

Mr. Michael Belveg

Regional Enforcement Coordinator – Region 7
New York State Department of Environmental Conservation
615 Erie Blvd. West
Syracuse, NY 13204

Date October 28, 2020

**Former Accurate Die Casting Site (Site No. 734052),
Fayetteville, NY**

Dear Mr. Belveg:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site (Site No. 734052) in Fayetteville, New York for the third quarter of 2020 (July 1 through September 30, 2020). 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.

Ramboll
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Operation Status and Activities Completed

As of September 30, 2020, a total of 124,294,906 gallons of groundwater have been treated since startup on February 5, 1996. From July 1 to September 30, 2020, 798,241 gallons of groundwater were treated: 170,127 gallons from recovery well RW-1; 627,920 gallons from recovery well RW-2; and 194 gallons from the collection trench constructed in the former VOC/PAH/PCB Soils Area. No groundwater was recovered from the overburden groundwater collection sump located in the former soil excavation area along the northwest side of the former manufacturing building.

The analytical results associated with the SPDES Fact Sheet monitoring activities performed during July, August, and September 2020 are summarized in **Table 1**. The effluent quality during the period complied with the SPDES discharge limits. The laboratory analytical data sheets are provided as **Attachment A**.

On August 12, 2020, the groundwater treatment system was shut down due to a failure of the transfer pump between the groundwater holding tank and the granulated activated carbon (GAC) vessels. The transfer pump was replaced on August 24, 2020 and the system was restarted that day.

Activities Scheduled

The groundwater recovery and treatment system will continue to be operated and the SPDES monitoring will continue to be conducted.

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

Yours sincerely



Douglas M. Crawford, PE

Vice President
ENVIRONMENT & HEALTH, AMERICAS

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cc: H. Warner – New York State Department of Environmental Conservation
E. O’Neil - New York State Department of Health
S. McLaughlin - New York State Department of Health
T. Slutzky – The Anderson Company
J. Stanek – ITT Corporation
E. Gernant – Ramboll, Office of General Counsel



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

Analyte (units)	Monitoring Requirements				Effluent 7/1/2020	Effluent 7/2/2020	Effluent 7/6/2020	Effluent 7/8/2020	Effluent 7/10/2020	Effluent 7/13/2020	Effluent 7/15/2020	Effluent 7/16/2020	Effluent 7/17/2020	Effluent 7/20/2020	Effluent 7/23/2020	Effluent 7/27/2020
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample												
	Daily Average	Daily Maximum	Frequency (1)	Type												
Flow (GPD)	Monitor	150000	Continuous	Meter	2595	11258	10412	10067	9945	9859	10201	10366	10132	10464	10393	10600
pH (SU)	6.5-8.5		2/Week	Grab	7.8	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.				4 U		4 U				4 U		4 UH
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.				594		694				751		733
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.												
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.												
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab				1 U						1 U		
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab				1 U						1 U		
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab				1 U						1 U		
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab				1 U						1 U		
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab				1 U						1 U		
Toluene (ug/L)	Monitor	20	2/Month	Grab				1 U						1 U		
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab				1 U						1 U		

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



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

Analyte (units)	Monitoring Requirements				Effluent 7/30/2020	Effluent 7/31/2020	Effluent 8/3/2020	Effluent 8/5/2020	Effluent 8/7/2020	Effluent 8/10/2020	Effluent 8/11/2020	Effluent 8/12/2020	Effluent 8/25/2020	Effluent 8/26/2020	Effluent 8/28/2020	Effluent 8/31/2020
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample												
	Daily Average	Daily Maximum	Frequency (1)	Type												
Flow (GPD)	Monitor	150000	Continuous	Meter	10862	11155	10612	11370	11422	9066	12433	11740	12552	11994	23034	9224
pH (SU)	6.5-8.5		2/Week	Grab	8.1	8.1	8.1	8.1	8.1	7.8	8.2	8.1	8.2	8.3	8.2	8.1
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.			4 U				4 U		4 U			
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.			720				592		579			
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.												
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.												
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U						1 U			
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U						1 U			
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab			1 U						1 U			
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab			1 U						1 U			
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U						1 U			
Toluene (ug/L)	Monitor	20	2/Month	Grab			1 U						1 U			
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U						1 U			

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



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

Analyte (units)	Monitoring Requirements				Effluent 9/1/2020	Effluent 9/3/2020	Effluent 9/8/2020	Effluent 9/11/2020	Effluent 9/14/2020	Effluent 9/16/2020	Effluent 9/21/2020	Effluent 9/25/2020	Effluent 9/28/2020	Effluent 9/29/2020
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample										
	Daily Average	Daily Maximum	Frequency (1)	Type										
Flow (GPD)	Monitor	150000	Continuous	Meter	7599	11606	10814	7948	10374	10013	9621	9254	8963	8807
pH (SU)	6.5-8.5		2/Week	Grab	8	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4 U		4 U			4 U		4 U		4 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	537		790			723		756		713
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	0.0002 U									
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	0.0051 JB									
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U				
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U				
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	1 U					1 U				
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U				
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U				
Toluene (ug/L)	Monitor	20	2/Month	Grab	1 U					1 U				
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	1 U					1 U				

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

ATTACHMENT A

EFFLUENT MONITORING LABORATORY REPORTS

ANALYTICAL REPORT

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

Laboratory Job ID: 480-172125-1
Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:
7/15/2020 12:36:06 PM
Rebecca Jones, Project Management Assistant I
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Designee for
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LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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

Job ID: 480-172125-1

Glossary

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

Case Narrative

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

Job ID: 480-172125-1

Job ID: 480-172125-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-172125-1

Comments

No additional comments.

Receipt

The samples were received on 7/9/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

GC/MS VOA

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

General Chemistry

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

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

Detection Summary

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

Job ID: 480-172125-1

Client Sample ID: EFFLUENT 070820 COMP

Lab Sample ID: 480-172125-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	594		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 070820

Lab Sample ID: 480-172125-2

No Detections.

