



January 14, 2015

Mr. John C. Grathwol, P.E.

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

RE: Former Accurate Die Casting Site
Fayetteville, New York
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 2014 (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 31, 2014, a total of 105,042,160 gallons of groundwater have been treated since startup on February 5, 1996. Since October 1, 2014, 640,060 gallons of groundwater have been treated: 204,060 gallons from recovery well RW-1; 435,460 gallons from recovery well RW-2; 310 gallons from the collection trench constructed in the former VOC/PAH/PCB Soils Area; and 230 gallons from the sump located outside the northeast corner of the building.

O'Brien & Gere 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 2014 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) 956-6100.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'Alfred R. Farrell'.

Alfred R. Farrell, P.E.
Project Manager

cc: 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]

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

Analyte (units)	Monitoring Requirements				Effluent 10/27/2014	Effluent 10/29/2014	Effluent 10/30/2014	Effluent 10/31/2014	Effluent 11/3/2014	Effluent 11/6/2014	Effluent 11/7/2014	Effluent 11/10/2014	Effluent 11/10/2014
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type									
Flow (GPD)	Monitor	150000	Continuous	Meter	7531	7330	7290	7350	7183	7054	7040	6861	6753
pH (SU)	6.5-8.5		2/Week	Grab	8.4	8.4	8.44	8.42	8.46	8.46	8.46	8.46	8.45
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4.0 U	---	---	---	---	4.0 U	---	---	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	695	---	---	---	---	766	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	---	---	---	---	---	1 U	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	---	---	---	---	1 U	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---
Notes:													
- Not analyzed, NA - Data Not available													
U - Not Detected, J - Estimated													
(1) Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.													

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

[illegible]

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

Analyte (units)	Monitoring Requirements				Effluent 12/3/2014	Effluent 12/4/2014	Effluent 12/5/2014	Effluent 12/8/2014	Effluent 12/11/2014	Effluent 12/12/2014	Effluent 12/15/2014	Effluent 12/16/2014	Effluent 12/17/2014
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type									
Flow (GPD)	Monitor	150000	Continuous	Meter	6306	6230	6170	6163	6309	6355	6253	6220	6269
pH (SU)	6.5-8.5		2/Week	Grab	7.27	7.29	7.29	7.28	7.17	7.18	7.28	7.15	7.17
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	---	---	---	---	4.0 U	---	4.0 U	---	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	---	---	---	695	---	682	---	---
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	---	1 U	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	---	1 U	---	---
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	---	---	---	---	---	---	1 U	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	---	1 U	---	---
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	---	1 U	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	---	---	---	---	---	1 U	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	---	1 U	---	---
Notes:													
- Not analyzed, NA - Data Not available													
U - Not Detected, J - Estimated													
(1) Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.													

Table 1
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: 480-68414-1

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:

10/9/2014 12:36:34 PM

Sally Hoffman, Project Management Assistant I

(716)504-9839

sally.hoffman@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@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: 480-68414-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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: 480-68414-1

Job ID: 480-68414-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-68414-1

Receipt

The sample was received on 10/2/2014 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 480-68414-1

Client Sample ID: Effluent

Lab Sample ID: 480-68414-1

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

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: 480-68414-1

Client Sample ID: Effluent

Date Collected: 10/01/14 06:30

Date Received: 10/02/14 01:00

Lab Sample ID: 480-68414-1

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	—		10/06/14 07:31	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		10/03/14 11:39	1

QC Sample Results

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

TestAmerica Job ID: 480-68414-1

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

Lab Sample ID: MB 480-205907/1

Matrix: Water

Analysis Batch: 205907

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		4.0	4.0	mg/L			10/03/14 11:11	1

Lab Sample ID: LCS 480-205907/2

Matrix: Water

Analysis Batch: 205907

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	257	244.4		mg/L		95	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-206119/1

Matrix: Water

Analysis Batch: 206119

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			10/06/14 07:31	1

Lab Sample ID: LCS 480-206119/2

Matrix: Water

Analysis Batch: 206119

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	505	479.0		mg/L		95	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-68414-1

General Chemistry

Analysis Batch: 205907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68414-1	Effluent	Total/NA	Water	SM 2540D	
LCS 480-205907/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-205907/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 206119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68414-1	Effluent	Total/NA	Water	SM2540 C	
LCS 480-206119/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-206119/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-68414-1

Client Sample ID: Effluent
Date Collected: 10/01/14 06:30
Date Received: 10/02/14 01:00

Lab Sample ID: 480-68414-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	205907	10/03/14 11:39	KJ1	TAL BUF
Total/NA	Analysis	SM2540 C		1	206119	10/06/14 07:31	VAJ	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: 480-68414-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-68414-1

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: 480-68414-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-68414-1	Effluent	Water	10/01/14 06:30	10/02/14 01:00

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Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-68414-1

Login Number: 68414

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-68781-1

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:

10/17/2014 5:42:00 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-68781-1

Qualifiers

Metals

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: 480-68781-1

Job ID: 480-68781-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-68781-1

Receipt

The samples were received on 10/8/2014 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS VOA

Method(s) 8260C: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: (480-68781-3 MS), (480-68781-3 MSD), Influent (480-68781-3). 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

Method(s) 6010C: The method blank for batch 480-206760 contained total zinc above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples Effluent (480-68781-4), Influent (480-68781-5) was not performed.

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: 480-68781-1

Client Sample ID: Effluent

Lab Sample ID: 480-68781-1

No Detections.

Client Sample ID: Between Carbons

Lab Sample ID: 480-68781-2

No Detections.

Client Sample ID: Influent

Lab Sample ID: 480-68781-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	360		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: Effluent

Lab Sample ID: 480-68781-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0077	J B	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	704		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: Influent

Lab Sample ID: 480-68781-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0091	J B	0.010	0.0015	mg/L	1		6010C	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: 480-68781-1

Client Sample ID: Effluent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-1

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			10/17/14 03:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/17/14 03:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/17/14 03:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/17/14 03:31	1
Toluene	ND		1.0	0.51	ug/L			10/17/14 03:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/17/14 03:31	1
Trichloroethene	ND		1.0	0.46	ug/L			10/17/14 03:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		10/17/14 03:31	1
4-Bromofluorobenzene (Surr)	91		73 - 120		10/17/14 03:31	1
Toluene-d8 (Surr)	96		71 - 126		10/17/14 03:31	1
Dibromofluoromethane (Surr)	97		60 - 140		10/17/14 03:31	1

Client Sample ID: Between Carbons

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-2

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			10/17/14 03:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/17/14 03:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/17/14 03:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/17/14 03:53	1
Toluene	ND		1.0	0.51	ug/L			10/17/14 03:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/17/14 03:53	1
Trichloroethene	ND		1.0	0.46	ug/L			10/17/14 03:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		10/17/14 03:53	1
4-Bromofluorobenzene (Surr)	90		73 - 120		10/17/14 03:53	1
Toluene-d8 (Surr)	96		71 - 126		10/17/14 03:53	1
Dibromofluoromethane (Surr)	97		60 - 140		10/17/14 03:53	1

Client Sample ID: Influent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/17/14 04:15	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			10/17/14 04:15	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/17/14 04:15	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/17/14 04:15	5
Toluene	ND		5.0	2.6	ug/L			10/17/14 04:15	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/17/14 04:15	5
Trichloroethene	360		5.0	2.3	ug/L			10/17/14 04:15	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		10/17/14 04:15	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-68781-1

Client Sample ID: Influent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-3

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		73 - 120		10/17/14 04:15	5
Toluene-d8 (Surr)	96		71 - 126		10/17/14 04:15	5
Dibromofluoromethane (Surr)	95		60 - 140		10/17/14 04:15	5

Client Sample ID: Effluent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-4

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0077	J B	0.010	0.0015	mg/L	—	10/09/14 06:50	10/09/14 17:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	10/09/14 09:10	10/09/14 14:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	704		10.0	4.0	mg/L	—		10/13/14 00:14	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		10/09/14 02:41	1

Client Sample ID: Influent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-5

Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0091	J B	0.010	0.0015	mg/L	—	10/09/14 06:50	10/09/14 18:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L	—	10/09/14 09:10	10/09/14 14:24	1

Surrogate Summary

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

TestAmerica Job ID: 480-68781-1

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 (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-68781-1	Effluent	101	91	96	97
480-68781-2	Between Carbons	102	90	96	97
480-68781-3	Influent	98	91	96	95
480-68781-3 MS	Influent	95	92	97	96
480-68781-3 MSD	Influent	98	94	99	97
LCS 480-208254/5	Lab Control Sample	97	94	98	97
MB 480-208254/27	Method Blank	98	94	98	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: 480-68781-1

