

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.

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

		Monitoring	Monitoring Requirements										
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 10/1/2014	Effluent 10/7/2014	Effluent 10/9/2014	Effluent 10/13/2014	Effluent 10/15/2014	Effluent 10/17/2014	Effluent 10/20/2014	Effluent 10/22/2014	Effluent 10/24/2014
Flow (GPD)	Monitor	150000	Continuous	Meter	8645	8417	8047	7850	7695	7570	7533	7675	7478
pH (SU)	6.5-8.5		2/Week	Grab	8.38	8.4	8.41	8.42	8.42	8.4	8.4	8.42	8.42
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4.0 U	4.0 U		4.0 U			4.0 U		
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	686	704		800			702		
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.		0.00020 U						***	
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.		0.0077 JB							
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		1.0 U					1.0 U		
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		1.0 U					1.0 U		
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab		1.0 U					1.0 U		
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab		1.0 U					1.0 U		
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab		1.0 U					1.0 U		
Toluene (ug/L)	Monitor	20	2/Month	Grab		1.0 U					1.0 U		
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab		1.0 U					1.0 U		
Notes: - Not analyzed, NA - Data Not available U - Not Detected, J - Estimated (1) Minimum monitoring requirements ba	- Not analyzed, NA - Data Not available												



	Monitoring Requirements												
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	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
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 ba	- Not analyzed, NA - Data Not available												



	Monitoring Requirements												
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 11/13/2014	Effluent 11/17/2014	Effluent 11/18/2014	Effluent 11/19/2014	Effluent 11/20/2014	Effluent 11/21/2014	Effluent 11/24/2014	Effluent 11/25/2014	Effluent 12/1/2014
Flow (GPD)	Monitor	150000	Continuous	Meter	6753	6557	6480	6490	6630	6465	6515	6540	6342
pH (SU)	6.5-8.5		2/Week	Grab	8.45	8.46	8.46	8.48	8.48	8.48	8.48	8.48	8.47
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4.0 U	4.0 U					4.0 U		4.0 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	687	721					711		724
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.									
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.									
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		1 U							1 U
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		1 U							1 U
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab		1 U							1 U
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab		1 U							1 U
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab		1 U							1 U
Toluene (ug/L)	Monitor	20	2/Month	Grab		1 U							1 U
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab		1 U							1 U
Notes: - Not analyzed, NA - Data Not available U - Not Detected, J - Estimated (1) Minimum monitoring requirements ba	ised on SPEDES per	mit modified Noveml	per, 21, 1997.										



		Monitoring	Requirements										
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	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
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 b		rmit modified Novem	per 21 1997										



		Monitoring	Requirements										
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 12/18/2014	Effluent 12/22/2014	Effluent 12/24/2014	Effluent 12/22/2014	Effluent 12/29/2014	Effluent 12/30/2014	Effluent 12/31/2014	Effluent 1/5/2015	
Flow (GPD)	Monitor	150000	Continuous	Meter	6383	6723	7048	7374	7374	7570	7660	7766	
pH (SU)	6.5-8.5		2/Week	Grab	7.24	7.19	7.27	7.29	7.29	7.19	7.23	7.2	
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.		652			629				
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									
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab									
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab									
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab									
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab									
Toluene (ug/L)	Monitor	20	2/Month	Grab									
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab									
Notes: - Not analyzed, NA - Data Not available U - Not Detected, J - Estimated (1) Minimum monitoring requirements ba	ised on SPEDES per	mit modified Noveml	per, 21, 1997.										





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

Sally & Hoffmen

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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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 $3.0^{\circ}\ C$.

General Chemistry

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

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Detection Summary

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

Client Sample ID: Effluent

TestAmerica Job ID: 480-68414-1

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		SM2540 C	Total/NA

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Client Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-68414-1

Lab Sample ID: 480-68414-1

Matrix: Water

Date Collected: 10/01/14 06:30 Date Received: 10/02/14 01:00

Client Sample ID: Effluent

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

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QC Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-68414-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

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

Lab Sample ID: MB 480-205907/1 Matrix: Water

Analysis Batch: 205907

MB MB

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

Lab Sample ID: LCS 480-205907/2

Matrix: Water

Analysis Batch: 205907

 Analyte
 Added
 Result
 Qualifier
 Unit
 D
 %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

MB MB

 Analyte
 Result
 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

 Analyte
 Added Dissolved Solids
 Result Solids
 Unit Dissolved Solids
 D Solid Solids
 WRec. Week

 479.0
 479.0
 mg/L
 95
 85 - 115

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-68414-1

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	

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Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-68414-1

Lab Sample ID: 480-68414-1

Matrix: Water

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

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

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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

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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

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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

Deliverable Requested: I, II, IV, Other (specify) Empty Kit Relinquished by: Empty Kit Relinquished by: Received by: Received by: Received by: Company Countains: Coun
The face of the following the following seal No.: Compart Com
inquished by: Date: Time: Nethod of Shipment: Date: No. Company Received by: Date: No. Pate: No. Pate:
Inquished by: Time: Pate: Time: PaterTime: PaterTime: PosterTime: Poste
Pat Kenth Date/Time: 10-1-14 10:15 Company Received by MALL COM Date/Time: 10-1-14 lais intact: Custody Seal No.:
Date/Time: Date/Time: Company Received by WANU COW DeferTime: Date/Time: Date
als Intact: Custody Seal No.: A No
Custody Seal No.: 7, Coder Temperature(s) °C and Other Remarks: 7, C

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

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10/9/2014



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

Glossary

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

TestAmerica Buffalo

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.

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Detection Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-68781-1

2

Client Sample ID: Effluent

No Detections.

Lab Sample ID: 480-68781-1

Client Sample ID: Between Carbons

No Detections.

Lab Sample ID: 480-68781-2

_

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

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

Client Sample ID: Influent Lab Sample ID: 480-68781-5

This Detection Summary does not include radiochemical test results.

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

Toluene-d8 (Surr)

Dibromofluoromethane (Surr)

TestAmerica Job ID: 480-68781-1

10/17/14 03:31

10/17/14 03:31

Client Sample ID: Effluent Lab Sample ID: 480-68781-1

Date Collected: 10/07/14 11:55 **Matrix: Water** Date Received: 10/08/14 01:30

Method: 8260C - Volatile Organic Compounds by GC/MS Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed 0.21 ug/L 1,1,2,2-Tetrachloroethane ND 1.0 10/17/14 03:31 ND cis-1,2-Dichloroethene 1.0 0.81 ug/L 10/17/14 03:31 Methylene Chloride ND 1.0 0.44 ug/L 10/17/14 03:31 Tetrachloroethene ND 0.36 ug/L 1.0 10/17/14 03:31 Toluene ND 1.0 0.51 ug/L 10/17/14 03:31 trans-1,2-Dichloroethene ND 1.0 0.90 ug/L 10/17/14 03:31 Trichloroethene ND 1.0 0.46 ug/L 10/17/14 03:31 %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 1,2-Dichloroethane-d4 (Surr) 101 66 - 137 10/17/14 03:31 4-Bromofluorobenzene (Surr) 91 73 - 120 10/17/14 03:31

Client Sample ID: Between Carbons Lab Sample ID: 480-68781-2

71 - 126

60 - 140

Matrix: Water Date Collected: 10/07/14 11:55 Date Received: 10/08/14 01:30

96

97

Method: 8260C - Volatile Organic Compounds by GC/MS							
Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND ND	1.0	0.21	ug/L			10/17/14 03:53	1
ND	1.0	0.81	ug/L			10/17/14 03:53	1
ND	1.0	0.44	ug/L			10/17/14 03:53	1
ND	1.0	0.36	ug/L			10/17/14 03:53	1
ND	1.0	0.51	ug/L			10/17/14 03:53	1
ND	1.0	0.90	ug/L			10/17/14 03:53	1
ND	1.0	0.46	ug/L			10/17/14 03:53	1
	Result Qualifier ND ND ND ND ND ND ND ND ND N	Result Qualifier RL ND 1.0 ND 1.0	Result Qualifier RL MDL ND 1.0 0.21 ND 1.0 0.81 ND 1.0 0.36 ND 1.0 0.51 ND 1.0 0.90	Result Qualifier RL MDL Unit ND 1.0 0.21 ug/L ND 1.0 0.81 ug/L ND 1.0 0.44 ug/L ND 1.0 0.36 ug/L ND 1.0 0.51 ug/L ND 1.0 0.90 ug/L	ND 1.0 0.21 ug/L ND ND 1.0 0.81 ug/L ND 1.0 0.36 ug/L ND 1.0 0.36 ug/L ND 1.0 0.51 ug/L ND 1.0 0.51 ug/L ND 1.0 0.90 ug/L ND 1.0 0.90 ug/L ND 1.0 0.90 ug/L ND ND	Result Qualifier RL MDL Unit D Prepared ND 1.0 0.21 ug/L ND 1.0 0.81 ug/L ND 1.0 0.44 ug/L ND 1.0 0.36 ug/L ND 1.0 0.51 ug/L ND 1.0 0.90 ug/L	Result Qualifier RL MDL Unit D Prepared Analyzed ND 1.0 0.21 ug/L 10/17/14 03:53 ND 1.0 0.81 ug/L 10/17/14 03:53 ND 1.0 0.44 ug/L 10/17/14 03:53 ND 1.0 0.36 ug/L 10/17/14 03:53 ND 1.0 0.51 ug/L 10/17/14 03:53 ND 1.0 0.90 ug/L 10/17/14 03:53