Client Sample ID: EFFLUENT 070820 GRAB

Lab Sample ID: 480-172125-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



Client Sample Results

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

Job ID: 480-172125-1

Client Sample ID: EFFLUENT 070820 COMP

Lab Sample ID: 480-172125-1

Date Collected: 07/08/20 07:15

Matrix: Water

Date Received: 07/09/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	594		10.0	4.0	mg/L			07/10/20 17:56	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/10/20 22:56	1

Client Sample ID: BETWEEN CARBONS 070820

Lab Sample ID: 480-172125-2

Date Collected: 07/08/20 07:15

Matrix: Water

Date Received: 07/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/13/20 12:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/13/20 12:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/13/20 12:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/13/20 12:47	1
Toluene	ND		1.0	0.51	ug/L			07/13/20 12:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/13/20 12:47	1
Trichloroethene	ND		1.0	0.46	ug/L			07/13/20 12:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120					07/13/20 12:47	1
4-Bromofluorobenzene (Surr)	112		73 - 120					07/13/20 12:47	1
Toluene-d8 (Surr)	96		80 - 120					07/13/20 12:47	1
Dibromofluoromethane (Surr)	118		75 - 123					07/13/20 12:47	1

Client Sample ID: EFFLUENT 070820 GRAB

Lab Sample ID: 480-172125-3

Date Collected: 07/08/20 07:15

Matrix: Water

Date Received: 07/09/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/13/20 13:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/13/20 13:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/13/20 13:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/13/20 13:11	1
Toluene	ND		1.0	0.51	ug/L			07/13/20 13:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/13/20 13:11	1
Trichloroethene	ND		1.0	0.46	ug/L			07/13/20 13:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		77 - 120					07/13/20 13:11	1
4-Bromofluorobenzene (Surr)	113		73 - 120					07/13/20 13:11	1
Toluene-d8 (Surr)	98		80 - 120					07/13/20 13:11	1
Dibromofluoromethane (Surr)	121		75 - 123					07/13/20 13:11	1

Surrogate Summary

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

Job ID: 480-172125-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-172125-2	BETWEEN CARBONS 070820	117	112	96	118
480-172125-3	EFFLUENT 070820 GRAB	118	113	98	121
LCS 480-540161/6	Lab Control Sample	110	116	98	116
MB 480-540161/8	Method Blank	115	112	97	117

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-172125-1

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

Lab Sample ID: MB 480-540161/8
Matrix: Water
Analysis Batch: 540161

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/13/20 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/13/20 12:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/13/20 12:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/13/20 12:15	1
Toluene	ND		1.0	0.51	ug/L			07/13/20 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/13/20 12:15	1
Trichloroethene	ND		1.0	0.46	ug/L			07/13/20 12:15	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		07/13/20 12:15	1
4-Bromofluorobenzene (Surr)	112		73 - 120		07/13/20 12:15	1
Toluene-d8 (Surr)	97		80 - 120		07/13/20 12:15	1
Dibromofluoromethane (Surr)	117		75 - 123		07/13/20 12:15	1

Lab Sample ID: LCS 480-540161/6
Matrix: Water
Analysis Batch: 540161

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	21.9		ug/L		88	76 - 120
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
Methylene Chloride	25.0	22.3		ug/L		89	75 - 124
Tetrachloroethene	25.0	28.2		ug/L		113	74 - 122
Toluene	25.0	22.5		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
Trichloroethene	25.0	25.1		ug/L		101	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	116		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	116		75 - 123

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

Lab Sample ID: MB 480-540055/1
Matrix: Water
Analysis Batch: 540055

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

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		1.0	1.0	mg/L			07/10/20 22:56	1

Lab Sample ID: LCS 480-540055/2
Matrix: Water
Analysis Batch: 540055

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Suspended Solids	278	260.0		mg/L		94	88 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-172125-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-540049/1
Matrix: Water
Analysis Batch: 540049

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			07/10/20 17:56	1

Lab Sample ID: LCS 480-540049/2
Matrix: Water
Analysis Batch: 540049

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	504	505.0		mg/L		100	85 - 115

Lab Sample ID: 480-172125-1 DU
Matrix: Water
Analysis Batch: 540049

Client Sample ID: EFFLUENT 070820 COMP
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	594		563.0		mg/L		5	10

QC Association Summary

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

Job ID: 480-172125-1

GC/MS VOA

Analysis Batch: 540161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172125-2	BETWEEN CARBONS 070820	Total/NA	Water	8260C	
480-172125-3	EFFLUENT 070820 GRAB	Total/NA	Water	8260C	
MB 480-540161/8	Method Blank	Total/NA	Water	8260C	
LCS 480-540161/6	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 540049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172125-1	EFFLUENT 070820 COMP	Total/NA	Water	SM2540 C	
MB 480-540049/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-540049/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-172125-1 DU	EFFLUENT 070820 COMP	Total/NA	Water	SM2540 C	

Analysis Batch: 540055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172125-1	EFFLUENT 070820 COMP	Total/NA	Water	SM 2540D	
MB 480-540055/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-540055/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

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

Job ID: 480-172125-1

Client Sample ID: EFFLUENT 070820 COMP

Lab Sample ID: 480-172125-1

Date Collected: 07/08/20 07:15

Matrix: Water

Date Received: 07/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	540055	07/10/20 22:56	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	540049	07/10/20 17:56	E1T	TAL BUF

Client Sample ID: BETWEEN CARBONS 070820

Lab Sample ID: 480-172125-2

Date Collected: 07/08/20 07:15

Matrix: Water

Date Received: 07/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	540161	07/13/20 12:47	CRL	TAL BUF

Client Sample ID: EFFLUENT 070820 GRAB

Lab Sample ID: 480-172125-3

Date Collected: 07/08/20 07:15

Matrix: Water

Date Received: 07/09/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	540161	07/13/20 13:11	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-172125-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

- 1
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Method Summary

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

Job ID: 480-172125-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 480-172125-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172125-1	EFFLUENT 070820 COMP	Water	07/08/20 07:15	07/09/20 08:00	
480-172125-2	BETWEEN CARBONS 070820	Water	07/08/20 07:15	07/09/20 08:00	
480-172125-3	EFFLUENT 070820 GRAB	Water	07/08/20 07:15	07/09/20 08:00	

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-172125-1

Login Number: 172125

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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	3.4 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-172296-1
Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



*Authorized for release by:
7/20/2020 9:06:36 AM*

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.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

Job ID: 480-172296-1

Glossary

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

Case Narrative

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

Job ID: 480-172296-1

Job ID: 480-172296-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-172296-1

Comments

No additional comments.