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

Lab Sample ID: MB 480-208254/27

Matrix: Water

Analysis Batch: 208254

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			10/16/14 22:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/16/14 22:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/16/14 22:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/16/14 22:06	1
Toluene	ND		1.0	0.51	ug/L			10/16/14 22:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/16/14 22:06	1
Trichloroethene	ND		1.0	0.46	ug/L			10/16/14 22:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		10/16/14 22:06	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/16/14 22:06	1
Toluene-d8 (Surr)	98		71 - 126		10/16/14 22:06	1
Dibromofluoromethane (Surr)	99		60 - 140		10/16/14 22:06	1

Lab Sample ID: LCS 480-208254/5

Matrix: Water

Analysis Batch: 208254

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	74 - 124
Tetrachloroethene	25.0	25.3		ug/L		101	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
Trichloroethene	25.0	26.6		ug/L		106	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	98		71 - 126
Dibromofluoromethane (Surr)	97		60 - 140

Lab Sample ID: 480-68781-3 MS

Matrix: Water

Analysis Batch: 208254

Client Sample ID: Influent

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	ND		125	136		ug/L		108	74 - 124
Tetrachloroethene	ND		125	129		ug/L		103	74 - 122
Toluene	ND		125	134		ug/L		107	80 - 122
trans-1,2-Dichloroethene	ND		125	124		ug/L		99	73 - 127
Trichloroethene	360		125	458		ug/L		81	74 - 123

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
4-Bromofluorobenzene (Surr)	92		73 - 120
Toluene-d8 (Surr)	97		71 - 126
Dibromofluoromethane (Surr)	96		60 - 140

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-68781-1

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

Lab Sample ID: 480-68781-3 MSD

Matrix: Water

Analysis Batch: 208254

Client Sample ID: Influent

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	ND		125	135		ug/L		108	74 - 124	1	15
Tetrachloroethene	ND		125	127		ug/L		101	74 - 122	2	20
Toluene	ND		125	131		ug/L		105	80 - 122	2	15
trans-1,2-Dichloroethene	ND		125	125		ug/L		100	73 - 127	1	20
Trichloroethene	360		125	453		ug/L		77	74 - 123	1	16

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	99		71 - 126
Dibromofluoromethane (Surr)	97		60 - 140

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-206760/1-A

Matrix: Water

Analysis Batch: 207044

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 206760

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.00401	J	0.010	0.0015	mg/L		10/09/14 06:50	10/09/14 16:53	1

Lab Sample ID: LCS 480-206760/2-A

Matrix: Water

Analysis Batch: 207044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206760

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.201	0.212		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-206788/1-A

Matrix: Water

Analysis Batch: 207016

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 206788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/09/14 09:10	10/09/14 14:19	1

Lab Sample ID: LCS 480-206788/2-A

Matrix: Water

Analysis Batch: 207016

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 206788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00680		mg/L		102	80 - 120

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-68781-1

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

Lab Sample ID: MB 480-206739/1

Matrix: Water

Analysis Batch: 206739

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		4.0	4.0	mg/L			10/09/14 02:41	1

Lab Sample ID: LCS 480-206739/2

Matrix: Water

Analysis Batch: 206739

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	247.6		mg/L		93	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-207341/1

Matrix: Water

Analysis Batch: 207341

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			10/13/14 00:14	1

Lab Sample ID: LCS 480-207341/2

Matrix: Water

Analysis Batch: 207341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	512.0		mg/L		102	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-68781-1

GC/MS VOA

Analysis Batch: 208254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68781-1	Effluent	Total/NA	Water	8260C	
480-68781-2	Between Carbons	Total/NA	Water	8260C	
480-68781-3	Influent	Total/NA	Water	8260C	
480-68781-3 MS	Influent	Total/NA	Water	8260C	
480-68781-3 MSD	Influent	Total/NA	Water	8260C	
LCS 480-208254/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-208254/27	Method Blank	Total/NA	Water	8260C	

Metals

Prep Batch: 206760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68781-4	Effluent	Total/NA	Water	3005A	
480-68781-5	Influent	Total/NA	Water	3005A	
LCS 480-206760/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-206760/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 206788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68781-4	Effluent	Total/NA	Water	7470A	
480-68781-5	Influent	Total/NA	Water	7470A	
LCS 480-206788/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-206788/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 207016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68781-4	Effluent	Total/NA	Water	7470A	206788
480-68781-5	Influent	Total/NA	Water	7470A	206788
LCS 480-206788/2-A	Lab Control Sample	Total/NA	Water	7470A	206788
MB 480-206788/1-A	Method Blank	Total/NA	Water	7470A	206788

Analysis Batch: 207044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68781-4	Effluent	Total/NA	Water	6010C	206760
480-68781-5	Influent	Total/NA	Water	6010C	206760
LCS 480-206760/2-A	Lab Control Sample	Total/NA	Water	6010C	206760
MB 480-206760/1-A	Method Blank	Total/NA	Water	6010C	206760

General Chemistry

Analysis Batch: 206739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68781-4	Effluent	Total/NA	Water	SM 2540D	
LCS 480-206739/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-206739/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 207341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-68781-4	Effluent	Total/NA	Water	SM2540 C	
LCS 480-207341/2	Lab Control Sample	Total/NA	Water	SM2540 C	

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-68781-1

General Chemistry (Continued)

Analysis Batch: 207341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-207341/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-68781-1

Client Sample ID: Effluent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	208254	10/17/14 03:31	EDB	TAL BUF

Client Sample ID: Between Carbons

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	208254	10/17/14 03:53	EDB	TAL BUF

Client Sample ID: Influent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	208254	10/17/14 04:15	EDB	TAL BUF

Client Sample ID: Effluent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			206760	10/09/14 06:50	SLB	TAL BUF
Total/NA	Analysis	6010C		1	207044	10/09/14 17:59	AMH	TAL BUF
Total/NA	Prep	7470A			206788	10/09/14 09:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	207016	10/09/14 14:23	LRK	TAL BUF
Total/NA	Analysis	SM 2540D		1	206739	10/09/14 02:41	VAJ	TAL BUF
Total/NA	Analysis	SM2540 C		1	207341	10/13/14 00:14	VAJ	TAL BUF

Client Sample ID: Influent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

Lab Sample ID: 480-68781-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			206760	10/09/14 06:50	SLB	TAL BUF
Total/NA	Analysis	6010C		1	207044	10/09/14 18:02	AMH	TAL BUF
Total/NA	Prep	7470A			206788	10/09/14 09:10	LRK	TAL BUF
Total/NA	Analysis	7470A		1	207016	10/09/14 14:24	LRK	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: 480-68781-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-68781-1

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: 480-68781-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-68781-1	Effluent	Water	10/07/14 11:55	10/08/14 01:30
480-68781-2	Between Carbons	Water	10/07/14 11:55	10/08/14 01:30
480-68781-3	Influent	Water	10/07/14 11:55	10/08/14 01:30
480-68781-4	Effluent	Water	10/07/14 11:55	10/08/14 01:30
480-68781-5	Influent	Water	10/07/14 11:55	10/08/14 01:30

[illegible]

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-68781-1

Login Number: 68781

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-69169-1

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:

10/21/2014 11:26:33 AM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-69169-1

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: 480-69169-1

Job ID: 480-69169-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-69169-1

Receipt

The sample was received on 10/14/2014 12:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° 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: 480-69169-1

Client Sample ID: Effluent

Lab Sample ID: 480-69169-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	800		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: 480-69169-1

Client Sample ID: Effluent

Date Collected: 10/13/14 07:15

Date Received: 10/14/14 00:30

Lab Sample ID: 480-69169-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	800		10.0	4.0	mg/L	—		10/15/14 23:57	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		10/15/14 11:48	1

QC Sample Results

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

TestAmerica Job ID: 480-69169-1

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

Lab Sample ID: MB 480-207714/1

Matrix: Water

Analysis Batch: 207714

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		4.0	4.0	mg/L			10/15/14 11:13	1

Lab Sample ID: LCS 480-207714/2

Matrix: Water

Analysis Batch: 207714

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	264	258.4		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-208014/1

Matrix: Water

Analysis Batch: 208014

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			10/15/14 23:57	1

Lab Sample ID: LCS 480-208014/2

Matrix: Water

Analysis Batch: 208014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	514.0		mg/L		102	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-69169-1

General Chemistry

Analysis Batch: 207714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69169-1	Effluent	Total/NA	Water	SM 2540D	
LCS 480-207714/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-207714/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 208014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69169-1	Effluent	Total/NA	Water	SM2540 C	
LCS 480-208014/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-208014/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-69169-1