Surrogate	%Recovery Q	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 Lab Sample ID: 480-68781-3 Date Collected: 10/07/14 11:55 Matrix: Water

Date Received: 10/08/14 01:30

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

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Client Sample Results

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

Client Sample ID: Influent

Date Collected: 10/07/14 11:55

Date Received: 10/08/14 01:30

TestAmerica Job ID: 480-68781-1

Lab Sample ID: 480-68781-3

Matrix: Water

Method: 8260C -	. Volatile Organic	Compounds b	hy 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

Lab Sample ID: 480-68781-4 **Client Sample ID: Effluent**

Date Collected: 10/07/14 11:55 Matrix: Water

Date Received: 10/08/14 01:30

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Zinc	0.0077	JB	0.010	0.0015	mg/L		10/09/14 06:50	10/09/14 17:59	
Method: 7470A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Mercury	ND		0.00020	0.00012	mg/L		10/09/14 09:10	10/09/14 14:23	
- General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total Dissolved Solids	704		10.0	4.0	mg/L			10/13/14 00:14	
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total Suspended Solids	ND		4.0	4.0	mg/L			10/09/14 02:41	

Client Sample ID: Influent Lab Sample ID: 480-68781-5

Date Collected: 10/07/14 11:55 **Matrix: Water**

Date Received: 10/08/14 01:30

Method: 6010C - Metals (ICP) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0091	JB	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	ma/L		10/09/14 09:10	10/09/14 14:24	

10/17/2014

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

				Percent Sur	rrogate Rec
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(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)

TestAmerica Job ID: 480-68781-1

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

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

Lab Sample ID: MB 480-208254/27

Matrix: Water

Analysis Batch: 208254

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

	MB I	MB							
Analyte	Result (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

MB MB

Surrogate	%Recovery 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

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

LCS LCS

Surrogate	%Recovery	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	Client Sample ID: Influent
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 208254	
	 A/ =

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

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TestAmerica Job ID: 480-68781-1

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

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

Lab Sample ID: 480-68781-3 MSD Client Sample ID: Influent **Matrix: Water** Prep Type: Total/NA

Analysis Batch: 208254

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

MSD MSD

Surrogate	%Recovery	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

Analyte

Analyte

Zinc

Zinc

Analysis Batch: 207044

Prep Type: Total/NA **Prep Batch: 206760**

MDL Unit

0.0015 mg/L

Result Qualifier

0.212

Client Sample ID: Method Blank

Analyzed

10/09/14 16:53

Limits

80 - 120

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 206788**

Prep Type: Total/NA

Dil Fac

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
Spike	LCS LCS	%Rec.

Unit

mg/L

Prepared

10/09/14 06:50

%Rec

106

Method: 7470A - Mercury (CVAA)

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

Matrix: Water

Analysis Batch: 207016

MR MR

MB MB

0.00401 J

Result Qualifier

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

RL

0.010

Added

0.201

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

Matrix: Water

Analysis Batch: 207016							Prep	Batch: 206788
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Mercury	0.00667	0.00680		mg/L		102	80 - 120	

TestAmerica Buffalo

10/17/2014

QC 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: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

2

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

MB MB

AnalyteResultQualifierRLRLUnitDPreparedAnalyzedDil FacTotal Suspended SolidsND4.04.0mg/L10/09/14 02:411

Lab Sample ID: LCS 480-206739/2

Matrix: Water

Analysis Batch: 206739

 Spike
 LCS
 LCS
 KRec.

 Analyte
 Added
 Result
 Qualifier
 Unit
 D
 KRec
 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

MB MB

 Analyte
 Result
 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

 Analyte
 Added Total Dissolved Solids
 Spike LCS LCS
 KRec.

 504
 Result Size of Siz

TestAmerica Buffalo

TestAmerica Job ID: 480-68781-1

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

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

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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	

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TestAmerica Job ID: 480-68781-1

Client: O'Brien & Gere Inc of North America

Project/Site: Former Accurate Die Cast

Client Sample ID: Effluent Lab Sample ID: 480-68781-1 Date Collected: 10/07/14 11:55

Matrix: Water

Date Received: 10/08/14 01:30

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

Client Sample ID: Between Carbons Lab Sample ID: 480-68781-2

Date Collected: 10/07/14 11:55 Matrix: Water

Date Received: 10/08/14 01:30

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

Client Sample ID: Influent Lab Sample ID: 480-68781-3

Date Collected: 10/07/14 11:55 **Matrix: Water**

Date Received: 10/08/14 01:30

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

Lab Sample ID: 480-68781-4 **Client Sample ID: Effluent**

Date Collected: 10/07/14 11:55 Matrix: Water

Date Received: 10/08/14 01:30

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	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 Lab Sample ID: 480-68781-5

Date Collected: 10/07/14 11:55 Matrix: Water

Date Received: 10/08/14 01:30

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

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

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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

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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

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Method of Shipment:

Time:

 $\frac{Company}{OBG}$

14:10

Date/Time: - ウー/リー

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Cooler Temperature(s) °C and Other Remarks:

TestAmerica Syracuse

Chain of Custody Record

TestAmerica

Syracuse, NY 13211 118 Boss Rd

Phone (315) 431-0171 Fax (315) xxx-xxxx							Ī							THE LEAGER I	THE LEAGER IN ENVIRORMENTAL TESTING
Client Information	Sampler, MARTIN KEENNELKE	in Kee	novek		Lab PM: Deyo, Melissa L					Sarrier Tr	Carrier Tracking No(s)	o(s):		COC No: 480-39993-10589	1589.1
Client Contact: Mr. Yuri Veliz	Phone: 315-7	1-564	300	Printerrouten	E-Mail: melissa.deyo@testamericainc.com	testame	icainc	moo						Page: Page 1 of 1	
Company: O'Brien & Gere Inc of North America							₽ F	Analysis Requested	Red	este				Job #:	
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	:pe											S	Preservation Codes:	Sodes:
City: East Syracuse	TAT Requested (days)	ays):										· · · · · · · · · · · · · · · · · · ·			N - None O - AsNaO2
State, Zip: NY, 13221				photos is countries.		.,								D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3 B Na2S23CO3
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO#. 11312000EST				(o _l									G - Amchlor H - Ascorbic Acid	
Email: Yuri.Veliz@obg.com	WO#.				(on									-	
Project Name: Former Accurate Die Cast	Project #: 48008584				io/se			 -		······································			,	L-EDA	vv - pn 4-5 Z - other (specify)
Site:	SSOW#:				k) ds								otenšti do.	Other	
		Sample	Sample Type (C=comp,	(W=water, S=solid, O=waste/oil, BT=Tissue,	beneille ble M/SM/mioh Je Istot - Got	f - bolsO_00	oniZ - 201	ruoreM - A07			· · · · · · · · · · · · · · · · · · ·	,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	on the second	aędńiuM list	
Sample Identification	Sample Date		G=grab) Preserva	S=grab) A=Air) Preservation Code:	04 ×	- 13	.09 2	.pz _		2.7	1941				Special Instructions/Note:
Effuent	16-7-14	11.55	೨	Water						-				m	70.00
Between Carbons	H1-4-01	11.55	9	Water		W				<u> </u>		<u> </u>		W)	
Inffluent	H-4-01	55/11	9	Water		W						-		(X)	
ERLUCAT	h1-4-91	11.55	U	wifter		_	_	_						14	
Turkey.	H-4-01	55:11	J	WATER				francis,					6.50	16	
					Na marion marion								7. 7.		
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e de la constante de la consta			:		ylatipitet yay						-		<u> </u>	-	
					Sample	Dispos	al (A)	ee ma	/ be as	sesse	d if san	səldu	re reta	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	n 1 month)
Non-Hazard	son B 🗀 Unknow	umor	Radiological	-]	Retum To Client	Client			sposal	Disposal By Lab	İ	₹	Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)					Special	Special Instructions/QC Requirements:	ons/Q(Redu	remen	S.					

inquished by: elinquished by:

Empty Kit Relinquished by:

Custody Seal No.:

Custody Seals Intact:
△ Yes △ No

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

Trouter Helia, Time in		
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	

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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

·····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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-69169-1

Glossary

TEQ

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

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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.