Receipt

The sample was received on 7/14/2020 8:00 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

General Chemistry

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

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Detection Summary

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

Job ID: 480-172296-1

Client Sample ID: EFFLUENT -071320

Lab Sample ID: 480-172296-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	694		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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Client Sample Results

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

Job ID: 480-172296-1

Client Sample ID: EFFLUENT -071320

Lab Sample ID: 480-172296-1

Date Collected: 07/13/20 07:15

Matrix: Wastewater

Date Received: 07/14/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	694		10.0	4.0	mg/L			07/14/20 17:01	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/14/20 19:03	1

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QC Sample Results

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

Job ID: 480-172296-1

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

Lab Sample ID: MB 480-540409/1
 Matrix: Water
 Analysis Batch: 540409

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			07/14/20 19:03	1

Lab Sample ID: LCS 480-540409/2
 Matrix: Water
 Analysis Batch: 540409

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	259	258.4		mg/L		100	88 - 110

Lab Sample ID: 480-172296-1 DU
 Matrix: Wastewater
 Analysis Batch: 540409

Client Sample ID: EFFLUENT -071320
 Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-540404/1
 Matrix: Water
 Analysis Batch: 540404

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			07/14/20 17:01	1

Lab Sample ID: LCS 480-540404/2
 Matrix: Water
 Analysis Batch: 540404

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	504	484.0		mg/L		96	85 - 115

Lab Sample ID: 480-172296-1 DU
 Matrix: Wastewater
 Analysis Batch: 540404

Client Sample ID: EFFLUENT -071320
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	694		715.0		mg/L		3	10

QC Association Summary

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

Job ID: 480-172296-1

General Chemistry

Analysis Batch: 540404

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172296-1	EFFLUENT -071320	Total/NA	Wastewater	SM2540 C	
MB 480-540404/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-540404/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-172296-1 DU	EFFLUENT -071320	Total/NA	Wastewater	SM2540 C	

Analysis Batch: 540409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172296-1	EFFLUENT -071320	Total/NA	Wastewater	SM 2540D	
MB 480-540409/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-540409/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-172296-1 DU	EFFLUENT -071320	Total/NA	Wastewater	SM 2540D	

Lab Chronicle

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

Job ID: 480-172296-1

Client Sample ID: EFFLUENT -071320

Lab Sample ID: 480-172296-1

Date Collected: 07/13/20 07:15

Matrix: Wastewater

Date Received: 07/14/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	540409	07/14/20 19:03	E1T	TAL BUF
Total/NA	Analysis	SM2540 C		1	540404	07/14/20 17:01	E1T	TAL BUF

Laboratory References:

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



Accreditation/Certification Summary

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

Job ID: 480-172296-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

- 1
- 2
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Method Summary

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

Job ID: 480-172296-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

Laboratory References:

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



Sample Summary

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

Job ID: 480-172296-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172296-1	EFFLUENT -071320	Wastewater	07/13/20 07:15	07/14/20 08:00	

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Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: yuri.veliz@ramboll.com Project Name: Former Accurate Die Cast Site: New York		Lab P/I: Schove, John R E-Mail: john.schove@testamericainc.com Camille Tech (MCA) Syracuse #225 COC No: 890-145321-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 12000090 WO #:		Analysis Requested	
Sample Identification Effluent 071320 PE 7-13-20		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids <input checked="" type="checkbox"/> N 2540C - Calcd - Total Dissolved Solids <input checked="" type="checkbox"/> N Total Number of Containers <input checked="" type="checkbox"/> 2 Special Instructions/Note:	
Sample Date: 7-13-20 Sample Time: 7:15 Sample Type (C=Comp, G=grab): C Matrix (Water, Gas, Oil, Other): Water Preservation Code:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AshNaO2 P - Na2SO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA Z - other (specify)	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)			
Empty Kit Relinquished by:			
Relinquished by: <i>Yuri Veliz</i> Relinquished by: <i>RC 19/1/16</i> Relinquished by:		Date: 7-13-20 / 10:25 Date/Time: 7-13-20, 19:00 Date/Time:	
Relinquished by: <i>RC 19/1/16</i> Relinquished by:		Date/Time: 7-13-20, 10:25 Date/Time: 7-13-20, 10:25 Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 31 #1	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-172296-1

Login Number: 172296

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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	3.1 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-172616-1
Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:
7/27/2020 10:57:56 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for
John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.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

Job ID: 480-172616-1

Glossary

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

Case Narrative

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

Job ID: 480-172616-1

Job ID: 480-172616-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-172616-1

Comments

No additional comments.