Client Sample ID: Effluent

Date Collected: 10/13/14 07:15

Date Received: 10/14/14 00:30

Lab Sample ID: 480-69169-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	207714	10/15/14 11:48	JMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	208014	10/15/14 23:57	JMB	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: 480-69169-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-69169-1

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: 480-69169-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-69169-1	Effluent	Water	10/13/14 07:15	10/14/14 00:30

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-69169-1

Login Number: 69169

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-69696-1

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:

11/4/2014 11:17:42 AM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-69696-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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: 480-69696-1

Job ID: 480-69696-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-69696-1

Receipt

The samples were received on 10/21/2014 2:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° 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: 480-69696-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-69696-1

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

Client Sample ID: EFFLUENT

Lab Sample ID: 480-69696-2

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: 480-69696-1

Client Sample ID: EFFLUENT

Date Collected: 10/20/14 07:00

Date Received: 10/21/14 02:10

Lab Sample ID: 480-69696-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	702		10.0	4.0	mg/L			10/24/14 10:10	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/14 10:51	1

Client Sample ID: EFFLUENT

Date Collected: 10/20/14 07:00

Date Received: 10/21/14 02:10

Lab Sample ID: 480-69696-2

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			10/31/14 15:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/31/14 15:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/31/14 15:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/31/14 15:47	1
Toluene	ND		1.0	0.51	ug/L			10/31/14 15:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/31/14 15:47	1
Trichloroethene	ND		1.0	0.46	ug/L			10/31/14 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137					10/31/14 15:47	1
4-Bromofluorobenzene (Surr)	103		73 - 120					10/31/14 15:47	1
Toluene-d8 (Surr)	91		71 - 126					10/31/14 15:47	1
Dibromofluoromethane (Surr)	106		60 - 140					10/31/14 15:47	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-69696-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-69696-2	EFFLUENT	103	103	91	106
LCS 480-211272/6	Lab Control Sample	101	108	94	101
MB 480-211272/8	Method Blank	103	106	94	104

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: 480-69696-1

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

Lab Sample ID: MB 480-211272/8

Matrix: Water

Analysis Batch: 211272

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			10/31/14 14:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/31/14 14:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/31/14 14:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/31/14 14:39	1
Toluene	ND		1.0	0.51	ug/L			10/31/14 14:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/31/14 14:39	1
Trichloroethene	ND		1.0	0.46	ug/L			10/31/14 14:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		66 - 137		10/31/14 14:39	1
4-Bromofluorobenzene (Surr)	106		73 - 120		10/31/14 14:39	1
Toluene-d8 (Surr)	94		71 - 126		10/31/14 14:39	1
Dibromofluoromethane (Surr)	104		60 - 140		10/31/14 14:39	1

Lab Sample ID: LCS 480-211272/6

Matrix: Water

Analysis Batch: 211272

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
Tetrachloroethene	25.0	23.4		ug/L		94	74 - 122
Toluene	25.0	22.8		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
Trichloroethene	25.0	24.3		ug/L		97	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	94		71 - 126
Dibromofluoromethane (Surr)	101		60 - 140

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

Lab Sample ID: MB 480-209029/1

Matrix: Water

Analysis Batch: 209029

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		4.0	4.0	mg/L			10/21/14 10:51	1

Lab Sample ID: LCS 480-209029/2

Matrix: Water

Analysis Batch: 209029

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	247.2		mg/L		96	88 - 110

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-69696-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-209825/1

Matrix: Water

Analysis Batch: 209825

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			10/24/14 10:10	1

Lab Sample ID: LCS 480-209825/2

Matrix: Water

Analysis Batch: 209825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	495.0		mg/L		99	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-69696-1

GC/MS VOA

Analysis Batch: 211272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69696-2	EFFLUENT	Total/NA	Water	8260C	
LCS 480-211272/6	Lab Control Sample	Total/NA	Water	8260C	
MB 480-211272/8	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 209029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69696-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-209029/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-209029/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 209825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69696-1	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-209825/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-209825/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-69696-1

Client Sample ID: EFFLUENT

Date Collected: 10/20/14 07:00

Date Received: 10/21/14 02:10

Lab Sample ID: 480-69696-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	209029	10/21/14 10:51	JMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	209825	10/24/14 10:10	JMB	TAL BUF

Client Sample ID: EFFLUENT

Date Collected: 10/20/14 07:00

Date Received: 10/21/14 02:10

Lab Sample ID: 480-69696-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	211272	10/31/14 15:47	NQN	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: 480-69696-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-69696-1

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: 480-69696-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-69696-1	EFFLUENT	Water	10/20/14 07:00	10/21/14 02:10
480-69696-2	EFFLUENT	Water	10/20/14 07:00	10/21/14 02:10

TestAmerica

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[illegible]

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-69696-1

Login Number: 69696

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-70193-1

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:

11/5/2014 11:54:57 AM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-70193-1

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: 480-70193-1

Job ID: 480-70193-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-70193-1

Receipt

The sample was received on 10/28/2014 2:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 480-70193-1

Client Sample ID: Effluent

Lab Sample ID: 480-70193-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	695		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: 480-70193-1

Client Sample ID: Effluent

Date Collected: 10/27/14 07:15

Date Received: 10/28/14 02:00

Lab Sample ID: 480-70193-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	695		10.0	4.0	mg/L	—		10/31/14 15:23	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		10/29/14 13:30	1

QC Sample Results

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

TestAmerica Job ID: 480-70193-1

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

Lab Sample ID: MB 480-210753/1

Matrix: Water

Analysis Batch: 210753

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		4.0	4.0	mg/L			10/29/14 12:53	1

Lab Sample ID: LCS 480-210753/2

Matrix: Water

Analysis Batch: 210753

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	225.2		mg/L		95	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-211307/1

Matrix: Water

Analysis Batch: 211307

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			10/31/14 14:50	1

Lab Sample ID: LCS 480-211307/2

Matrix: Water

Analysis Batch: 211307

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	452.0		mg/L		90	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-70193-1

General Chemistry

Analysis Batch: 210753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-70193-1	Effluent	Total/NA	Water	SM 2540D	
LCS 480-210753/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-210753/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 211307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-70193-1	Effluent	Total/NA	Water	SM2540 C	
LCS 480-211307/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-211307/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-70193-1

Client Sample ID: Effluent

Date Collected: 10/27/14 07:15

Date Received: 10/28/14 02:00

Lab Sample ID: 480-70193-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	210753	10/29/14 13:30	KS	TAL BUF
Total/NA	Analysis	SM2540 C		1	211307	10/31/14 15:23	KS	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: 480-70193-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-70193-1

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: 480-70193-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-70193-1	Effluent	Water	10/27/14 07:15	10/28/14 02:00

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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: 315-966-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Sampler: <i>Melissa Kenebeck</i> Lab P/N: Deyo, Melissa L Phone: 315-709-1300 E-Mail: melissa.deyo@testamericainc.com		Carrier Tracking No(s): COC No: 480-40022-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11312000EST WO #: 48008584 Project #: 48008584 SSOW#:		Analysis Requested			
Sample Identification Effluent		Sample Date 10-27-14	Sample Time 7:15	Sample Type (C=comp, G=grab) C	Matrix (W=water, S=solid, O=other, BT=biological, A=air) Water
Field Filtered Sample (Yes or No) 2540C - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids		Field Filtered Sample (Yes or No) 2540C - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids	Field Filtered Sample (Yes or No) 2540C - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids	Field Filtered Sample (Yes or No) 2540C - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids	Field Filtered Sample (Yes or No) 2540C - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids
Total Number of Containers 2		Special Instructions/Note: 480-70193 Chain of Custody			
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:					
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: 1, 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:		Date:		Method of Shipment:	
Relinquished by: <i>Melissa Kenebeck</i>		Date/Time: 10-27-14 / 14:05		Company: OBG	
Relinquished by: <i>Melissa Kenebeck</i>		Date/Time: 10-27-14 / 19:00		Company: Jgr	
Relinquished by:		Date/Time:		Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.2 #	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-70193-1

Login Number: 70193

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-70921-1

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:

11/23/2014 5:34:34 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-70921-1

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: 480-70921-1

Job ID: 480-70921-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-70921-1

Receipt

The samples were received on 11/7/2014 1:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6° 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: 480-70921-1

Client Sample ID: Effluent

Lab Sample ID: 480-70921-1

No Detections.

Client Sample ID: Between Carbons

Lab Sample ID: 480-70921-2

No Detections.