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Detection Summary

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

Client Sample ID: Effluent

TestAmerica Job ID: 480-69169-1

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		SM2540 C	Total/NA

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Client Sample Results

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

Client Sample ID: Effluent

TestAmerica Job ID: 480-69169-1

Lab Sample ID: 480-69169-1

Date Collected: 10/13/14 07:15 Date Received: 10/14/14 00:30 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

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

2

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

MB MB

AnalyteResultQualifierRLRLUnitDPreparedAnalyzedDil FacTotal Suspended SolidsND4.04.0mg/L10/15/14 11:131

Lab Sample ID: LCS 480-207714/2

Matrix: Water

Analysis Batch: 207714

.CS 480-207714/2 Client Sample ID: Lab Control Sample
Prep Type: Total/NA

 Analyte
 Added
 Result Problem
 Qualifier Problem
 Unit Problem
 Description
 Rescription

 Total Suspended Solids
 264
 258.4
 mg/L
 98
 88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-208014/1 Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 208014

MB MB

Lab Sample ID: LCS 480-208014/2

Matrix: Water

Analysis Batch: 208014

 Analyte
 Added Total Dissolved Solids
 Result Spike LCS LCS
 LCS LCS WRec.
 MRec. Limits Plants

 504
 514.0
 mg/L
 102
 85 - 115

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-69169-1

General Chemistry

Analysis Batch: 207714

Lab Sample ID Clie	ent Sample ID	Prep Type	Matrix	Method	Prep Batch
480-69169-1 Efflu	uent	Total/NA	Water	SM 2540D	
LCS 480-207714/2 Lab	Control Sample	Total/NA	Water	SM 2540D	
MB 480-207714/1 Metl	thod 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	

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Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-69169-1

Lab Sample ID: 480-69169-1

Matrix: Water

Client Sample ID: Effluent
Date Collected: 10/13/14 07:15
Date Received: 10/14/14 00:30

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

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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

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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

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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

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Chain of Custody Record

mation	Sampler KOE Phone:	Ke	Lab PM: Deyo, Melissa L E-Mail:		carrier Tracking No(s):	COC No: 480-40040-10586.1 Page:	- 1
Mr. Yuri Veliz	15-124-1500		nelissa.deyo@te	melissa.deyo@testamericainc.com		Page 1 of 1	J
Company: O'Brien & Gere Inc of North America				Analysis Requested	quested	Job #:	
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:		N 44				
Ofty. East Syracuse	TAT Requested (days):						
						D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MACH R - NA2SSO3	
315-463-7554(Fax)	PO#. 11312000EST		(0)	spil			a)
	WO#:		(on	og þa		I - Ice J - DI Water V - Entra	
Cast	Project #. 48008584		io'se	vlossk	alean	L-EDA	
	SSOW#:		Samp	I listo	03 10	Other:	
Sample identification	Sample Date Time	Sample (w-water, S-solid, O-water) Type O-wasted, B-Tissue, B-dar)	x 본 일 히 bənəllit biələ M.SM.m.tohəsi as istot - dotas	Ze4OC_Calcd - T	rednini [sto]	Special Instructions/Note:	
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Effluent	21:24 PL-81-01	C Water					
						10 947	
			****		480-69169 Chain of Custody	ustody	
							ŀ
			41-12			er is	
Possible Hazard Identification 	Unknown	Radiological	Sample Re	le Disposal (A fee may be Retum To Client	essed if samples are re	tained longer than 1 month) Archive For Months	
ssted: I, II, III, IV, Other (specify)			Special I	Special Instructions/QC Requirements:	ents:		
hed by:	Date:		Time:		Method of Shipment:		
to Konshe	Date/Time: 10 43 -14 / 920	Company	SG Receive		Date/Time; O	13-(4 Godinary	
RENG 1117	Date/Time: 19	Company	Recein	Received by:	Yol Cate/Time TO 11	ीम क्टेंड	ł
	Date/Time: / /	Company	Receiv	Received by:	Date/Ime:	Сотрану	1
Custody Seals Intact Custody Seal No.:			Coolei	Cooler Temperature(s) °C and Other Remarks:	Remarks: 7.8	五	
			1:	111111111111111111111111111111111111111	8 9	3 4 5	

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	

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Chlorine Residual checked.

N/A



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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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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-69696-1

Glossary

TEQ

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

TestAmerica Buffalo

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.

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Detection Summary

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

TestAmerica Job ID: 480-69696-1

Lab Sample ID: 480-69696-1

Client Sample ID: EFFLUENT		Lab Sample II	D: 480-69696-1
Г	 	 	

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

Lab Sample ID: 480-69696-2 **Client Sample ID: EFFLUENT**

No Detections.

Client Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-69696-1

Lab Sample ID: 480-69696-1

Matrix: Water

Date Collected: 10/20/14 07:00 Date Received: 10/21/14 02:10

Client Sample ID: EFFLUENT

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 Lab Sample ID: 480-69696-2

Date Collected: 10/20/14 07:00 Matrix: Water

Date Received: 10/21/14 02:10

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

11/4/2014

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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 Su	rrogate Rec
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(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-Dichloroe	thane-d4 (Surr)				

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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TestAmerica Job ID: 480-69696-1

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

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

Lab Sample ID: MB 480-211272/8

Matrix: Water

Analysis Batch: 211272

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

		MB	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			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
ı										

MB MB

Surrogate	%Recovery 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

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

LCS LCS

Surrogate	%Recovery	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

Analyte

Analysis Batch: 209029

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

Client Sample ID: Lab Control Sample

MB MB Dil Fac Result Qualifier RLRL Unit Prepared Analyzed 4.0 4.0 mg/L ND 10/21/14 10:51

Lab Sample ID: LCS 480-209029/2

Matrix: Water

Total Suspended Solids

Analysis Batch: 209029

, ,								
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Suspended Solids	 258	247.2		mg/L		96	88 - 110	

TestAmerica Buffalo

Prep Type: Total/NA

Page 8 of 16

QC Sample Results

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

TestAmerica Job ID: 480-69696-1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

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

MB MB

 Analyte
 Result
 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

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

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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	

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Lab Chronicle

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

TestAmerica Job ID: 480-69696-1

Lab Sample ID: 480-69696-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 10/20/14 07:00 Date Received: 10/21/14 02:10

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	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 Lab Sample ID: 480-69696-2

Date Collected: 10/20/14 07:00 **Matrix: Water**

Date Received: 10/21/14 02:10

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

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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

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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

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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

Total Holes and III				
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			

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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.
¤	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.

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Detection Summary

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

Client Sample ID: Effluent

TestAmerica Job ID: 480-70193-1

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

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Client Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-70193-1

Lab Sample ID: 480-70193-1

Matrix: Water

Date Collected: 10/27/14 07:15 Date Received: 10/28/14 02:00

Client Sample ID: Effluent

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	ma/L			10/29/14 13:30	

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QC Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-70193-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

88 - 110

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

95

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

2

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

Lab Sample ID: MB 480-210753/1

Matrix: Water

Analysis Batch: 210753

MB MB

AnalyteResult
Total Suspended SolidsQualifierRL
4.0RL
4.0Unit
4.0D
mg/LPrepared
10/29/14 12:53Analyzed
10/29/14 12:53Dil Fac
10/29/14 12:53

225.2

mg/L

Lab Sample ID: LCS 480-210753/2

Matrix: Water

Total Suspended Solids

Analysis Batch: 210753

Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit D %Rec Limits

236

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-211307/1

Matrix: Water

Analysis Batch: 211307

MB MB

 Analyte
 Result
 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

 Analyte
 Added Total Dissolved Solids
 Result Solids
 LCS LCS
 KRec.

 4 Result Total Dissolved Solids
 502
 452.0
 mg/L
 90
 85 - 115

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-70193-1

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	

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Lab Chronicle

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

TestAmerica Job ID: 480-70193-1

Lab Sample ID: 480-70193-1

Matrix: Water

Client Sample ID: Effluent Date Collected: 10/27/14 07:15 Date Received: 10/28/14 02:00

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

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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

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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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TestAmerica Syracuse 118 Boss Rd Syracuse, NY 13211 Phone (315) 431-0171 Fax (315) ∞x-∞∞	<i>σ</i> ₹	in of Custody Record		TestAmerica
	Connect	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-40022-10586.1
Client Contact. Mr. Yuri Veliz	. ,	E-Mail: melissa.deyo@testamericainc.com	шох	Page: Page 1 of 1
rth America		Ans	Analysis Requested	
4873	Due Date Requested:			
	TAT Requested (days):			
				D - Nitric Acid P - Na204S E - NaHSO4 Q - Na2SO3
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #. 11312000EST			
Email: Yuri.Veliz@obg.com	WO#.	(ÖV ebil	91	- loe J - DI Water
Cast	Project #; 48008584	os per	evietn	
	SSOW#:	abeuc SD/(X	loo Jo	Other:
	Sample Type	Watrix (Warster, Warster, Washington) Sasoid, Data Sun Connection, D. Total Sun Connection, D. Called - T	(Admin) I	
Sample Identification	-	A-Ar) Eight State attorn Code: XXNN		Special Instructions/Note:
Efficient	7,2			
		713773		
		Accidentation and the second	Co 20193 Chain of Custody	ody
			2007-084	
		and State of the S		
l l	edinologica mondul Badiologica		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	tained longer than 1 month)
		Specia	אסמן דע דעם	
Empty Kit Relinquished by:	Date:	Time;	Method of Shipment:	
Reinquistre by Kun L	Date/Time: 14.05	Company Received by A	11 12 Date/Time.	14:01 Company
Dr.14/11	Date/Time: // /9.00	Received by:	171 Now Detertine: 1281	114 5200 Company
		Company Received by:	Date/Time:	1
Custody Seals Intact Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	C and Other Remarks: 3,7 H	

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	

TestAmerica Buffalo

Chlorine Residual checked.