Receipt

The samples were received on 7/21/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

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

General Chemistry

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

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Detection Summary

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

Job ID: 480-172616-1

Client Sample ID: EFFLUENT 072020 COMP

Lab Sample ID: 480-172616-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	751		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 072020 GRAB

Lab Sample ID: 480-172616-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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Client Sample Results

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

Job ID: 480-172616-1

Client Sample ID: EFFLUENT 072020 COMP

Lab Sample ID: 480-172616-1

Date Collected: 07/20/20 07:00

Matrix: Water

Date Received: 07/21/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	751		10.0	4.0	mg/L			07/21/20 19:19	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/22/20 13:52	1

Client Sample ID: EFFLUENT 072020 GRAB

Lab Sample ID: 480-172616-2

Date Collected: 07/20/20 07:00

Matrix: Water

Date Received: 07/21/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/20 15:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/25/20 15:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/25/20 15:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/25/20 15:54	1
Toluene	ND		1.0	0.51	ug/L			07/25/20 15:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/25/20 15:54	1
Trichloroethene	ND		1.0	0.46	ug/L			07/25/20 15:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120					07/25/20 15:54	1
4-Bromofluorobenzene (Surr)	97		73 - 120					07/25/20 15:54	1
Toluene-d8 (Surr)	101		80 - 120					07/25/20 15:54	1
Dibromofluoromethane (Surr)	103		75 - 123					07/25/20 15:54	1

Surrogate Summary

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

Job ID: 480-172616-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	TOL	DBFM
		(77-120)	(73-120)	(80-120)	(75-123)
480-172616-2	EFFLUENT 072020 GRAB	107	97	101	103
LCS 480-542130/5	Lab Control Sample	100	96	97	100
MB 480-542130/7	Method Blank	103	101	103	100

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-172616-1

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

Lab Sample ID: MB 480-542130/7

Matrix: Water

Analysis Batch: 542130

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/25/20 12:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/25/20 12:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/25/20 12:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/25/20 12:50	1
Toluene	ND		1.0	0.51	ug/L			07/25/20 12:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/25/20 12:50	1
Trichloroethene	ND		1.0	0.46	ug/L			07/25/20 12:50	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		07/25/20 12:50	1
4-Bromofluorobenzene (Surr)	101		73 - 120		07/25/20 12:50	1
Toluene-d8 (Surr)	103		80 - 120		07/25/20 12:50	1
Dibromofluoromethane (Surr)	100		75 - 123		07/25/20 12:50	1

Lab Sample ID: LCS 480-542130/5

Matrix: Water

Analysis Batch: 542130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	76 - 120
cis-1,2-Dichloroethene	25.0	23.9		ug/L		96	74 - 124
Methylene Chloride	25.0	22.5		ug/L		90	75 - 124
Tetrachloroethene	25.0	22.7		ug/L		91	74 - 122
Toluene	25.0	22.9		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127
Trichloroethene	25.0	23.0		ug/L		92	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

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

Lab Sample ID: MB 480-541606/1

Matrix: Water

Analysis Batch: 541606

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		1.0	1.0	mg/L			07/22/20 13:52	1

Lab Sample ID: LCS 480-541606/2

Matrix: Water

Analysis Batch: 541606

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Suspended Solids	310	305.2		mg/L		99	88 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-172616-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-541431/1
Matrix: Water
Analysis Batch: 541431

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			07/21/20 19:19	1

Lab Sample ID: LCS 480-541431/2
Matrix: Water
Analysis Batch: 541431

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	505	500.0		mg/L		99	85 - 115

Lab Sample ID: 480-172616-1 DU
Matrix: Water
Analysis Batch: 541431

Client Sample ID: EFFLUENT 072020 COMP
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	751		790.0		mg/L		5	10

QC Association Summary

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

Job ID: 480-172616-1

GC/MS VOA

Analysis Batch: 542130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172616-2	EFFLUENT 072020 GRAB	Total/NA	Water	8260C	
MB 480-542130/7	Method Blank	Total/NA	Water	8260C	
LCS 480-542130/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 541431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172616-1	EFFLUENT 072020 COMP	Total/NA	Water	SM2540 C	
MB 480-541431/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-541431/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-172616-1 DU	EFFLUENT 072020 COMP	Total/NA	Water	SM2540 C	

Analysis Batch: 541606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172616-1	EFFLUENT 072020 COMP	Total/NA	Water	SM 2540D	
MB 480-541606/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-541606/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

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

Job ID: 480-172616-1

Client Sample ID: EFFLUENT 072020 COMP

Lab Sample ID: 480-172616-1

Date Collected: 07/20/20 07:00

Matrix: Water

Date Received: 07/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	541606	07/22/20 13:52	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	541431	07/21/20 19:19	E1T	TAL BUF

Client Sample ID: EFFLUENT 072020 GRAB

Lab Sample ID: 480-172616-2

Date Collected: 07/20/20 07:00

Matrix: Water

Date Received: 07/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	542130	07/25/20 15:54	CDC	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-172616-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

- 1
- 2
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- 13
- 14
- 15

Method Summary

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

Job ID: 480-172616-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 480-172616-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172616-1	EFFLUENT 072020 COMP	Water	07/20/20 07:00	07/21/20 08:00	
480-172616-2	EFFLUENT 072020 GRAB	Water	07/20/20 07:00	07/21/20 08:00	

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Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-172616-1

Login Number: 172616

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

ANALYTICAL REPORT

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

Laboratory Job ID: 480-172947-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. David J Carnevale



Authorized for release by:
8/10/2020 6:00:55 PM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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

Job ID: 480-172947-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

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

Case Narrative

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

Job ID: 480-172947-1

Job ID: 480-172947-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-172947-1

Comments

No additional comments.

Receipt

The sample was received on 7/28/2020 8:00 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6° C.