Client Sample ID: Effluent

Lab Sample ID: 480-70921-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	766		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: 480-70921-1

Client Sample ID: Effluent

Date Collected: 11/06/14 07:30

Date Received: 11/07/14 01:45

Lab Sample ID: 480-70921-1

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			11/17/14 15:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/14 15:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/14 15:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/14 15:20	1
Toluene	ND		1.0	0.51	ug/L			11/17/14 15:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/14 15:20	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/14 15:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		66 - 137		11/17/14 15:20	1
4-Bromofluorobenzene (Surr)	101		73 - 120		11/17/14 15:20	1
Toluene-d8 (Surr)	104		71 - 126		11/17/14 15:20	1
Dibromofluoromethane (Surr)	103		60 - 140		11/17/14 15:20	1

Client Sample ID: Between Carbons

Date Collected: 11/06/14 07:30

Date Received: 11/07/14 01:45

Lab Sample ID: 480-70921-2

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			11/17/14 15:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/14 15:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/14 15:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/14 15:44	1
Toluene	ND		1.0	0.51	ug/L			11/17/14 15:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/14 15:44	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/14 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		66 - 137		11/17/14 15:44	1
4-Bromofluorobenzene (Surr)	100		73 - 120		11/17/14 15:44	1
Toluene-d8 (Surr)	102		71 - 126		11/17/14 15:44	1
Dibromofluoromethane (Surr)	103		60 - 140		11/17/14 15:44	1

Client Sample ID: Effluent

Date Collected: 11/06/14 07:30

Date Received: 11/07/14 01:45

Lab Sample ID: 480-70921-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	766		10.0	4.0	mg/L			11/13/14 05:02	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/13/14 18:08	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-70921-1

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 (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-70921-1	Effluent	104	101	104	103
480-70921-2	Between Carbons	105	100	102	103
LCS 480-214428/6	Lab Control Sample	94	100	104	98
MB 480-214428/8	Method Blank	101	101	105	101

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: 480-70921-1

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

Lab Sample ID: MB 480-214428/8

Matrix: Water

Analysis Batch: 214428

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			11/17/14 12:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/14 12:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/14 12:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/14 12:16	1
Toluene	ND		1.0	0.51	ug/L			11/17/14 12:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/14 12:16	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/14 12:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		66 - 137		11/17/14 12:16	1
4-Bromofluorobenzene (Surr)	101		73 - 120		11/17/14 12:16	1
Toluene-d8 (Surr)	105		71 - 126		11/17/14 12:16	1
Dibromofluoromethane (Surr)	101		60 - 140		11/17/14 12:16	1

Lab Sample ID: LCS 480-214428/6

Matrix: Water

Analysis Batch: 214428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122
Toluene	25.0	24.6		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	73 - 127
Trichloroethene	25.0	22.3		ug/L		89	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	104		71 - 126
Dibromofluoromethane (Surr)	98		60 - 140

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

Lab Sample ID: MB 480-213980/1

Matrix: Water

Analysis Batch: 213980

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		4.0	4.0	mg/L			11/13/14 18:08	1

Lab Sample ID: LCS 480-213980/2

Matrix: Water

Analysis Batch: 213980

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	242	230.8		mg/L		96	88 - 110

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-70921-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-213773/1

Matrix: Water

Analysis Batch: 213773

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			11/13/14 05:02	1

Lab Sample ID: LCS 480-213773/2

Matrix: Water

Analysis Batch: 213773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	547.0		mg/L		109	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-70921-1

GC/MS VOA

Analysis Batch: 214428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-70921-1	Effluent	Total/NA	Water	8260C	
480-70921-2	Between Carbons	Total/NA	Water	8260C	
LCS 480-214428/6	Lab Control Sample	Total/NA	Water	8260C	
MB 480-214428/8	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 213773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-70921-3	Effluent	Total/NA	Water	SM2540 C	
LCS 480-213773/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-213773/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 213980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-70921-3	Effluent	Total/NA	Water	SM 2540D	
LCS 480-213980/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-213980/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-70921-1

Client Sample ID: Effluent

Date Collected: 11/06/14 07:30

Date Received: 11/07/14 01:45

Lab Sample ID: 480-70921-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	214428	11/17/14 15:20	CXM	TAL BUF

Client Sample ID: Between Carbons

Date Collected: 11/06/14 07:30

Date Received: 11/07/14 01:45

Lab Sample ID: 480-70921-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	214428	11/17/14 15:44	CXM	TAL BUF

Client Sample ID: Effluent

Date Collected: 11/06/14 07:30

Date Received: 11/07/14 01:45

Lab Sample ID: 480-70921-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	213980	11/13/14 18:08	JMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	213773	11/13/14 05:02	VAJ	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: 480-70921-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-70921-1

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: 480-70921-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-70921-1	Effluent	Water	11/06/14 07:30	11/07/14 01:45
480-70921-2	Between Carbons	Water	11/06/14 07:30	11/07/14 01:45
480-70921-3	Effluent	Water	11/06/14 07:30	11/07/14 01:45

Chain of Custody Record

Client Information Client Contact: Mr. Yurt 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: Yurt.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Sampler: <i>MARTIN KRENNKE</i> Lab P.M.: Deyo, Melissa L Phone: 315-789-1300 E-Mail: melissa.deyo@testamericainc.com		Carrier Tracking No(s): COC No: 480-39986-10588.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11312000EST WO #: 48008584 Project #: 48008584 SSOW#:		Analysis Requested 2540D - Total Suspended Solids 2540C - Total Dissolved Solids 8260C - Volatile Organic Compounds Total Number of Containers:			
Sample Identification Effluent Between Carbons Effluent		Sample Date 11-6-14 11-6-14 11-6-14	Sample Time 7:30 7:30 7:30	Sample Type (C=Comp, G=grab) G G C	Matrix (V=water, S=solid, O=wastewater, BT=Tissue, A=Air) Water Water water
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:		Method of Shipment:			
Relinquished by: <i>Martin Krennke</i> Date/Time: 11-6-14 / 11:20 Company: OBG		Received by: <i>REAGAN</i> Date/Time: 11-6-14 / 11:20 Company: Jyr			
Relinquished by: <i>REAGAN</i> Date/Time: 11-6-14 / 19:00 Company: Jyr		Received by: <i>REAGAN</i> Date/Time: 11-6-14 / 19:00 Company: Jyr			
Relinquished by:		Received by:			
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 31.0 #1			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-70921-1

Login Number: 70921

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-71380-1

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:

11/23/2014 6:53:37 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-71380-1

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: 480-71380-1

Job ID: 480-71380-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-71380-1

Receipt

The sample was received on 11/14/2014 2:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6° 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: 480-71380-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-71380-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	687		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: 480-71380-1

Client Sample ID: EFFLUENT

Date Collected: 11/13/14 07:30

Date Received: 11/14/14 02:00

Lab Sample ID: 480-71380-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	687		10.0	4.0	mg/L	—		11/19/14 15:38	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		11/20/14 12:29	1

QC Sample Results

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

TestAmerica Job ID: 480-71380-1

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

Lab Sample ID: MB 480-215066/1

Matrix: Water

Analysis Batch: 215066

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		4.0	4.0	mg/L			11/20/14 11:00	1

Lab Sample ID: LCS 480-215066/2

Matrix: Water

Analysis Batch: 215066

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	258	254.8		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-214954/1

Matrix: Water

Analysis Batch: 214954

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			11/19/14 15:38	1

Lab Sample ID: LCS 480-214954/2

Matrix: Water

Analysis Batch: 214954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	482.0		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: 480-71380-1

General Chemistry

Analysis Batch: 214954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-71380-1	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-214954/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-214954/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 215066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-71380-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-215066/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-215066/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-71380-1

Client Sample ID: EFFLUENT

Date Collected: 11/13/14 07:30

Date Received: 11/14/14 02:00

Lab Sample ID: 480-71380-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	215066	11/20/14 12:29	RP	TAL BUF
Total/NA	Analysis	SM2540 C		1	214954	11/19/14 15:38	RP	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: 480-71380-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-71380-1

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: 480-71380-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71380-1	EFFLUENT	Water	11/13/14 07:30	11/14/14 02:00

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Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Phone: 315-789-1300 E-Mail: melissa.deyo@testamericainc.com		Lab PMT: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com		Carrier Tracking No(s): COC No: 480-40030-10586.1 Page: Page 1 of 1 Job #:	
Analysis Requested					
Due Date Requested: TAT Requested (days): PO #: 11312000EST WO #: 48008584 Project #: 48008584 SSOW#:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
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:		Total Number of Containers: 2 Special Instructions/Note:			
Sample Identification Sample Date: 11-13-14 Sample Time: 730 Sample Type: C Matrix: (W=water, S=solid, O=wast/oil, BT=Tissue, A=Air) Preservation Code:		Field Filtered Sample (Yes or No) X Perform MS/MSD (Yes or No) N 2640D - Total Suspended Solids N 2640C - Total Dissolved Solids N			
Sample Identification Effluent		480-71380 Chain of Custody			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: Alita Kermahne Date/Time: 11-13-14 / 9:25 Company: OBG		Received by: [Signature] Date/Time: 11-13-14 / 9:25 Company: OBG			
Relinquished by: [Signature] Date/Time: 11-13-14 / 9:25 Company: [Signature]		Received by: [Signature] Date/Time: 11-14-14 / 0200 Company: IFA			
Relinquished by: [Signature] Date/Time: 11-14-14 / 11:14 Company: [Signature]		Received by: [Signature] Date/Time: 11-14-14 / 0200 Company: IFA			
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 160 #1			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-71380-1