N/A

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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

·····LINKS ·······

Review your project results through
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Have a Question?



Visit us at: www.testamericainc.com

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

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

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

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Definitions/Glossary

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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-70921-1

Glossary

TEQ

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

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.

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Detection Summary

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

Client Sample ID: Effluent

TestAmerica Job ID: 480-70921-1

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.

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Client Sample Results

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

TestAmerica Job ID: 480-70921-1

Lab Sample ID: 480-70921-1

Lab Sample ID: 480-70921-2

11/17/14 15:44

11/17/14 15:44

11/17/14 15:44

Matrix: Water

Matrix: Water

Date Collected: 11/06/14 07:30 Date Received: 11/07/14 01:45

Client Sample ID: Effluent

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

100

102

103

Matrix: Water

Date Received: 11/07/14 01:45

Method: 8260C - Volatile Orga	•	•	-			_			5.1.5
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	

Client Sample ID: Effluent Lab Sample ID: 480-70921-3

73 - 120

71 - 126

60 - 140

Date Collected: 11/06/14 07:30 Date Received: 11/07/14 01:45

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

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	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/13/14 18:08	

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

_				Percent Sur	rrogate Rec
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(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)

TestAmerica Buffalo

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TestAmerica Job ID: 480-70921-1

Client: O'Brien & Gere Inc of North America

Project/Site: Former Accurate Die Cast

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

Lab Sample ID: MB 480-214428/8

Matrix: Water

Analysis Batch: 214428

Client Sam	ple ID	: Meth	od Bl	ank
	Prep	Type:	Total	/NA

1	INID	IAID							
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 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

MB MB

MD MD

Surrogate	%Recovery 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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

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

LCS LCS

Surrogate	%Recovery	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

MB MB Dil Fac Analyte Result Qualifier RLRL Unit Prepared Analyzed Total Suspended Solids 4.0 4.0 mg/L ND 11/13/14 18:08

Lab Sample ID: LCS 480-213980/2

Matrix: Water

Analysis Batch: 213980

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

TestAmerica Buffalo

Page 8 of 16

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

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 213773

 Analyte
 Result
 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

Client Sample ID: Lab Control Sample
Matrix: Water

Prep Type: Total/NA

Analysis Batch: 213773

 Analyte
 Added
 Result
 Qualifier
 Unit
 D
 %Rec
 Limits

 Total Dissolved Solids
 504
 547.0
 mg/L
 109
 85 - 115

TestAmerica Buffalo

QC Association Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-70921-1

GC/MS VOA

Analysis Batch: 214428

١	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	

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Lab Chronicle

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

TestAmerica Job ID: 480-70921-1

Lab Sample ID: 480-70921-1

Matrix: Water

Date Collected: 11/06/14 07:30 Date Received: 11/07/14 01:45

Client Sample ID: Effluent

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

Lab Sample ID: 480-70921-2

Matrix: Water

Date Collected: 11/06/14 07:30

Date Received: 11/07/14 01:45

Client Sample ID: Between Carbons

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

Client Sample ID: Effluent Lab Sample ID: 480-70921-3

Date Collected: 11/06/14 07:30 **Matrix: Water**

Date Received: 11/07/14 01:45

		Batch	Batch		Dilution	Batch	Prepared		
Prep T	Гуре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/N	NA	Analysis	SM 2540D		1	213980	11/13/14 18:08	JMB	TAL BUF
Total/N	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

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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

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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

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THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

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

TestAmerica Syracuse

118 Boss Rd

0 - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2SSO3
S - H2SO4
T - TSP Dodecalydrate
U - Acetone
W - MCAA
W - ph 4-5
Z - other (specify) Special Instructions/Note: Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Moni
Special Instructions/QC Requirements: COC No: 480-39986-10588.1 Preservation Codes H - Ascorbic Acid 11.20 D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor ઇસાવળા Page 1 of 1 Job#: 480-70921 Chain of Custody |- tce | J - DI Water | K - EDTA | L - EDA Total Mumber of containers W W CK Date/Time: 井の12 Method of Shipment: Analysis Requested Cooler Temperature(s) °C and Other Remarks: E-Mail: melissa.deyo@testamericainc.com 8260C - Volatile Organic Compounds 3 ď Lab PM: Deyo, Melissa L Time: 14 wooden (W=water, S=solid, O=wastefoil, BT=Tissue, Preservation Code Water Water KDOWNEKE Radiological Type (C=comp, Sample G=grab) 315- 739-1300 11:20 Ð 0 19:00 N.30 084 Sample Time 730 Date: Sampler. Unknown TAT Requested (days): Due Date Requested: PO#. 11312000EST Sample Date 11-6-14 71-9-11 71-6-11 Project #. 48008584 SSOW#: WO #: Poison B Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No.: 333 West Washington St. PO BOX 4873 315-956-6100(Tel) 315-463-7554(Fax) Company: D'Brien & Gere Inc of North America Flammable ossible Hazard Identification Empty Kit Relinquished by: Former Accurate Die Cast Custody Seals Intact: Client Information sample Identification Yuri. Veliz@obg.com Δ Yes Δ No **Setween Carbons** アストシップ -- Non-Hazard City: East Syracuse elinquished by: Vir. Yuri Veliz finguished by: elinquished by: State, Zip: NY, 13221 Effluent

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

Creator. Roll, Clins W		
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and he COC.	True	
Samples are received within Holding Time.	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	
here is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
/OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
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	

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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

.....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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-71380-1

Glossary

TEQ

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

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.

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Detection Summary

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

Client Sample ID: EFFLUENT

TestAmerica Job ID: 480-71380-1

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

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Client Sample Results

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

TestAmerica Job ID: 480-71380-1

Lab Sample ID: 480-71380-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 11/13/14 07:30 Date Received: 11/14/14 02:00

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

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

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

Lab Sample ID: MB 480-215066/1

Matrix: Water

Analysis Batch: 215066

мв мв

Analyte Result Qualifier RL RL Unit D Prepared Analyzed Dil Fac 4.0 4.0 mg/L 11/20/14 11:00 **Total Suspended Solids** ND

Lab Sample ID: LCS 480-215066/2

Matrix: Water

Analysis Batch: 215066

Total Suspended Solids

Spike Analyte Added

258

254.8

Result Qualifier

LCS LCS

Unit mg/L

%Rec 99

Limits 88 - 110

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

%Rec.

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-214954/1

Matrix: Water

Analysis Batch: 214954

MR MR

Analyte Total Dissolved Solids

Result Qualifier ND

RL 10.0 MDL Unit 4.0 mg/L

Prepared

Analyzed Dil Fac 11/19/14 15:38

Prep Type: Total/NA

Prep Type: Total/NA

Lab Sample ID: LCS 480-214954/2

Matrix: Water

Total Dissolved Solids

Analysis Batch: 214954

Spike Added 504

LCS LCS Result Qualifier 482.0

Unit mg/L

%Rec

96

%Rec. Limits 85 - 115

Client Sample ID: Lab Control Sample

TestAmerica Buffalo

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	

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Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-71380-1

Lab Sample ID: 480-71380-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 11/13/14 07:30

Date Received: 11/14/14 02:00

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

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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		Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-15

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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

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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

Chain of Custody Record

Phone (315) 431-0171 Fax (315) xxx-xxx

Syracuse, NY 13211

118 Boss Rd

TestAmerica Syracuse

0 - AsNaO2 P - Na2O4S Q - Na2O3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate Special Instructions/Note: U - Acetone V - MCAA W - ph 4-5 Z - other (specify) Months Company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) COC No: 480-40030-10586.1 reservation Codes 8 H - Ascorbic Acid Page: Page 1 of 1 D - Nitric Acid E - NaHSO4 F - MeOH I - Iœ J - DI Water K - EDTA L ÈEDA 0 G - Amchlor B - NaOH Archive For 480-71380 Chain of Custody Total Number of containers 件の Method of Shipment Carrier Tracking No(s) Disposal By Lab Analysis Requested Cooler Temperature(s) °C and Other Remarks: Special Instructions/QC Requirements: Lab PM: Deyo, Melissa L E-Mait: melissa.deyo@testamericainc.com Retum To Client Received by: Received by: 2540C_Calcd - Total Dissolved Solids 13 Redom MS/MSD (Yes or No) Time: Field Filtered Sample (Yes or No) Company 086 Preservation Code: S=solid, O=waste/oil BT=Tissue, Water A=Air) rewiver FL Radiological Type (C=comp, Sample G=grab) 9:35 315-789-1300 130 Sample Time Unknown PARIN TAT Requested (days): Due Date Requested: 11-13-14 PO#: 11312000EST Sample Date 11-8-11 Project #: 48008584 SSOW#: ₩O.₩ Poison B Skin Irritant Defiverable Requested: I, II, III, IV, Other (specify) Custody Seal No. 333 West Washington St. PO BOX 4873 315-956-6100(Tel) 315-463-7554(Fax) O'Brien & Gere Inc of North America Possible Hazard Identification Empty Kit Relinquished by: Former Accurate Die Cast Custody Seals Infact: Client Information Sample Identification Yuri.Veliz@obg.com Δ Yes Δ No City: East Syracuse Mr. Yuri Veliz linquished by: elinquished by: nquished by: State, Zip: NY, 13221 Effluent

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

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

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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

..... Links

Review your project results through
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Have a Question?