General Chemistry

Method SM 2540D: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis, analyst error. The original batch 543026 was set in the oven and then disposed of by accident prior to weigh-backs. No usable data exists from original batch. EFFLUENT -072720 (480-172947-1)

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



Detection Summary

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

Job ID: 480-172947-1

Client Sample ID: EFFLUENT -072720

Lab Sample ID: 480-172947-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	733		10.0	4.0	mg/L	1		SM2540 C	Total/NA

- 1
- 2
- 3
- 4
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- 6
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- 10
- 11
- 12
- 13
- 14

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-172947-1

Client Sample ID: EFFLUENT -072720

Lab Sample ID: 480-172947-1

Date Collected: 07/27/20 07:15

Matrix: Wastewater

Date Received: 07/28/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	733		10.0	4.0	mg/L			07/29/20 15:35	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND	H	4.0	4.0	mg/L			08/05/20 19:45	1

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- 2
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- 13
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QC Sample Results

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

Job ID: 480-172947-1

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

Lab Sample ID: MB 480-543860/1
 Matrix: Water
 Analysis Batch: 543860

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			08/05/20 19:45	1

Lab Sample ID: LCS 480-543860/2
 Matrix: Water
 Analysis Batch: 543860

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	265	250.0		mg/L		94	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-542759/1
 Matrix: Water
 Analysis Batch: 542759

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			07/29/20 15:35	1

Lab Sample ID: LCS 480-542759/2
 Matrix: Water
 Analysis Batch: 542759

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	505	562.0		mg/L		111	85 - 115

QC Association Summary

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

Job ID: 480-172947-1

General Chemistry

Analysis Batch: 542759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172947-1	EFFLUENT -072720	Total/NA	Wastewater	SM2540 C	
MB 480-542759/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-542759/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 543860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172947-1	EFFLUENT -072720	Total/NA	Wastewater	SM 2540D	
MB 480-543860/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-543860/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

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

Job ID: 480-172947-1

Client Sample ID: EFFLUENT -072720

Lab Sample ID: 480-172947-1

Date Collected: 07/27/20 07:15

Matrix: Wastewater

Date Received: 07/28/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	543860	08/05/20 19:45	SRW	TAL BUF
Total/NA	Analysis	SM2540 C		1	542759	07/29/20 15:35	E1T	TAL BUF

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 480-172947-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

- 1
- 2
- 3
- 4
- 5
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- 12
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Method Summary

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

Job ID: 480-172947-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

Laboratory References:

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



Sample Summary


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

Job ID: 480-172947-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172947-1	EFFLUENT -072720	Wastewater	07/27/20 07:15	07/28/20 08:00	

- 1
- 2
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- 12
- 13
- 14

Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: yuri.veliz@ramboll.com Project Name: Former Accurate Die Cast Site: New York		Lab PM: Schove, John R E-Mail: john.schove@testamericainc.com Sampler: <i>MARTIN KOENIG</i> Phone: <i>315-729-1300</i>		COC No: 480-145316-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): PO #: 11900114 WO #:		Analysis Requested			
Sample Identification Effluent <i>072720</i> Date: <i>7-27-20</i>		Sample Date: <i>7-27-20</i> Sample Time: <i>7:15</i> Sample Type (C=Comp, G=grab): <i>C</i> Matrix (W=water, S=solid, O=oil, B=BIOTISSUE, A=Air): <i>Water</i>	Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> N Perform MS/MSD (Yes or No): <input checked="" type="checkbox"/> N 2540D - Total Suspended Solids: <i>11</i> 2540C, Calcd - Total Dissolved Solids: <i>11</i>	Total Number of Containers: <i>2</i>	Special Instructions/Note:  480-172947 Chain of Custody
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Special Instructions/QC Requirements:					
Empty Kit Relinquished by:					
Relinquished by: <i>Marta Koenig</i> Date/Time: <i>7-27-20/10:30</i> Company: <i>OBG</i>		Received by: <i>Yuri Veliz</i> Date/Time: <i>7-27-20/19:00</i> Company:			
Relinquished by: <i>RENGHIB</i> Date/Time:		Received by: <i>Yuri Veliz</i> Date/Time: <i>7-27-20/10:30</i> Company:			
Relinquished by:		Received by:			
Custody Seal No.: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <i>3.6 #1 ICE</i>			



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-172947-1

Login Number: 172947

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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	3.6 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



ANALYTICAL REPORT

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

Laboratory Job ID: 480-173278-1
Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:
8/13/2020 10:16:53 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for
John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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

Job ID: 480-173278-1

Glossary

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

Case Narrative

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

Job ID: 480-173278-1

Job ID: 480-173278-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-173278-1

Comments

No additional comments.

Receipt

The samples were received on 8/4/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3° C.

GC/MS VOA

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

General Chemistry

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

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Detection Summary

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

Job ID: 480-173278-1

Client Sample ID: EFFLUENT - COMP 080320

Lab Sample ID: 480-173278-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	720		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 080320

Lab Sample ID: 480-173278-2

No Detections.

Client Sample ID: EFFLUENT - GRAB 080320

Lab Sample ID: 480-173278-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



Client Sample Results

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

Job ID: 480-173278-1

Client Sample ID: EFFLUENT - COMP 080320

Lab Sample ID: 480-173278-1

Date Collected: 08/03/20 07:20

Matrix: Wastewater

Date Received: 08/04/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	720		10.0	4.0	mg/L			08/06/20 17:36	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/04/20 17:39	1

Client Sample ID: BETWEEN CARBONS 080320

Lab Sample ID: 480-173278-2

Date Collected: 08/03/20 07:20

Matrix: Wastewater

Date Received: 08/04/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/05/20 13:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/05/20 13:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/05/20 13:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/05/20 13:47	1
Toluene	ND		1.0	0.51	ug/L			08/05/20 13:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/05/20 13:47	1
Trichloroethene	ND		1.0	0.46	ug/L			08/05/20 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120					08/05/20 13:47	1
4-Bromofluorobenzene (Surr)	95		73 - 120					08/05/20 13:47	1
Toluene-d8 (Surr)	94		80 - 120					08/05/20 13:47	1
Dibromofluoromethane (Surr)	88		75 - 123					08/05/20 13:47	1