Login Number: 71380

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-71540-1

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:

11/28/2014 2:35:57 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-71540-1

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: 480-71540-1

Job ID: 480-71540-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-71540-1

Receipt

The samples were received on 11/18/2014 2:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° 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: 480-71540-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-71540-1

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

Client Sample ID: EFFLUENT

Lab Sample ID: 480-71540-2

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: 480-71540-1

Client Sample ID: EFFLUENT

Date Collected: 11/17/14 07:30

Date Received: 11/18/14 02:40

Lab Sample ID: 480-71540-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	721		10.0	4.0	mg/L			11/21/14 04:56	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/20/14 23:08	1

Client Sample ID: EFFLUENT

Date Collected: 11/17/14 07:30

Date Received: 11/18/14 02:40

Lab Sample ID: 480-71540-2

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			11/26/14 04:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/26/14 04:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/26/14 04:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/26/14 04:46	1
Toluene	ND		1.0	0.51	ug/L			11/26/14 04:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/26/14 04:46	1
Trichloroethene	ND		1.0	0.46	ug/L			11/26/14 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 137					11/26/14 04:46	1
4-Bromofluorobenzene (Surr)	102		73 - 120					11/26/14 04:46	1
Toluene-d8 (Surr)	97		71 - 126					11/26/14 04:46	1
Dibromofluoromethane (Surr)	117		60 - 140					11/26/14 04:46	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-71540-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DCE (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-71540-2	EFFLUENT	113	102	97	117
LCS 480-216008/4	Lab Control Sample	105	102	97	108
MB 480-216008/6	Method Blank	107	100	98	109

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: 480-71540-1

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

Lab Sample ID: MB 480-216008/6

Matrix: Water

Analysis Batch: 216008

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			11/26/14 01:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/26/14 01:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/26/14 01:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/26/14 01:17	1
Toluene	ND		1.0	0.51	ug/L			11/26/14 01:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/26/14 01:17	1
Trichloroethene	ND		1.0	0.46	ug/L			11/26/14 01:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 137		11/26/14 01:17	1
4-Bromofluorobenzene (Surr)	100		73 - 120		11/26/14 01:17	1
Toluene-d8 (Surr)	98		71 - 126		11/26/14 01:17	1
Dibromofluoromethane (Surr)	109		60 - 140		11/26/14 01:17	1

Lab Sample ID: LCS 480-216008/4

Matrix: Water

Analysis Batch: 216008

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	27.6		ug/L		110	74 - 124
Tetrachloroethene	25.0	26.6		ug/L		106	74 - 122
Toluene	25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	27.6		ug/L		110	73 - 127
Trichloroethene	25.0	27.7		ug/L		111	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	97		71 - 126
Dibromofluoromethane (Surr)	108		60 - 140

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

Lab Sample ID: MB 480-215157/1

Matrix: Water

Analysis Batch: 215157

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		4.0	4.0	mg/L			11/20/14 23:08	1

Lab Sample ID: LCS 480-215157/2

Matrix: Water

Analysis Batch: 215157

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	215.2		mg/L		90	88 - 110

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-71540-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-215177/1

Matrix: Water

Analysis Batch: 215177

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			11/21/14 04:56	1

Lab Sample ID: LCS 480-215177/2

Matrix: Water

Analysis Batch: 215177

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	510.0		mg/L		102	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-71540-1

GC/MS VOA

Analysis Batch: 216008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-71540-2	EFFLUENT	Total/NA	Water	8260C	
LCS 480-216008/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-216008/6	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 215157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-71540-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-215157/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-215157/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 215177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-71540-1	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-215177/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-215177/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-71540-1

Client Sample ID: EFFLUENT

Date Collected: 11/17/14 07:30

Date Received: 11/18/14 02:40

Lab Sample ID: 480-71540-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	215157	11/20/14 23:08	VAJ	TAL BUF
Total/NA	Analysis	SM2540 C		1	215177	11/21/14 04:56	VAJ	TAL BUF

Client Sample ID: EFFLUENT

Date Collected: 11/17/14 07:30

Date Received: 11/18/14 02:40

Lab Sample ID: 480-71540-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	216008	11/26/14 04:46	RAS	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-71540-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-71540-1

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: 480-71540-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71540-1	EFFLUENT	Water	11/17/14 07:30	11/18/14 02:40
480-71540-2	EFFLUENT	Water	11/17/14 07:30	11/18/14 02:40

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:		Sampler: <i>Martin Kornicke</i> Lab PM: Deyo, Melissa L Phone: 315-729-1300 E-Mail: melissa.deyo@testamericainc.com		Carrier Tracking No(s): 480-40016-10587.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11312000EST WC #: Project #: 48008584 SSOW#:		Analysis Requested Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> A 2540D - Total Suspended Solids <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> A 2540C - Calcd - Total Dissolved Solids <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> A 8260C - Volatile Organic Compounds <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> A Total Number of Containers: <input checked="" type="checkbox"/> X			
Sample Identification Effluent Sample Date 11-17-14 Sample Time 7:30 Sample Type (C=comp, G=grab) C Preservation Code: Water Matrix (W=water, S=solid, O=oil, BT=tissue, A=air) Water		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 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) Other:			
Special Instructions/Note: 480-71540 Chain of Custody		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			
Empty Kit Relinquished by:		Special Instructions/QC Requirements:			
Relinquished by: <i>Martin Kornicke</i> Date/Time: 11-17-14 / 12:10 Company: OBG		Received by: <i>Martin Kornicke</i> Date/Time: 11-17-14 / 12:10 Company: SYP			
Relinquished by: <i>RE-191114</i> Date/Time: 11-17-14 / 19:00 Company: SYP		Received by: <i>Yuri Veliz</i> Date/Time: 11-18-14 / 02:40 Company: FA			
Relinquished by:		Received by:			
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 1.4#			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-71540-1

Login Number: 71540

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-71922-1

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:

12/1/2014 12:47:04 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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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: 480-71922-1

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: 480-71922-1

Job ID: 480-71922-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-71922-1

Receipt

The sample was received on 11/25/2014 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6° 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: 480-71922-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-71922-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	711		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: 480-71922-1

Client Sample ID: EFFLUENT

Date Collected: 11/24/14 07:15

Date Received: 11/25/14 09:00

Lab Sample ID: 480-71922-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	711		10.0	4.0	mg/L	—		11/26/14 22:41	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		11/26/14 10:34	1

QC Sample Results

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

TestAmerica Job ID: 480-71922-1

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

Lab Sample ID: MB 480-216145/1

Matrix: Water

Analysis Batch: 216145

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		4.0	4.0	mg/L	-		11/26/14 10:34	1

Lab Sample ID: LCS 480-216145/2

Matrix: Water

Analysis Batch: 216145

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	236.8		mg/L	-	99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-216251/1

Matrix: Water

Analysis Batch: 216251

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	-		11/26/14 22:41	1

Lab Sample ID: LCS 480-216251/2

Matrix: Water

Analysis Batch: 216251

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	496.0		mg/L	-	98	85 - 115

Lab Sample ID: 480-71922-1 DU

Matrix: Water

Analysis Batch: 216251

Client Sample ID: EFFLUENT

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	711		720.0		mg/L	-	1	20

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-71922-1

General Chemistry

Analysis Batch: 216145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-71922-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-216145/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-216145/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 216251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-71922-1	EFFLUENT	Total/NA	Water	SM2540 C	
480-71922-1 DU	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-216251/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-216251/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-71922-1

Client Sample ID: EFFLUENT

Date Collected: 11/24/14 07:15

Date Received: 11/25/14 09:00

Lab Sample ID: 480-71922-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	216145	11/26/14 10:34	RP	TAL BUF
Total/NA	Analysis	SM2540 C		1	216251	11/26/14 22:41	JMB	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: 480-71922-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-71922-1

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: 480-71922-1


Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-71922-1	EFFLUENT	Water	11/24/14 07:15	11/25/14 09:00