Visit us at: www.testamericainc.com

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

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

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

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Definitions/Glossary

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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-71540-1

Glossary

TEQ

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

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.

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Detection Summary

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

Client Sample ID: EFFLUENT

TestAmerica Job ID: 480-71540-1

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.

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Client Sample Results

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

TestAmerica Job ID: 480-71540-1

Client Sample ID: EFFLUENT Lab Sample ID: 480-71540-1

Date Collected: 11/17/14 07:30 Matrix: Water Date Received: 11/18/14 02:40

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

Client Sample ID: EFFLUENT Lab Sample ID: 480-71540-2

Date Collected: 11/17/14 07:30 Matrix: Water

Date Received: 11/18/14 02:40

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

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 Su	rrogate Reco
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(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-Dichloroet	hane-d4 (Surr)				

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

DBFM = Dibromofluoromethane (Surr)

TestAmerica Job ID: 480-71540-1

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

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

Lab Sample ID: MB 480-216008/6

Matrix: Water

Analyte

Toluene

Analysis Batch: 216008

cis-1,2-Dichloroethene

Methylene Chloride

Tetrachloroethene

Trichloroethene

Client Sampl	e ID:	Meth	od Blan	k
P	rep ⁻	Гуре:	Total/N	Α

11/26/14 01:17

мв мв Result Qualifier RLMDL Unit D Prepared Dil Fac Analyzed 1,1,2,2-Tetrachloroethane ND 1.0 0.21 ug/L 11/26/14 01:17 ND 1.0 0.81 ug/L 11/26/14 01:17 ND 1.0 0.44 ug/L 11/26/14 01:17 ND 1.0 0.36 ug/L 11/26/14 01:17 ND 1.0 0.51 ug/L 11/26/14 01:17 trans-1,2-Dichloroethene ND 1.0 0.90 ug/L 11/26/14 01:17

0.46 ug/L

MB MB

ND

Surrogate	%Recovery	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	

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Lab Sample ID: LCS 480-216008/4

Matrix: Water

Analysis Batch: 216008

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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %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 73 - 127 ug/L 110 25.0 111 Trichloroethene 27.7 74 - 123 ug/L

LCS LCS

Surrogate	%Recovery	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

MB MB

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

Lab Sample ID: LCS 480-215157/2

Matrix: Water

Analysis Batch: 215157

		Spike	LCS	LCS				%Rec.	
Analyte	,	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Suspended Solids		239	215.2		mg/L	_	90	88 - 110	

TestAmerica Buffalo

Page 8 of 16

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

MB MB

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

Lab Sample ID: LCS 480-215177/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 215177

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

Lab Sample ID: 480-71540-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 11/17/14 07:30

Date Received: 11/18/14 02:40

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

Client Sample ID: EFFLUENT Lab Sample ID: 480-71540-2

Date Collected: 11/17/14 07:30 Matrix: Water

Date Received: 11/18/14 02:40

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

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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

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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

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THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

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

TestAmerica Syracuse

Client Information	1 ARTIN A	Devine K Deyo,	: Melissa L		Carrier Tracking No(s):	COC No: 480-40016-10587.1	
Client Contact: Mr. Yuri Veliz	1-68		E-Mait: melissa.deyo@testamericainc.com	ainc.com		Page: Page 1 of 1	
Сопралу. O'Brien & Gere Inc of North America				Analysis Requested	sted	Job #.	
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:						
city: East Syracuse	TAT Requested (days):					A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2	
State, Zip: NY, 13221	ı	icz i fekt wakce w					
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO#. 11312000EST		spi		And Fall		m
Email: Yuri. Veliz@obg.com	WO #.		sbil los ba		sı.	l - Ice J - DI Water	
Project Name: Former Accurate Die Cast	Project #: 48008584	A training let	iose os per		ənietr	K - EDTA L - EDA	- A HING SEE BEFOR
Site:	SSOW#:	a za com tow	SD:(Y		100 10	Other:	
Sample Identification	Sample Date Time (Sample (w=water, Type C=comp, G=grab) A=Air)	Fleid Filtered Reiform MS/M 2640D - Total Si 2640C_Calcd - T 8260C - Volatile		rotal Mumber	Special Instructions/Note:	
	X	ation Code:	N N		X		Γ
Effluent	11-17-14 730	C Water					
Eff cent	11-14-14 7:30	6 water	w				
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		AND THE PARTY OF	· Walter and				
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					480-71540 Chain of Common		
			2 0 2 2 3		7		ATT WELL
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Possible Hazard Identification Non-Hazard Flammable Skin Inritant Poi	Poison B	Radiological	Sample Disposal (A t	(A fee may be assevalent Dispo	assessed if samples are retain Disposal By Lab	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months	***************************************
ssted: I, II, III, IV, Other (specify)			Special Instruction	Requirem			
Empty Kit Relinquished by:	Date:	-	Time:		Method of Shipment:		
Relinquished by: Math Kerns Mc	11-17-14/12	Company C	Received by:	May 2019	Date/Time:	Simple Company	
Relinquished by: R-19111	2-14 19,	Company Co SMA	Received by:	Mar Vicin	Date/Ting //	1114 624,0 Company	and containing
	Date/Timê: '	Contpany	Received by:		Date/Time: 1	Company	
Custody Seals Intact: Custody Seal No.: △ Yes △ No			Cooler Temperatu	Cooler Temperature(s) °C and Other Remarks:	井川 ;		
		1	1 1	1 1			

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	

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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

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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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-71922-1

Glossary

TEQ

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

TestAmerica Buffalo

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.

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Detection Summary

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

Client Sample ID: EFFLUENT

TestAmerica Job ID: 480-71922-1

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		SM2540 C	Total/NA

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Client Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-71922-1

Lab Sample ID: 480-71922-1

Matrix: Water

Date Collected: 11/24/14 07:15 Date Received: 11/25/14 09:00

Client Sample ID: EFFLUENT

Gener Analyte	al Chemistry	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total D	issolved 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 Su	spended Solids	ND	-	4.0	4.0	mg/L			11/26/14 10:34	1

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TestAmerica Job ID: 480-71922-1

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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: EFFLUENT

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

Lab Sample ID: MB 480-216145/1

Matrix: Water

Analysis Batch: 216145

мв мв

Result Qualifier RL RL Unit Analyte D Analyzed Dil Fac Prepared 4.0 mg/L 4.0 11/26/14 10:34 **Total Suspended Solids** ND

Lab Sample ID: LCS 480-216145/2

Matrix: Water

Analysis Batch: 216145

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

MR MR

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Total Dissolved Solids 10.0 11/26/14 22:41 ND 4.0 mg/L

Lab Sample ID: LCS 480-216251/2

Matrix: Water

Analysis Batch: 216251

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

Lab Sample ID: 480-71922-1 DU

Matrix: Water

Analysis Batch: 216251

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

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Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-71922-1

Lab Sample ID: 480-71922-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 11/24/14 07:15

Date Received: 11/25/14 09:00

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

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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

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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

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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

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Chain of Custody Record

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

TestAmerica Syracuse

N - None
O - AsNaO2
P - Na2O4S
Q - Na2SSO3
R - Na2SSSO3
S - H2SO4
T - TSP Dodecahydrate Special Instructions/Note: U - Acetone V - MCAA W - ph 4-5 Z - other (specify) Sompeony Company Months M - Hexane Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Mon COC No: 480-40022-10586.1 3500 Preservation Codes A - HCL
B - NaOH
C - Zn Acetate
D - Nutric Acid
F - NanSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid Page: Page 1 of 1 I - Ice J - Di Water K - EDTA L - EDA 480-71922 Chain of Custody 11125114 gop # Date/Time: 4-1/ Total Number of containers مر Method of Shipment: Special Instructions/QC Requirements Analysis Requested Cooler Temperature(s) °C and Other Remarks: Lab PM: Deyo, Melissa L E-Mait melissa:deyo@testamericainc.com Received by SpiloS Layer - Total Dissolved Solids 13 Spilos papuadeng IstoI - Cotigs Ë Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) J C/1/2 Company 186 (W=water, S=solid, O≈waste/oil, BT=Tissue, Preservation Code: Water mpany Radiological Sampler MAKTHE Kreiber CIKE G=grab) (C=comp, 25 Sample Type 19:00 Phone: 315-1307-1302 Sample Time Date: Unknown Date/Time: // -24-/-/ Date/Time: FAT Requested (days): 1/-44-14 Due Date Requested: Sample Date PO#: 11312000EST 11-48-11 Project #: 48008584 SSOW#: Poison B # ON П Skin Irritant Deliverable Requested: I, II, III, IV. Other (specify) Custody Seal No. 333 West Washington St. PO BOX 4873 315-956-6100(Tel) 315-463-7554(Fax) Non-Hazard Telammable Company: O'Brien & Gere Inc of North America Possible Hazard Identification Mit. mpty Kit Relinquished by: Custody Seals Intact:
A Yes A No Project Name: Former Accurate Die Cast Sample Identification Client Information Yuri.Veliz@obg.com slinquished by elinquished by elinquished by East Syracuse Mr. Yuri Veliz State, Zip: NY, 13221 Effluent

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

ordatori realis, orinto in		
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 Buffalo

12/1/2014



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

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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

Quality Control

Relative error ratio

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

TestAmerica Job ID: 480-72136-1

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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

QC

RER

RPD

TEF

TEQ

RL

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	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

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.