Client Sample ID: EFFLUENT - GRAB 080320

Lab Sample ID: 480-173278-3

Date Collected: 08/03/20 07:20

Matrix: Wastewater

Date Received: 08/04/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/05/20 14:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/05/20 14:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/05/20 14:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/05/20 14:12	1
Toluene	ND		1.0	0.51	ug/L			08/05/20 14:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/05/20 14:12	1
Trichloroethene	ND		1.0	0.46	ug/L			08/05/20 14:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120					08/05/20 14:12	1
4-Bromofluorobenzene (Surr)	94		73 - 120					08/05/20 14:12	1
Toluene-d8 (Surr)	92		80 - 120					08/05/20 14:12	1
Dibromofluoromethane (Surr)	89		75 - 123					08/05/20 14:12	1

Surrogate Summary

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

Job ID: 480-173278-1

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

Matrix: Wastewater

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-173278-2	BETWEEN CARBONS 080320	91	95	94	88
480-173278-3	EFFLUENT - GRAB 080320	94	94	92	89

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
LCS 480-543668/5	Lab Control Sample	92	98	96	89
MB 480-543668/7	Method Blank	92	93	91	89

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-173278-1

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

Lab Sample ID: MB 480-543668/7

Matrix: Water

Analysis Batch: 543668

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/05/20 10:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/05/20 10:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/05/20 10:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/05/20 10:47	1
Toluene	ND		1.0	0.51	ug/L			08/05/20 10:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/05/20 10:47	1
Trichloroethene	ND		1.0	0.46	ug/L			08/05/20 10:47	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		08/05/20 10:47	1
4-Bromofluorobenzene (Surr)	93		73 - 120		08/05/20 10:47	1
Toluene-d8 (Surr)	91		80 - 120		08/05/20 10:47	1
Dibromofluoromethane (Surr)	89		75 - 123		08/05/20 10:47	1

Lab Sample ID: LCS 480-543668/5

Matrix: Water

Analysis Batch: 543668

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
Methylene Chloride	25.0	23.6		ug/L		94	75 - 124
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	25.4		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
Trichloroethene	25.0	25.3		ug/L		101	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	89		75 - 123

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

Lab Sample ID: MB 480-543638/1

Matrix: Water

Analysis Batch: 543638

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		1.0	1.0	mg/L			08/04/20 17:39	1

Lab Sample ID: LCS 480-543638/2

Matrix: Water

Analysis Batch: 543638

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Suspended Solids	271	269.6		mg/L		99	88 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-173278-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-544043/1
Matrix: Water
Analysis Batch: 544043

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			08/06/20 17:36	1

Lab Sample ID: LCS 480-544043/2
Matrix: Water
Analysis Batch: 544043

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	505	509.0		mg/L		101	85 - 115

Lab Sample ID: 480-173278-1 DU
Matrix: Wastewater
Analysis Batch: 544043

Client Sample ID: EFFLUENT - COMP 080320
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	720		657.0		mg/L		9	10



QC Association Summary

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

Job ID: 480-173278-1

GC/MS VOA

Analysis Batch: 543668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173278-2	BETWEEN CARBONS 080320	Total/NA	Wastewater	8260C	
480-173278-3	EFFLUENT - GRAB 080320	Total/NA	Wastewater	8260C	
MB 480-543668/7	Method Blank	Total/NA	Water	8260C	
LCS 480-543668/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 543638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173278-1	EFFLUENT - COMP 080320	Total/NA	Wastewater	SM 2540D	
MB 480-543638/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-543638/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 544043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173278-1	EFFLUENT - COMP 080320	Total/NA	Wastewater	SM2540 C	
MB 480-544043/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-544043/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-173278-1 DU	EFFLUENT - COMP 080320	Total/NA	Wastewater	SM2540 C	

Lab Chronicle

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

Job ID: 480-173278-1

Client Sample ID: EFFLUENT - COMP 080320

Lab Sample ID: 480-173278-1

Date Collected: 08/03/20 07:20

Matrix: Wastewater

Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	543638	08/04/20 17:39	E1T	TAL BUF
Total/NA	Analysis	SM2540 C		1	544043	08/06/20 17:36	E1T	TAL BUF

Client Sample ID: BETWEEN CARBONS 080320

Lab Sample ID: 480-173278-2

Date Collected: 08/03/20 07:20

Matrix: Wastewater

Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	543668	08/05/20 13:47	AMM	TAL BUF

Client Sample ID: EFFLUENT - GRAB 080320

Lab Sample ID: 480-173278-3

Date Collected: 08/03/20 07:20

Matrix: Wastewater

Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	543668	08/05/20 14:12	AMM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-173278-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

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- 2
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- 14
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Method Summary

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

Job ID: 480-173278-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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



Sample Summary

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

Job ID: 480-173278-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173278-1	EFFLUENT - COMP 080320	Wastewater	08/03/20 07:20	08/04/20 08:00	
480-173278-2	BETWEEN CARBONS 080320	Wastewater	08/03/20 07:20	08/04/20 08:00	
480-173278-3	EFFLUENT - GRAB 080320	Wastewater	08/03/20 07:20	08/04/20 08:00	

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Chain of Custody Record

Syracuse

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

Lab PM: Schove, John R
 E-Mail: John.Schove@Eurofinset.com
 Sample: *Martin Koennecke*
 Phone: 315-729-1300
 Lab #:
 Job #:
 COC No: 480-145292-10588.1
 Page: Page 1 of 1

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, B=biological, T=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C, Calc'd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Analysis Requested	Special Instructions/Note:
Effluent 080320	8-3-20	7:20	C	Water	X		11				
Between Carbons 080320	8-3-20	7:20	G	Water				3			
Effluent 080320	8-3-20	7:20	G	water				3			
<i>AP</i>											
<i>8/3/20</i>											

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: *Martin Koennecke* Date: 8-3-20 / 11:40
 Relinquished by: *Roughly* Date: 8-3-20 / 1900
 Relinquished by:

Received by: *OBG* Date: 8-3-20 / 11:40
 Received by: *Sya* Date: 8-3-20 / 1900
 Received by: *Sya* Date: 8-3-20 / 1900