TestAmerica Syracuse

118 Boss Rd
Syracuse, NY 13211
Phone (315) 431-0171 Fax (315) xxx-xxxx

Chain of Custody Record

TestAmerica

Client Information Client Contact: Mr. Yuri Veliz Phone: 315-729-1302		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com	Carrier Tracking No(s): COC No: 480-40022-10586.1 Page: Page 1 of 1 Job #:
Company: O'Brien & Gere Inc of North America Address: 333 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:		Analysis Requested Due Date Requested: TAT Requested (days): PO #: 11312000EST WO #: Project #: 48008584 SSOW#:	
Sample Identification Effluent	Sample Date: 11-24-14 Sample Time: 7:15 Sample Type (C=Comp, G=grab): C Matrix (W=Water, S=Solid, O=Organic, B=Tissue, A=Air): Water	Field Filtered Sample (Yes or No): Perform MS/MSD (Yes or No): 2540D - Total Suspended Solids: N 2540C - Calcd - Total Dissolved Solids: N	Total Number of Containers: 2 Special Instructions/Note:  480-71922 Chain of Custody
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <i>Yuri Veliz</i>	Date/Time: 11-24-14 / 11:25 Company: <i>OBG</i>	Relinquished by: <i>Yuri Veliz</i>	Date/Time: 11-24-14 / 10:25 Company: <i>OBG</i>
Relinquished by: <i>Yuri Veliz</i>	Date/Time: 11-24-14 / 19:02 Company: <i>OBG</i>	Relinquished by: <i>Yuri Veliz</i>	Date/Time: 11-25-14 09:00 Company: <i>OBG</i>
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 1.6 #1	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-71922-1

Login Number: 71922

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-72136-1

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:

12/12/2014 5:20:41 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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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: 480-72136-1

Qualifiers

GC/MS VOA

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

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-72136-1

Job ID: 480-72136-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-72136-1

Receipt

The samples were received on 12/2/2014 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° C.

GC/MS VOA

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

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 480-72136-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-72136-1

No Detections.

Client Sample ID: BETWEEN CARBON

Lab Sample ID: 480-72136-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.86	J	1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT

Lab Sample ID: 480-72136-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	724		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: 480-72136-1

Client Sample ID: EFFLUENT

Date Collected: 12/01/14 07:30

Date Received: 12/02/14 01:00

Lab Sample ID: 480-72136-1

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			12/10/14 13:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/14 13:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/14 13:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/14 13:51	1
Toluene	ND		1.0	0.51	ug/L			12/10/14 13:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/14 13:51	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/14 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		66 - 137		12/10/14 13:51	1
4-Bromofluorobenzene (Surr)	107		73 - 120		12/10/14 13:51	1
Toluene-d8 (Surr)	106		71 - 126		12/10/14 13:51	1
Dibromofluoromethane (Surr)	109		60 - 140		12/10/14 13:51	1

Client Sample ID: BETWEEN CARBON

Date Collected: 12/01/14 07:30

Date Received: 12/02/14 01:00

Lab Sample ID: 480-72136-2

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			12/10/14 14:13	1
cis-1,2-Dichloroethene	0.86	J	1.0	0.81	ug/L			12/10/14 14:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/14 14:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/14 14:13	1
Toluene	ND		1.0	0.51	ug/L			12/10/14 14:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/14 14:13	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/14 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		12/10/14 14:13	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/10/14 14:13	1
Toluene-d8 (Surr)	104		71 - 126		12/10/14 14:13	1
Dibromofluoromethane (Surr)	108		60 - 140		12/10/14 14:13	1

Client Sample ID: EFFLUENT

Date Collected: 12/01/14 07:30

Date Received: 12/02/14 01:00

Lab Sample ID: 480-72136-3

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	724		10.0	4.0	mg/L			12/02/14 14:58	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/03/14 11:45	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-72136-1

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 (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-72136-1	EFFLUENT	107	107	106	109
480-72136-2	BETWEEN CARBON	108	106	104	108
LCS 480-218242/5	Lab Control Sample	104	105	104	111
MB 480-218242/7	Method Blank	102	104	103	103

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: 480-72136-1

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

Lab Sample ID: MB 480-218242/7

Matrix: Water

Analysis Batch: 218242

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			12/10/14 11:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/14 11:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/14 11:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/14 11:02	1
Toluene	ND		1.0	0.51	ug/L			12/10/14 11:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/14 11:02	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/14 11:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		66 - 137		12/10/14 11:02	1
4-Bromofluorobenzene (Surr)	104		73 - 120		12/10/14 11:02	1
Toluene-d8 (Surr)	103		71 - 126		12/10/14 11:02	1
Dibromofluoromethane (Surr)	103		60 - 140		12/10/14 11:02	1

Lab Sample ID: LCS 480-218242/5

Matrix: Water

Analysis Batch: 218242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
Tetrachloroethene	25.0	23.3		ug/L		93	74 - 122
Toluene	25.0	23.0		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	21.5		ug/L		86	73 - 127
Trichloroethene	25.0	23.3		ug/L		93	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	104		71 - 126
Dibromofluoromethane (Surr)	111		60 - 140

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

Lab Sample ID: MB 480-216980/1

Matrix: Water

Analysis Batch: 216980

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		4.0	4.0	mg/L			12/03/14 11:45	1

Lab Sample ID: LCS 480-216980/2

Matrix: Water

Analysis Batch: 216980

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	261	236.4		mg/L		91	88 - 110

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-72136-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-216817/1

Matrix: Water

Analysis Batch: 216817

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			12/02/14 14:58	1

Lab Sample ID: LCS 480-216817/2

Matrix: Water

Analysis Batch: 216817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	506.0		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: 480-72136-1

GC/MS VOA

Analysis Batch: 218242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-72136-1	EFFLUENT	Total/NA	Water	8260C	
480-72136-2	BETWEEN CARBON	Total/NA	Water	8260C	
LCS 480-218242/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-218242/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 216817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-72136-3	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-216817/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-216817/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 216980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-72136-3	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-216980/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-216980/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-72136-1

Client Sample ID: EFFLUENT

Date Collected: 12/01/14 07:30

Date Received: 12/02/14 01:00

Lab Sample ID: 480-72136-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	218242	12/10/14 13:51	CXM	TAL BUF

Client Sample ID: BETWEEN CARBON

Date Collected: 12/01/14 07:30

Date Received: 12/02/14 01:00

Lab Sample ID: 480-72136-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	218242	12/10/14 14:13	CXM	TAL BUF

Client Sample ID: EFFLUENT

Date Collected: 12/01/14 07:30

Date Received: 12/02/14 01:00

Lab Sample ID: 480-72136-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	216980	12/03/14 11:45	RP	TAL BUF
Total/NA	Analysis	SM2540 C		1	216817	12/02/14 14:58	RP	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: 480-72136-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-72136-1

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: 480-72136-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-72136-1	EFFLUENT	Water	12/01/14 07:30	12/02/14 01:00
480-72136-2	BETWEEN CARBON	Water	12/01/14 07:30	12/02/14 01:00
480-72136-3	EFFLUENT	Water	12/01/14 07:30	12/02/14 01:00

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-72136-1

Login Number: 72136

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-72899-1

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:

12/19/2014 12:52:48 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-72899-1

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: 480-72899-1

Job ID: 480-72899-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-72899-1

Comments

No additional comments.

Receipt

The sample was received on 12/12/2014 4:40 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 480-72899-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-72899-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	695		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: 480-72899-1

Client Sample ID: EFFLUENT

Date Collected: 12/11/14 08:15

Date Received: 12/12/14 04:40

Lab Sample ID: 480-72899-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	695		10.0	4.0	mg/L	—		12/16/14 11:04	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		12/15/14 03:12	1

QC Sample Results

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

TestAmerica Job ID: 480-72899-1

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

Lab Sample ID: MB 480-219063/1

Matrix: Water

Analysis Batch: 219063

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		4.0	4.0	mg/L			12/15/14 03:12	1

Lab Sample ID: LCS 480-219063/2

Matrix: Water

Analysis Batch: 219063

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	259	232.4		mg/L		90	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-219404/1

Matrix: Water

Analysis Batch: 219404

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			12/16/14 11:04	1

Lab Sample ID: LCS 480-219404/2

Matrix: Water

Analysis Batch: 219404

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	458.0		mg/L		91	85 - 115

TestAmerica Buffalo

QC Association Summary

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

TestAmerica Job ID: 480-72899-1

General Chemistry

Analysis Batch: 219063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-72899-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-219063/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-219063/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 219404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-72899-1	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-219404/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-219404/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-72899-1