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Detection Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-72136-1

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Client Sample ID: EFFLUENT

Lab Sample ID: 480-72136-1

No Detections.

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		8260C	Total/NA

Client Sample ID: EFFLUENT	Lab Sample ID: 480-72136-3
Olicilit Callipic ID. El I ECEITI	Eup Cumple ID: 400 / E100 0

Analyte	Result	Qualifier	RL	MDL	Unit	Dil		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.

Client Sample Results

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

TestAmerica Job ID: 480-72136-1

Lab Sample ID: 480-72136-1

Matrix: Water

Date Collected: 12/01/14 07:30 Date Received: 12/02/14 01:00

Client Sample ID: EFFLUENT

Method: 8260C - Volatile Organ	nic 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

Lab Sample ID: 480-72136-2 Date Collected: 12/01/14 07:30 Matrix: Water

Date Received: 12/02/14 01:00

_		

Method: 8260C - Volatile Orga	nic 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

Client Sample ID: EFFLUENT	Lab Sample ID: 480-72136-3
Date Collected: 12/01/14 07:30	Matrix: Water

71 - 126

60 - 140

108

Date Received: 12/02/14 01:00

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

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	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	ma/L			12/03/14 11:45	1

TestAmerica Buffalo

12/10/14 14:13

12/10/14 14:13

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

_				Percent Sur	rogate Rec
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(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)

TestAmerica Job ID: 480-72136-1

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

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

Lab Sample ID: MB 480-218242/7

Matrix: Water

Analysis Batch: 218242

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

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

MB MB

Surrogate	%Recovery	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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

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

LCS LCS

Surrogate	%Recovery	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

MB MB

Analyte	Result 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

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Suspended Solids	261	236.4		mg/L	_	91	88 - 110	

TestAmerica Buffalo

Page 8 of 16

QC 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: Method Blank

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-216817/1

Matrix: Water

Analysis Batch: 216817

	Prep Type: Total/NA

MB MB

AnalyteResult
Total Dissolved SolidsQualifierRLMDLUnitDPreparedAnalyzedDil FacTotal Dissolved SolidsND10.04.0mg/L12/02/14 14:581

Lab Sample ID: LCS 480-216817/2

Matrix: Water

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 216817

 Analyte
 Added Total Dissolved Solids
 Result Spike
 LCS LCS
 %Rec.

 Total Dissolved Solids
 504
 506.0
 mg/L
 100
 85 - 115

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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	

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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

Lab Sample ID: 480-72136-1

Matrix: Water

Date Received: 12/02/14 01:00

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

Client Sample ID: BETWEEN CARBON

Lab Sample ID: 480-72136-2

Matrix: Water

Date Collected: 12/01/14 07:30 Date Received: 12/02/14 01:00

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

Client Sample ID: EFFLUENT

Lab Sample ID: 480-72136-3

Matrix: Water

Date Collected: 12/01/14 07:30 Date Received: 12/02/14 01:00

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

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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

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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

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Phone (315) 431-0171 Fax (315) xxx-xxxx

Syracuse, NY 13211

118 Boss Rd

TestAmerica Syracuse

Chain of Custody Record

0 - AsNaO2 P - Na2O4S Q - Na2SSO3 R - Na2SSSO3 S - H2SO4 T - TSP Dodecatydrate Special Instructions/Note: V - MCAA W - ph 4-5 Z - other (specify) Months Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) COC No: 480-39996-10588.1 Preservation Codes: 800 H - Ascorbic Acid A - HCL B - NaOH C - Zn Acetate D - Nitric Acid Page: Page 1 of 1 Job#: E - NaHSO4 F - MeOH G - Amchlor I - Iœ J - Di Water K - EDTA L - EDA Archive For 11/Z9) 480-72136 Chain of Custody Total Number of containers M 3 6 11/1 3 Method of Shipment: Camer Tracking No(s): Disposal By Lab Analysis Requested Cooler Temperature(s) °C and Other Remarks: Special Instructions/QC Requirements: E-Mail: melissa.deyo@testamericainc.com 3260C - Volatile Organic Compounds α 3 eceived by: 2040C_Calcd - Total Dissolved Solids Lab PM: Deyo, Melissa L etioim MS/MSD (Yes or No) 14 Time: -jeld Elitered Samble (Yes or No) Company O O O Preservation Code: (W=water, S=solid, O=waste/oil, BT=Tissue, Water Water woter A=Air) Company Company Radiological (C=comp, G=grab) Sampler MARTIN KOENNEKE Sample Type ٩ (2) Phone: 315-729-1300 7:30 Sample 1:30 Time 730 Date: Unknown TAT Requested (days): Due Date Requested: PO#: 11312000EST Sample Date H-1-61 H-1-81 11-1-01 14-1-61 Project #: 48008584 SSOW#: Date/Time: WO# Poison B Skin Irritant University Hazard Skin Intit Custody Seals Intact: Custody Seal No. 333 West Washington St. PO BOX 4873 ³15-956-6100(Tel) 315-463-7554(Fax) O'Brien & Gere Inc of North America Possible Hazard Identification mpty Kit Relinquished by: Former Accurate Die Cast inquished by: Client Information Sample Identification /uri.Veliz@obg.com Between Carbons FILLENI City: East Syracuse Client Contact Mr. Yuri Veliz linquished by: elinquished by: State, Zip: NY, 13221 Effluent

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	

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THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica

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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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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-72899-1

Glossary

TEQ

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

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.

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Detection Summary

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

Client Sample ID: EFFLUENT

TestAmerica Job ID: 480-72899-1

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

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Client Sample Results

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

TestAmerica Job ID: 480-72899-1

Lab Sample ID: 480-72899-1

Matrix: Water

Date Collected: 12/11/14 08:15 Date Received: 12/12/14 04:40

Client Sample ID: EFFLUENT

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

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

2

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

Lab Sample ID: MB 480-219063/1

Matrix: Water

Analysis Batch: 219063

Prep Type: Total/NA

MB MB

AnalyteResultQualifierRLRLUnitDPreparedAnalyzedDil FacTotal Suspended SolidsND4.04.0mg/L12/15/14 03:121

Lab Sample ID: LCS 480-219063/2

Matrix: Water

Analysis Batch: 219063

 Analyte
 Added Total Suspended Solids
 Aggested Solids
 LCS LCS
 KRec.

 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

MB MB

Lab Sample ID: LCS 480-219404/2

Matrix: Water

Analysis Batch: 219404

 Analyte
 Added
 Result
 Qualifier
 Unit
 D
 %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	

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Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-72899-1

Lab Sample ID: 480-72899-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 12/11/14 08:15

Date Received: 12/12/14 04:40

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

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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

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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

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Sample Summary

Matrix

Water

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

Client Sample ID

EFFLUENT

Lab Sample ID

480-72899-1

TestAmerica Job ID: 480-72899-1

Collected	Received

12/11/14 08:15

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12/12/14 04:40

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Chain of Custody Record

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

TestAmerica Syracuse

118 Boss Rd

P - Na204S Q - Na2SO3 R - Na2S2SO3 S - H2SO4 T - TSP Dodecahydrate Special Instructions/Note: Company Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Horive For Mon COC No: 480-40042-10586.1 Page: Page 1 of 1 Preservation Codes SUTO E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA. 480-72899 Chain of Custody Total Number of containers 16 井る Method of Shipment: Analysis Requested Cooler Temperature(s) °C and Other Remarks: Special Instructions/QC Requirements: Lab PM: Deyo, Melissa L E-Mail: melissa.deyo@testamericainc.com Received by: sbilos bebneqsus IstoT - Cotas Time: Company 6 Preservation Code: (W=water, S=solid, O=waste/oil, BT=Tissue, Water Company Radiological Sample Type (C=comp, G=grab) Koennaky 19:18 00:11 Phone 315-134-1360 Sample 8115 Time Date: Sampler MARE IN Unknown Date/Time: / ユーバー / イ TAT Requested (days): Due Date Requested: PO#: 11312000EST Sample Date h1-11-81 Project #: 48008584 SSOW#: Date/Time: WO# Poison B Skin Imiant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No.: 333 West Washington St. PO BOX 4873 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Company: O'Brien & Gere Inc of North America mpty Kit Relinquished by: Former Accurate Die Cast Custody Seals Intact: Δ Yes Δ No Client Information Sample Identification ruri. Veliz@obg.com Non-Hazard East Syracuse Mr. Yuri Veliz finquished by: d pausing State, Zip: NY, 13221 Huent

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

ordatori realis, orinto in		
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	

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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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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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-73056-1

Glossary

TEQ

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

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.