Company: *OBG*
 Company: *Sya*
 Company: *Sya*

Cooler Temperature(s) °C and Other Remarks: *C.C. #H*

Method of Shipment: _____
 Date: _____
 Date: _____
 Date: _____



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-173278-1

Login Number: 173278

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

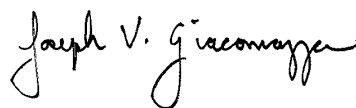
ANALYTICAL REPORT

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

Laboratory Job ID: 480-173679-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. David J Carnevale



Authorized for release by:
8/17/2020 9:57:58 AM

Joe Giacomazza, Project Manager I
(716)691-2600
joe.giacomazza@testamericainc.com

LINKS

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results through
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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

Job ID: 480-173679-1

Glossary

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

Case Narrative

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

Job ID: 480-173679-1

Job ID: 480-173679-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

**Job Narrative
480-173679-1**

Comments

No additional comments.

Receipt

The sample was received on 8/12/2020 8:00 AM; the sample arrived in good condition, and where required, properly preserved and 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

Job ID: 480-173679-1

Client Sample ID: EFFLUENT 081120

Lab Sample ID: 480-173679-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	592		10.0	4.0	mg/L	1		SM2540 C	Total/NA

- 1
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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-173679-1

Client Sample ID: EFFLUENT 081120

Lab Sample ID: 480-173679-1

Date Collected: 08/11/20 07:15

Matrix: Wastewater

Date Received: 08/12/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	592		10.0	4.0	mg/L			08/12/20 16:40	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/12/20 15:20	1

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QC Sample Results

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

Job ID: 480-173679-1

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

Lab Sample ID: MB 480-544708/1
 Matrix: Water
 Analysis Batch: 544708

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/12/20 15:20	1

Lab Sample ID: LCS 480-544708/2
 Matrix: Water
 Analysis Batch: 544708

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	345	329.2		mg/L		95	88 - 110

Lab Sample ID: 480-173679-1 DU
 Matrix: Wastewater
 Analysis Batch: 544708

Client Sample ID: EFFLUENT 081120
 Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-544881/1
 Matrix: Water
 Analysis Batch: 544881

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			08/12/20 16:40	1

Lab Sample ID: LCS 480-544881/2
 Matrix: Water
 Analysis Batch: 544881

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	489.0		mg/L		98	85 - 115

QC Association Summary

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

Job ID: 480-173679-1

General Chemistry

Analysis Batch: 544708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173679-1	EFFLUENT 081120	Total/NA	Wastewater	SM 2540D	
MB 480-544708/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-544708/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-173679-1 DU	EFFLUENT 081120	Total/NA	Wastewater	SM 2540D	

Analysis Batch: 544881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173679-1	EFFLUENT 081120	Total/NA	Wastewater	SM2540 C	
MB 480-544881/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-544881/2	Lab Control Sample	Total/NA	Water	SM2540 C	



Lab Chronicle

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

Job ID: 480-173679-1

Client Sample ID: EFFLUENT 081120

Lab Sample ID: 480-173679-1

Date Collected: 08/11/20 07:15

Matrix: Wastewater

Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	544708	08/12/20 15:20	SRW	TAL BUF
Total/NA	Analysis	SM2540 C		1	544881	08/12/20 16:40	E1T	TAL BUF

Laboratory References:

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



Accreditation/Certification Summary

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

Job ID: 480-173679-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

- 1
- 2
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Method Summary

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

Job ID: 480-173679-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

Laboratory References:

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



Sample Summary

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

Job ID: 480-173679-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173679-1	EFFLUENT 081120	Wastewater	08/11/20 07:15	08/12/20 08:00	

- 1
- 2
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- 12
- 13
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Syracuse
Camera Tracking No(s):
#225

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

Sampler: *Marlin Koenigs*
Phone: *315-789-1300*
Lab PM: Schove, John R
E-Mail: John.Schove@Eurofinset.com

COC No: 480-145322-10586.1
Page: Page 1 of 1
Job #:

Due Date Requested:
TAT Requested (days):
PO #: 12000090
WO #:
Project #: 48008584
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, I=In-Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C, Calcd - Total Dissolved Solids	Total Number of Containers	Special Instructions/Note:
Effluent <i>081120</i> <i>PE</i> <i>8-11-20</i>	8-11-20	7:15	C	Water	X	X	1	1	2	



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

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

Empty Kit Relinquished by: *Marlin Koenigs* Date: 8-11-20 / 11:30 Company: *OBG*

Relinquished by: *Relinquished* Date/Time: 8-11-20, 1900 Company: *OBG*

Relinquished by: *Relinquished* Date/Time: 8-11-20, 0800 Company: *TAB*

Cooler Temperature(s) °C and Other Remarks: *3.8 #*

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

Special Instructions/QC Requirements:

Received by	Date/Time	Company
<i>Marlin Koenigs</i>	8/11/20 11:30	OBG
<i>Relinquished</i>	8/11/20 1900	OBG
<i>Relinquished</i>	8/11/20 0800	TAB

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-173679-1

Login Number: 173679

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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	3.8 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-174337-1

Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:

9/4/2020 10:49:05 AM

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

Joe Giacomazza, Project Manager I
(716)691-2600

joe.giacomazza@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

Job ID: 480-174337-1

Glossary

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

Case Narrative

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

Job ID: 480-174337-1

Job ID: 480-174337-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-174337-1

Comments

No additional comments.

