLUENT 122716

Lab Sample ID: 480-111539-1

Date Collected: 12/27/16 07:30

Matrix: Water

Date Received: 12/28/16 09:15

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	731		10.0	4.0	mg/L	—		12/28/16 18:57	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		12/28/16 16:58	1

QC Sample Results

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

TestAmerica Job ID: 480-111539-1

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

Lab Sample ID: MB 480-338274/1

Matrix: Water

Analysis Batch: 338274

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			12/28/16 16:58	1

Lab Sample ID: LCS 480-338274/2

Matrix: Water

Analysis Batch: 338274

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	236	233.2		mg/L		99	88 - 110

Lab Sample ID: 480-111539-1 DU

Matrix: Water

Analysis Batch: 338274

Client Sample ID: EFFLUENT 122716

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 480-338286/1

Matrix: Water

Analysis Batch: 338286

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			12/28/16 18:57	1

Lab Sample ID: LCS 480-338286/2

Matrix: Water

Analysis Batch: 338286

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	505.0		mg/L		100	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-111539-1

General Chemistry

Analysis Batch: 338274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111539-1	EFFLUENT 122716	Total/NA	Water	SM 2540D	
MB 480-338274/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-338274/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-111539-1 DU	EFFLUENT 122716	Total/NA	Water	SM 2540D	

Analysis Batch: 338286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111539-1	EFFLUENT 122716	Total/NA	Water	SM2540 C	
MB 480-338286/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-338286/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-111539-1

Client Sample ID: EFFLUENT 122716

Lab Sample ID: 480-111539-1

Date Collected: 12/27/16 07:30

Matrix: Water

Date Received: 12/28/16 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	338274	12/28/16 16:58	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	338286	12/28/16 18:57	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: 480-111539-1

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

Method Summary

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

TestAmerica Job ID: 480-111539-1

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: 480-111539-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-111539-1	EFFLUENT 122716	Water	12/27/16 07:30	12/28/16 09:15

Client Information Client Contact: Mr. Yuri Veliz Phone: 315-929-1300 E-Mail: orlette.johnson@testamericainc.com		Lab P/N: Johnson, Orlette S E-Mail: orlette.johnson@testamericainc.com		Camper Tracking No(s): 480-78339-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11600011 WO #: 48008584 Project #: 48008584 SSOW#:		Analysis Requested			
Address: 3333 West Washington St. PO BOX 4873 City: East Syracuse State: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic I - Ice J - DI Water K - EDTA L - EDA Other: 480-111539 COC 			
Sample Identification Effluent 122716		Special Instructions/Note: Total Number of Containers: 2			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
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Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
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Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
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Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date: 12-27-16 Sample Time: 7:30 Sample Type: C Matrix: Water		2640C - Total Dissolved Solids 2640D - Total Suspended Solids Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No)			
Sample Date:					

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-111539-1

Login Number: 111539

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	