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Detection Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-73056-1

Lab Sample ID: 480-73056-1

Client Sample ID: EFFLUENT

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.

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Client Sample Results

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

TestAmerica Job ID: 480-73056-1

Lab Sample ID: 480-73056-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 12/15/14 07:20

Date Received: 12/16/14 02:00

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 Lab Sample ID: 480-73056-2

Date Collected: 12/15/14 07:20 Matrix: Water

Date Received: 12/16/14 02:00

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		ug/L			12/27/14 12:32	1
Methyl acetate	ND	2.5		ug/L			12/27/14 12:32	1
Methyl tert-butyl ether	ND	1.0		ug/L			12/27/14 12:32	1
Methylcyclohexane	ND	1.0		ug/L			12/27/14 12:32	1
Methylene Chloride	ND	1.0	0.44	•			12/27/14 12:32	1

TestAmerica Buffalo

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12/30/2014

Client Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-73056-1

Lab Sample ID: 480-73056-2

Matrix: Water

Client Sample ID: EFFLUENT

Date Collected: 12/15/14 07:20 Date Received: 12/16/14 02:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	MD		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

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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

				Percent Sui	rrogate Red
		TOL	12DCE	BFB	DBFM
Lab Sample ID	Client Sample ID	(71-126)	(66-137)	(73-120)	(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

TOL = Toluene-d8 (Surr)

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

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TestAmerica Buffalo

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TestAmerica Job ID: 480-73056-1

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

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

Lab Sample ID: MB 480-220907/7

Matrix: Water

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

Analysis Batch: 220907	мв мі	В							
Analyte	Result Qu		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1,1,1-Trichloroethane	ND ND		1.0	0.82				12/27/14 11:45	
1,1,2,2-Tetrachloroethane	ND		1.0	0.21				12/27/14 11:45	
1,1,2-Trichloroethane	ND		1.0	0.23				12/27/14 11:45	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31				12/27/14 11:45	
1,1-Dichloroethane	ND		1.0	0.38				12/27/14 11:45	
1,1-Dichloroethene	ND		1.0		ug/L			12/27/14 11:45	
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/27/14 11:45	
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	-			12/27/14 11:45	
1,2-Dichlorobenzene	ND		1.0	0.79	-			12/27/14 11:45	
1,2-Dichloroethane	ND		1.0		ug/L			12/27/14 11:45	
1,2-Dichloropropane	ND		1.0	0.72	-			12/27/14 11:45	
1,3-Dichlorobenzene	ND		1.0		ug/L			12/27/14 11:45	
1,4-Dichlorobenzene	ND		1.0		ug/L			12/27/14 11:45	
2-Butanone (MEK)	ND		10		ug/L			12/27/14 11:45	
2-Hexanone	ND		5.0		ug/L			12/27/14 11:45	
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/27/14 11:45	
Acetone	ND		10		ug/L			12/27/14 11:45	
Benzene	ND		1.0	0.41				12/27/14 11:45	
Bromodichloromethane	ND		1.0	0.39				12/27/14 11:45	
Bromoform	ND		1.0	0.26	_			12/27/14 11:45	
Bromomethane	ND		1.0		ug/L			12/27/14 11:45	
Carbon disulfide	ND		1.0	0.19				12/27/14 11:45	
Carbon tetrachloride	ND		1.0		ug/L			12/27/14 11:45	
Chlorobenzene	ND		1.0	0.75	_			12/27/14 11:45	
Dibromochloromethane	ND		1.0	0.32				12/27/14 11:45	
Chloroethane	ND		1.0	0.32	-			12/27/14 11:45	
Chloroform	ND		1.0	0.34	-			12/27/14 11:45	
Chloromethane	ND		1.0	0.35				12/27/14 11:45	
cis-1,2-Dichloroethene	ND		1.0	0.81				12/27/14 11:45	
cis-1,3-Dichloropropene	ND		1.0	0.36				12/27/14 11:45	
Cyclohexane	ND		1.0	0.30				12/27/14 11:45	
Dichlorodifluoromethane	ND		1.0	0.10	_			12/27/14 11:45	
Ethylbenzene	ND		1.0	0.74	_			12/27/14 11:45	
1,2-Dibromoethane	ND		1.0	0.74				12/27/14 11:45	
	ND				_				
Isopropylbenzene Methyl gestate	ND		1.0 2.5	0.79	•			12/27/14 11:45	
Methyl acetate				0.50				12/27/14 11:45	
Methyl tert-butyl ether	ND		1.0	0.16				12/27/14 11:45	
Methylogo Chlorido	ND		1.0	0.16				12/27/14 11:45	
Methylene Chloride	ND		1.0		ug/L			12/27/14 11:45	
Styrene	ND		1.0		ug/L			12/27/14 11:45	
Tetrachloroethene	ND		1.0		ug/L			12/27/14 11:45	
Toluene	ND		1.0		ug/L			12/27/14 11:45	
trans-1,2-Dichloroethene	ND		1.0	0.90				12/27/14 11:45	
trans-1,3-Dichloropropene	ND		1.0	0.37				12/27/14 11:45	
Trichloroethene	ND		1.0		ug/L			12/27/14 11:45	
Trichlorofluoromethane	ND		1.0		ug/L			12/27/14 11:45	
Vinyl chloride	ND		1.0	0.90	-			12/27/14 11:45	
Xylenes, Total	ND		2.0	0.66	ug/L			12/27/14 11:45	

TestAmerica Buffalo

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

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

MB MB

Lab Sample ID: MB 480-220907/7

Matrix: Water

Analysis Batch: 220907

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

Surrogate	%Recovery	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

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit %Rec Limits 25.0 1,1-Dichloroethane 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 71 - 124 Benzene 25.0 23.7 ug/L 95 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 99 74 - 122 24.6 ug/L 25.0 80 - 122 Toluene 23.4 ug/L ug/L trans-1,2-Dichloroethene 25.0 23.7 95 73 - 127 Trichloroethene 25.0 23.6 ug/L 74 - 123

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

мв мв Analyte Result Qualifier RL **RL** Unit Prepared Analyzed Dil Fac **Total Suspended Solids** ND 4.0 4.0 mg/L 12/17/14 01:32

Lab Sample ID: LCS 480-219523/2

Matrix: Water

Analysis Batch: 219523

	Spike	LCS I	LCS			%Rec.	
Analyte	Added	Result (Qualifier Unit	D	%Rec	Limits	
Total Suspended Solids	259	236.8	mg/L		91	88 - 110	

TestAmerica Buffalo

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

QC Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-73056-1

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Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-220145/1 Client Matrix: Water

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

Analysis Batch: 220145

Total Dissolved Solids

Analyte

 MB
 MB

 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 ND
 10.0
 4.0
 mg/L
 12/19/14 12:45
 1

Lab Sample ID: LCS 480-220145/2

Matrix: Water

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

Analysis Batch: 220145

 Analyte
 Added Dissolved Solids
 Result Dissolved Solids
 Qualifier LCS LCS
 Unit Dissolved Solids
 D MRec Limits

 Total Dissolved Solids
 505
 462.0
 mg/L
 92
 85 - 115

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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	

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Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-73056-1

Lab Sample ID: 480-73056-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 12/15/14 07:20

Date Received: 12/16/14 02:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D			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 Lab Sample ID: 480-73056-2

Date Collected: 12/15/14 07:20 Matrix: Water

Date Received: 12/16/14 07:20 Matrix: water

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

Laboratory References:

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

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Certification Summary

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-73056-1

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

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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

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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