Client Sample ID: EFFLUENT

Date Collected: 12/11/14 08:15

Date Received: 12/12/14 04:40

Lab Sample ID: 480-72899-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	219063	12/15/14 03:12	VAJ	TAL BUF
Total/NA	Analysis	SM2540 C		1	219404	12/16/14 11:04	RP	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: 480-72899-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-72899-1

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: 480-72899-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-72899-1	EFFLUENT	Water	12/11/14 08:15	12/12/14 04:40

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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) 315-463-7564(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site: 		Sampler: Melissa L. Devo Lab PM: Melissa L. Devo E-Mail: melissa.devo@testamericainc.com Phone: 315-729-1360 		Carrier Tracking No(s): 480-40042-10586.1 Page: Page 1 of 1 Job #: 	
Analysis Requested Due Date Requested: TAT Requested (days): PO #: 11312000EST WO #: Project #: 48008584 SSOW#: 					
Sample Identification Effluent 		Sample Date 12-11-14 	Sample Time 8:15 	Sample Type (C=Comp, G=grab) C 	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=air) Water
Field Filtered Sample (Yes or No) 2540D - Total Suspended Solids 2540C - Colored - Total Dissolved Solids 		Performance MS/SP (Yes or No) 		Preservation Code: 	
Total Number of Containers 		Special Instructions/Note: 		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 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) Other: 	
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 <input type="checkbox"/> Months Special Instructions/QC Requirements: 					
Empty Kit Relinquished by: Relinquished by: Relinquished by: Relinquished by: 					
Date/Time: 12-11-14 / 11:00 		Date/Time: 12-11-14 / 19:00 		Date/Time: 12-11-14 / 11:00 	
Company: O'Brien & Gere 		Company: O'Brien & Gere 		Company: O'Brien & Gere 	
Relinquished by: Relinquished by: 		Relinquished by: Relinquished by: 		Relinquished by: Relinquished by: 	
Custody Seals Intact: Δ Yes Δ No 		Custody Seal No.: 		Cooler Temperature(s) °C and Other Remarks: 31.2 #1 	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-72899-1

Login Number: 72899

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-73056-1

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:

12/30/2014 11:45:26 AM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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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: 480-73056-1

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: 480-73056-1

Job ID: 480-73056-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-73056-1

Receipt

The samples were received on 12/16/2014 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

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 220907 recovered above the upper control limit for Vinyl Chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-220907/3).

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

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 480-73056-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-73056-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	682		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT

Lab Sample ID: 480-73056-2

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: 480-73056-1

Client Sample ID: EFFLUENT

Date Collected: 12/15/14 07:20

Date Received: 12/16/14 02:00

Lab Sample ID: 480-73056-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	682		10.0	4.0	mg/L			12/19/14 12:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/17/14 01:32	1

Client Sample ID: EFFLUENT

Date Collected: 12/15/14 07:20

Date Received: 12/16/14 02:00

Lab Sample ID: 480-73056-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/27/14 12:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/27/14 12:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/27/14 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/27/14 12:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/27/14 12:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/27/14 12:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/27/14 12:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/27/14 12:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/27/14 12:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/27/14 12:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/27/14 12:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/27/14 12:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/27/14 12:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/27/14 12:32	1
2-Hexanone	ND		5.0	1.2	ug/L			12/27/14 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/27/14 12:32	1
Acetone	ND		10	3.0	ug/L			12/27/14 12:32	1
Benzene	ND		1.0	0.41	ug/L			12/27/14 12:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/27/14 12:32	1
Bromoform	ND		1.0	0.26	ug/L			12/27/14 12:32	1
Bromomethane	ND		1.0	0.69	ug/L			12/27/14 12:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/27/14 12:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/27/14 12:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/27/14 12:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/27/14 12:32	1
Chloroethane	ND		1.0	0.32	ug/L			12/27/14 12:32	1
Chloroform	ND		1.0	0.34	ug/L			12/27/14 12:32	1
Chloromethane	ND		1.0	0.35	ug/L			12/27/14 12:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/27/14 12:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/27/14 12:32	1
Cyclohexane	ND		1.0	0.18	ug/L			12/27/14 12:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/27/14 12:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/27/14 12:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/27/14 12:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/27/14 12:32	1
Methyl acetate	ND		2.5	0.50	ug/L			12/27/14 12:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/27/14 12:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/27/14 12:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/27/14 12:32	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-73056-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-73056-2

Date Collected: 12/15/14 07:20

Matrix: Water

Date Received: 12/16/14 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			12/27/14 12:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/27/14 12:32	1
Toluene	ND		1.0	0.51	ug/L			12/27/14 12:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/27/14 12:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/27/14 12:32	1
Trichloroethene	ND		1.0	0.46	ug/L			12/27/14 12:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/27/14 12:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/27/14 12:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/27/14 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		71 - 126		12/27/14 12:32	1
1,2-Dichloroethane-d4 (Surr)	106		66 - 137		12/27/14 12:32	1
4-Bromofluorobenzene (Surr)	106		73 - 120		12/27/14 12:32	1
Dibromofluoromethane (Surr)	108		60 - 140		12/27/14 12:32	1

TestAmerica Buffalo

Surrogate Summary

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

TestAmerica Job ID: 480-73056-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-126)	12DCE (66-137)	BFB (73-120)	DBFM (60-140)
480-73056-2	EFFLUENT	104	106	106	108
LCS 480-220907/5	Lab Control Sample	105	104	108	105
MB 480-220907/7	Method Blank	102	100	104	103

Surrogate Legend

TOL = Toluene-d8 (Surr)

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

TestAmerica Job ID: 480-73056-1

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

Lab Sample ID: MB 480-220907/7

Matrix: Water

Analysis Batch: 220907

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/27/14 11:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/27/14 11:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/27/14 11:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/27/14 11:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/27/14 11:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/27/14 11:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/27/14 11:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/27/14 11:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/27/14 11:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/27/14 11:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/27/14 11:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/27/14 11:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/27/14 11:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/27/14 11:45	1
2-Hexanone	ND		5.0	1.2	ug/L			12/27/14 11:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/27/14 11:45	1
Acetone	ND		10	3.0	ug/L			12/27/14 11:45	1
Benzene	ND		1.0	0.41	ug/L			12/27/14 11:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/27/14 11:45	1
Bromoform	ND		1.0	0.26	ug/L			12/27/14 11:45	1
Bromomethane	ND		1.0	0.69	ug/L			12/27/14 11:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/27/14 11:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/27/14 11:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/27/14 11:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/27/14 11:45	1
Chloroethane	ND		1.0	0.32	ug/L			12/27/14 11:45	1
Chloroform	ND		1.0	0.34	ug/L			12/27/14 11:45	1
Chloromethane	ND		1.0	0.35	ug/L			12/27/14 11:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/27/14 11:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/27/14 11:45	1
Cyclohexane	ND		1.0	0.18	ug/L			12/27/14 11:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/27/14 11:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/27/14 11:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/27/14 11:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/27/14 11:45	1
Methyl acetate	ND		2.5	0.50	ug/L			12/27/14 11:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/27/14 11:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/27/14 11:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/27/14 11:45	1
Styrene	ND		1.0	0.73	ug/L			12/27/14 11:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/27/14 11:45	1
Toluene	ND		1.0	0.51	ug/L			12/27/14 11:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/27/14 11:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/27/14 11:45	1
Trichloroethene	ND		1.0	0.46	ug/L			12/27/14 11:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/27/14 11:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/27/14 11:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/27/14 11:45	1

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-73056-1

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

Lab Sample ID: MB 480-220907/7

Matrix: Water

Analysis Batch: 220907

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		71 - 126		12/27/14 11:45	1
1,2-Dichloroethane-d4 (Surr)	100		66 - 137		12/27/14 11:45	1
4-Bromofluorobenzene (Surr)	104		73 - 120		12/27/14 11:45	1
Dibromofluoromethane (Surr)	103		60 - 140		12/27/14 11:45	1

Lab Sample ID: LCS 480-220907/5

Matrix: Water

Analysis Batch: 220907

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	23.9		ug/L		96	71 - 129
1,1-Dichloroethene	25.0	22.8		ug/L		91	58 - 121
1,2-Dichlorobenzene	25.0	22.1		ug/L		88	80 - 124
1,2-Dichloroethane	25.0	23.1		ug/L		92	75 - 127
Benzene	25.0	23.7		ug/L		95	71 - 124
Chlorobenzene	25.0	24.0		ug/L		96	72 - 120
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
Ethylbenzene	25.0	22.0		ug/L		88	77 - 123
Methyl tert-butyl ether	25.0	23.0		ug/L		92	64 - 127
Tetrachloroethene	25.0	24.6		ug/L		99	74 - 122
Toluene	25.0	23.4		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	23.7		ug/L		95	73 - 127
Trichloroethene	25.0	23.6		ug/L		94	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		71 - 126
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Dibromofluoromethane (Surr)	105		60 - 140