TestAmerica Syracuse 118 Boss Rd Syracuse, NY 13211 Phone (316) 431-0171 Fax (315) xxx-xxx	Cha	ain of C	ain of Custody Record	Record							לק וויים וויים וויים	ESTAMOTE THE LEASER IN ETWISCHMENTAL	lestAmerico
	Sampler. MAET IN KOEN'S ECKE	enwecke	Lab F Dey	Lab PM: Deyo, Melissa L	ļ		0	Carrier Track	Tracking No(s):		COC No: 480-40022-10586.1	10586.1	
	Phone: 315-729	-(300	E-Ma meli	E-Maii: melissa.deyo@testamericainc.com	testameri	cainc.cor					Page: Page 1 of 1		
Inc of North America				Statelentronnum		Analy	Analysis Requested	ested			Job #;		
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:										Preservation Codes:	1 Codes:	
City: East Syracuse	TAT Requested (days):				spino						B - NaOH C - Zn Acetate		kalle ne NaO2
State, Zip: NY, 13221					wo						D - Nitric Acid		P - Na2O4S Q - Na2SO3 B Na2SO5
00(Tel) 315-463-7554(Fax)	PO#: 11312000EST			(0						ا المتعدد	G - Amchlor H - Ascorbic A		SO4 Dodecahvdrate
moo.goo	WO #:		5	(ON							I - Ice J - DI Water		stone AA
Cast	Project #: 48008584			10 S							K - EDTA	W - ph Z - othe	W - ph 4-5 Z - other (specify)
	SSOW#:			Y) as	10 IB10						Other		
	()	0	Matrix ole (W=water, S=solid, O=waste/oli, BT=Tissue,	betetliä ble M/2M (mrofti u2 istoT - 004	17- DOLC CAICA - T				*	le l	redmin/let		
Sample Identification	Sample Date T	Time G=gra	G=grab) A=Air) Presentiation Code:	a S	-						A	Special Instructions/Note:	ons/Note:
Effuent	7 41-31-81	06:7	Water		''		- 			7 .48	68		1
日本にかり		7:30 6	WATER		9					(1)	2		
	•												
								<u> </u>	<u> </u>		Tig.		
								■ 84	-73056		Custody		
				er horner an	-								
			:		-								
Possible Hazard Identification	on B Unknown	Radiological	aical	Sample	le Disposal (A 1 Retum To Client	II (A fee	may be as:	assessed if san Disposal By Lab	sample	s are reta	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Hothis For Mon	ian 1 monti	nth) Months
ested: I, II, III, IV, Other (specify)				Special	Instructio	ns/QC R	Special Instructions/QC Requirements:	is:					
Empty Kit Relinquished by:	Date			Time:				Methoc	Method of Shipment:	nt			
Mostitional	Date/Time: 13~15~14	10:00	Company OBC	Rece	Received/by	1.63	4		Date/Time:	ime:	1: 01 h	Company	27
Druchile	Date/Time: パンパーパーリー	19:00	Compay	Rec	Received by:	18 S	3	\	Date/Time	17]	(flig of	0200 Company	X.
Relinquished by:	Date/Time:		Company	Reck	Received by:			}	Date/Time:	ime:		Company	ny
Custody Seals Infact: Custody Seal No.:				Cool	er Temperal	ure(s) °C a	Cooler Temperature(s) °C and Other Remarks:	arks:	7.4	# 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	

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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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Visit us at: www.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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-73488-1

Glossary

TEQ

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

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.

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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

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Client Sample Results

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

Client Sample ID: EFFLUENT

TestAmerica Job ID: 480-73488-1

Lab Sample ID: 480-73488-1

Matrix: Water

Date Collected: 12/22/14 06:15
Date Received: 12/24/14 11:00

Canaral Chamistry

Ge	neral Chemistry									
Ana	ilyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tot	al Dissolved Solids	652		10.0	4.0	mg/L			12/27/14 13:43	1
Ana	llyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tota	al Suspended Solids	ND		4.0	4.0	mg/L			12/29/14 22:03	1

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QC Sample Results

RL

4.0

RL

10.0

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

Lab Sample ID: MB 480-221102/1

Lab Sample ID: LCS 480-221102/2

Analysis Batch: 221102

Total Suspended Solids

Matrix: Water

Matrix: Water

Matrix: Water

Total Dissolved Solids

Analyte

Analyte

TestAmerica Job ID: 480-73488-1

Dil Fac

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

Analyzed

12/29/14 22:03

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

%Rec.

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

Analysis Batch: 221102

Analyte

Method: SM2540 C - Total Dissolved Solids

Total Suspended Solids

мв мв

ND

Result Qualifier

Result Qualifier

ND

Added 274

Spike

LCS LCS Result Qualifier 254.8

RL Unit

4.0 mg/L

Unit mg/L

D

%Rec Limits 93 88 - 110

Prepared

Client Sample ID: Method Blank

Analyzed

12/27/14 13:43

Prep Type: Total/NA

Dil Fac

MR MR

LCS LCS

468.0

Result Qualifier

MDL Unit

4.0 mg/L

mg/L

Lab Sample ID: LCS 480-220920/2

Lab Sample ID: MB 480-220920/1

Matrix: Water Analysis Batch: 220920

Analysis Batch: 220920

Spike Added Total Dissolved Solids 505 Client Sample ID: Lab Control Sample Prep Type: Total/NA

85 - 115

%Rec. Unit %Rec Limits

93

Prepared

TestAmerica Buffalo

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	

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Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-73488-1

Lab Sample ID: 480-73488-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 12/22/14 06:15

Date Received: 12/24/14 11:00

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

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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

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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

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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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TestAmerica	COC No: 480-40042-10586.1	Page: Page 1 of 1	3ob #;	ρος		D - Nitric Acid P - Na2O.4S E - NaHSO.4 Q - Na2SO.3 F - MeOH R - Na2S2SO.3	G - Amotior S - H2SO4 H - Ascorbic Acid T - TSP Dodecalydrate	i - Ice J - Di Water K - EDTA	L-EDA	Confer.	Total Mumber		166					4.5		are retained longer than 1 month) Archive For Months			100 Sept (Company)	Pay 14 11:00 The ZUC	00 . 2	サータンタ
	Carrier Tracking No(s):	ricainc.com	Analysis Requested																	ee may be assessed if samples	Requirements:	Method of Shipmeht	UNDER PLOS PATE TO THE	Detertine: Detertine:	rature(s) °C and Other Remarks:	
of Custody Record			,				1,80	(ÖV) sbild	os pep	ueder ()/gs dwes	Sample (wester, Po G G T T T T T T T T T T T T T T T T T	ation Code: XXN I	// Water // / / /				40.002			Sample Disposal (A i		Time:	O COMPANY & RESTRICTION OF	Company Received by:	Cooler Temperature(s)	
Chain of C	Sampler Rennick	1		Due Date Requested:	TAT Requested (days):		PO# 11312000EST	;* OM	Project #: 48008584	SSOW#:	Sample Date Time G=c	X	13-32-14 16:15	-						Poison B		Date:	Date/Time: 5:5	Date/Time:		
TestAmerica Syracuse 118 Boss Rd Syracuse, NY 12211 Phone (315) 431-0171 Fax (315) xxx-xxx	Client Information	Client Contact: Mr. Yuri Veliz	Сопралу. 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	Sife:	Samula Idantification		Effluent				480-73488 Chain of Custody			ant .		Empty Kit Relinquished by:	Relinquished by Arm Ferring	Relinguished by: WMM MC Mean Relinguished by:	Custody Seals Intact Custody Seal No	

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	

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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: 480-73572-1

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

.....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

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 480-73572-1

Glossary

TEQ

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

TestAmerica Buffalo

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.

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Detection Summary

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

Client Sample ID: EFFLUENT

TestAmerica Job ID: 480-73572-1

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		SM2540 C	Total/NA

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Client Sample Results

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-73572-1

Lab Sample ID: 480-73572-1

Matrix: Water

Date Collected: 12/29/14 07:20 Date Received: 12/30/14 09:15

Client Sample ID: EFFLUENT

(General Chemistry									
1	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	<u> </u>		01/02/15 19:31	1

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QC Sample Results

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

TestAmerica Job ID: 480-73572-1

Prep Type: Total/NA

Prep Type: Total/NA

Dil Fac

Method: SM 2540D - Solids, Total Suspended (TSS)	
Lab Sample ID: MB 480-221578/1	Client Sample ID: Method Blank

Lab Sample ID: MB 480-221578/1 **Matrix: Water**

Analysis Batch: 221578

мв мв

Result Qualifier RL RL Unit Analyte D Prepared Analyzed Dil Fac 4.0 4.0 mg/L 01/02/15 19:31 **Total Suspended Solids** ND

Lab Sample ID: LCS 480-221578/2

Matrix: Water

Analysis Batch: 221578

Analyte **Total Suspended Solids**

Spike Added 261

LCS LCS 244.4

Result Qualifier

Unit mg/L %Rec 94

88 - 110

Client Sample ID: Method Blank

Analyzed

12/31/14 11:14

Client Sample ID: Lab Control Sample

%Rec.

Limits

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-221362/1

Lab Sample ID: LCS 480-221362/2

Matrix: Water

Analysis Batch: 221362

MR MR

Analyte Result Qualifier Total Dissolved Solids ND

RL 10.0 MDL Unit 4.0 mg/L

Prepared

%Rec

96

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 221362

Analyte

Total Dissolved Solids

Spike Added 505

LCS LCS Result Qualifier 483.0

mg/L

Unit

%Rec. Limits 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	

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Lab Chronicle

Client: O'Brien & Gere Inc of North America Project/Site: Former Accurate Die Cast TestAmerica Job ID: 480-73572-1

Lab Sample ID: 480-73572-1

Matrix: Water

Client Sample ID: EFFLUENT Date Collected: 12/29/14 07:20

Date Received: 12/30/14 09:15

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

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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

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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

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Sample Summary

Matrix

Water

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

Client Sample ID

EFFLUENT

Lab Sample ID

480-73572-1

TestAmerica Job ID: 480-73572-1

12/29/14 07:20 12/30/14 09:15

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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

oronton outnoing out in		
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	

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