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

Lab Sample ID: MB 480-219523/1

Matrix: Water

Analysis Batch: 219523

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		4.0	4.0	mg/L			12/17/14 01:32	1

Lab Sample ID: LCS 480-219523/2

Matrix: Water

Analysis Batch: 219523

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	259	236.8		mg/L		91	88 - 110

TestAmerica Buffalo

QC Sample Results

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

TestAmerica Job ID: 480-73056-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-220145/1

Matrix: Water

Analysis Batch: 220145

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			12/19/14 12:45	1

Lab Sample ID: LCS 480-220145/2

Matrix: Water

Analysis Batch: 220145

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	505	462.0		mg/L		92	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-73056-1

GC/MS VOA

Analysis Batch: 220907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-73056-2	EFFLUENT	Total/NA	Water	8260C	
LCS 480-220907/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-220907/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 219523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-73056-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-219523/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-219523/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 220145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-73056-1	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-220145/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-220145/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-73056-1

Client Sample ID: EFFLUENT

Date Collected: 12/15/14 07:20

Date Received: 12/16/14 02:00

Lab Sample ID: 480-73056-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	219523	12/17/14 01:32	VAJ	TAL BUF
Total/NA	Analysis	SM2540 C		1	220145	12/19/14 12:45	RP	TAL BUF

Client Sample ID: EFFLUENT

Date Collected: 12/15/14 07:20

Date Received: 12/16/14 02:00

Lab Sample ID: 480-73056-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	220907	12/27/14 12:32	LCH	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: 480-73056-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-73056-1

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: 480-73056-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-73056-1	EFFLUENT	Water	12/15/14 07:20	12/16/14 02:00
480-73056-2	EFFLUENT	Water	12/15/14 07:20	12/16/14 02:00

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Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Phone: 315-789-1300		Lab PM: Devo, Melissa L E-Mail: melissa.devo@testamericainc.com		Carrier Tracking No(s): 480-40022-10586.1 Page: 1 of 1 Job #:	
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:		Analysis Requested Due Date Requested: TAT Requested (days): PO #: 11312000EST WO #: 48008584 Project #: 48008584 SSOW#:			
Sample Identification Effluent Effluent		Sample Date 12-15-14 12-15-14	Sample Time 7:20 7:20	Sample Type (C=comp, G=grab) C 6	Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air) Water water
Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> A Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> A 2540D - Total Suspended Solids 2540C - Total Dissolved Solids 8860C Volatile Organic Compounds		Total Number of Containers 2 3		Special Instructions/Note: 480-73056 Chain of Custody	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: Mark H... Date/Time: 12-15-14 / 10:00 Company: OBG		Relinquished by: Mark H... Date/Time: 12-15-14 / 19:00 Company: OBG		Relinquished by: Mark H... Date/Time: 12-15-14 / 10:00 Company: OBG	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months					
Special Instructions/QC Requirements:					
Method of Shipment:					
Cooler Temperature(s) °C and Other Remarks: 2.4 #1					

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-73056-1

Login Number: 73056

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-73488-1

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:

12/31/2014 1:42:34 PM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

LINKS

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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: 480-73488-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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: 480-73488-1

Job ID: 480-73488-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-73488-1

Receipt

The sample was received on 12/24/2014 11:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 480-73488-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-73488-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	652		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: 480-73488-1

Client Sample ID: EFFLUENT

Date Collected: 12/22/14 06:15

Date Received: 12/24/14 11:00

Lab Sample ID: 480-73488-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	652		10.0	4.0	mg/L	—		12/27/14 13:43	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		12/29/14 22:03	1

QC Sample Results

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

TestAmerica Job ID: 480-73488-1

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

Lab Sample ID: MB 480-221102/1

Matrix: Water

Analysis Batch: 221102

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		4.0	4.0	mg/L			12/29/14 22:03	1

Lab Sample ID: LCS 480-221102/2

Matrix: Water

Analysis Batch: 221102

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	274	254.8		mg/L		93	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-220920/1

Matrix: Water

Analysis Batch: 220920

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			12/27/14 13:43	1

Lab Sample ID: LCS 480-220920/2

Matrix: Water

Analysis Batch: 220920

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	505	468.0		mg/L		93	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-73488-1

General Chemistry

Analysis Batch: 220920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-73488-1	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-220920/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-220920/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 221102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-73488-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-221102/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-221102/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-73488-1

Client Sample ID: EFFLUENT

Date Collected: 12/22/14 06:15

Date Received: 12/24/14 11:00

Lab Sample ID: 480-73488-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	221102	12/29/14 22:03	VAJ	TAL BUF
Total/NA	Analysis	SM2540 C		1	220920	12/27/14 13:43	RP	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: 480-73488-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-73488-1

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: 480-73488-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-73488-1	EFFLUENT	Water	12/22/14 06:15	12/24/14 11:00

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Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Phone: 315-729-1300 E-Mail: melissa.deyo@testamericainc.com		Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com		Carrier Tracking No(s): 480-40042-10586.1		COC No: 480-40042-10586.1	
Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-958-6100(Tel) 315-463-7554(Fax) Email: Yuri.Veliz@obg.com Project Name: Former Accurate Die Cast Site:		Due Date Requested: TAT Requested (days): PO #: 11312000EST WO #: Project #: 48008584 SSOW#:		Analysis Requested		Page: Page 1 of 1 Job #:	
Sample Identification Sample Date: 12-22-14 Sample Time: 6:15 Sample Type (C=Comp, G=grab): C Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air): Water		Field Filtered Sample (Yes or No): 2540D - Total Suspended Solids: 1 2540C - Calcd - Total Dissolved Solids: 1		Total Number of Containers: 2		Special Instructions/Note:	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:		Method of Shipment:		Date/Time: 12-22-14 8:50 Company: OBG	
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/Time: 12-22-14 8:50 Company: OBG	
Relinquished by: Martin Kornhe		Relinquished by: Martin Kornhe		Relinquished by: Martin Kornhe		Date/Time: 12-22-14 11:00 Company: SRR	
Relinquished by: Martin Kornhe		Relinquished by: Martin Kornhe		Relinquished by: Martin Kornhe		Date/Time: 12-22-14 11:00 Company: SRR	
Custody Seal No.: A Yes Δ No		Custody Seal No.: # 1 2.8		Cooler Temperature(s) °C and Other Remarks:		Date/Time: 12-22-14 11:00 Company: SRR	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-73488-1

Login Number: 73488

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robison, Zachary J

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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-73572-1

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:

1/12/2015 11:14:29 AM

Rebecca Jones, Project Management Assistant I

rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I

(716)504-9874

melissa.deyo@testamericainc.com

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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: 480-73572-1

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: 480-73572-1

Job ID: 480-73572-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-73572-1

Receipt

The sample was received on 12/30/2014 9:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0° 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: 480-73572-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-73572-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	629		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: 480-73572-1

Client Sample ID: EFFLUENT

Date Collected: 12/29/14 07:20

Date Received: 12/30/14 09:15

Lab Sample ID: 480-73572-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	629		10.0	4.0	mg/L	—		12/31/14 11:14	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L	—		01/02/15 19:31	1

QC Sample Results

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

TestAmerica Job ID: 480-73572-1

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

Lab Sample ID: MB 480-221578/1

Matrix: Water

Analysis Batch: 221578

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		4.0	4.0	mg/L			01/02/15 19:31	1

Lab Sample ID: LCS 480-221578/2

Matrix: Water

Analysis Batch: 221578

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	261	244.4		mg/L		94	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-221362/1

Matrix: Water

Analysis Batch: 221362

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			12/31/14 11:14	1

Lab Sample ID: LCS 480-221362/2

Matrix: Water

Analysis Batch: 221362

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	505	483.0		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: 480-73572-1

General Chemistry

Analysis Batch: 221362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-73572-1	EFFLUENT	Total/NA	Water	SM2540 C	
LCS 480-221362/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-221362/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 221578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-73572-1	EFFLUENT	Total/NA	Water	SM 2540D	
LCS 480-221578/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-221578/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-73572-1

Client Sample ID: EFFLUENT

Date Collected: 12/29/14 07:20

Date Received: 12/30/14 09:15

Lab Sample ID: 480-73572-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	221578	01/02/15 19:31	JMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	221362	12/31/14 11:14	RP	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: 480-73572-1

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	03-31-15

Method Summary

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

TestAmerica Job ID: 480-73572-1

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: 480-73572-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-73572-1	EFFLUENT	Water	12/29/14 07:20	12/30/14 09:15

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-73572-1

Login Number: 73572

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

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