Receipt

The samples were received on 8/27/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

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

General Chemistry

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

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Detection Summary

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

Job ID: 480-174337-1

Client Sample ID: EFFLUENT - COMP

Lab Sample ID: 480-174337-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	579		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT - GRAB

Lab Sample ID: 480-174337-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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Client Sample Results

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

Job ID: 480-174337-1

Client Sample ID: EFFLUENT - COMP

Lab Sample ID: 480-174337-1

Date Collected: 08/26/20 07:00

Matrix: Wastewater

Date Received: 08/27/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	579		10.0	4.0	mg/L			08/31/20 19:45	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/29/20 16:10	1

Client Sample ID: EFFLUENT - GRAB

Lab Sample ID: 480-174337-2

Date Collected: 08/26/20 07:00

Matrix: Wastewater

Date Received: 08/27/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/20 17:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/20 17:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/20 17:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/20 17:58	1
Toluene	ND		1.0	0.51	ug/L			08/28/20 17:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/20 17:58	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/20 17:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120					08/28/20 17:58	1
4-Bromofluorobenzene (Surr)	99		73 - 120					08/28/20 17:58	1
Toluene-d8 (Surr)	100		80 - 120					08/28/20 17:58	1
Dibromofluoromethane (Surr)	103		75 - 123					08/28/20 17:58	1

Surrogate Summary

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

Job ID: 480-174337-1

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

Matrix: Wastewater

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-174337-2	EFFLUENT - GRAB	102	99	100	103

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
LCS 480-547187/6	Lab Control Sample	100	102	99	99
MB 480-547187/8	Method Blank	103	103	102	101

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-174337-1

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

Lab Sample ID: MB 480-547187/8
Matrix: Water
Analysis Batch: 547187

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/28/20 12:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/28/20 12:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/28/20 12:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/28/20 12:19	1
Toluene	ND		1.0	0.51	ug/L			08/28/20 12:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/28/20 12:19	1
Trichloroethene	ND		1.0	0.46	ug/L			08/28/20 12:19	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		08/28/20 12:19	1
4-Bromofluorobenzene (Surr)	103		73 - 120		08/28/20 12:19	1
Toluene-d8 (Surr)	102		80 - 120		08/28/20 12:19	1
Dibromofluoromethane (Surr)	101		75 - 123		08/28/20 12:19	1

Lab Sample ID: LCS 480-547187/6
Matrix: Water
Analysis Batch: 547187

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
Methylene Chloride	25.0	22.0		ug/L		88	75 - 124
Tetrachloroethene	25.0	25.2		ug/L		101	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	73 - 127
Trichloroethene	25.0	25.9		ug/L		104	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

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

Lab Sample ID: MB 480-547350/1
Matrix: Water
Analysis Batch: 547350

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

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		1.0	1.0	mg/L			08/29/20 16:10	1

Lab Sample ID: LCS 480-547350/2
Matrix: Water
Analysis Batch: 547350

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Suspended Solids	456	437.6		mg/L		96	88 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-174337-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-547553/1
Matrix: Water
Analysis Batch: 547553

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			08/31/20 19:45	1

Lab Sample ID: LCS 480-547553/2
Matrix: Water
Analysis Batch: 547553

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	495.0		mg/L		99	85 - 115

Lab Sample ID: 480-174337-1 DU
Matrix: Wastewater
Analysis Batch: 547553

Client Sample ID: EFFLUENT - COMP
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	579		594.0		mg/L		3	10

QC Association Summary

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

Job ID: 480-174337-1

GC/MS VOA

Analysis Batch: 547187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174337-2	EFFLUENT - GRAB	Total/NA	Wastewater	8260C	
MB 480-547187/8	Method Blank	Total/NA	Water	8260C	
LCS 480-547187/6	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 547350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174337-1	EFFLUENT - COMP	Total/NA	Wastewater	SM 2540D	
MB 480-547350/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-547350/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 547553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174337-1	EFFLUENT - COMP	Total/NA	Wastewater	SM2540 C	
MB 480-547553/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-547553/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-174337-1 DU	EFFLUENT - COMP	Total/NA	Wastewater	SM2540 C	

Lab Chronicle

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

Job ID: 480-174337-1

Client Sample ID: EFFLUENT - COMP

Lab Sample ID: 480-174337-1

Date Collected: 08/26/20 07:00

Matrix: Wastewater

Date Received: 08/27/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	547350	08/29/20 16:10	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	547553	08/31/20 19:45	E1T	TAL BUF

Client Sample ID: EFFLUENT - GRAB

Lab Sample ID: 480-174337-2

Date Collected: 08/26/20 07:00

Matrix: Wastewater

Date Received: 08/27/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	547187	08/28/20 17:58	RJF	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-174337-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

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Method Summary

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

Job ID: 480-174337-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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



Sample Summary

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

Job ID: 480-174337-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-174337-1	EFFLUENT - COMP	Wastewater	08/26/20 07:00	08/27/20 08:00	
480-174337-2	EFFLUENT - GRAB	Wastewater	08/26/20 07:00	08/27/20 08:00	

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Chain of Custody Record



Syracuse
Chain of Custody Record

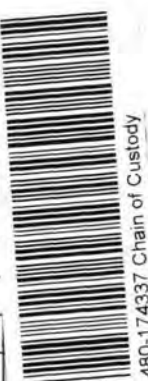
COC No: 480-145305-10587.1
Page: Page 1 of 1
Job #:

#225

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

Sample: *Martin Kennedy*
Lab PM: Schove, John R.
Phone: 315-729-1300
E-Mail: John.Schove@Eurofinset.com

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastabil, T=tissue, A=air)	Preservation Code:	Analysis Requested				Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C - Volatile Organic Compounds	Total Number of Containers	Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	Remarks/Note:
						Due Date Requested:	TAT Requested (days):	PO #:	WO #:							
<i>Effluent 082620</i>	<i>8-26-20</i>	<i>7:00</i>	<i>C</i>	<i>Water</i>							<i>1</i>					
<i>Effluent 082620</i>	<i>8-26-20</i>	<i>7:00</i>	<i>G</i>	<i>Water</i>							<i>3</i>					
<i>8-26-20 Ref</i>																



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

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

Special Instructions/QC Requirements:

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

Relinquished by: *Martin Kennedy* Date/Time: *8-26-20 / 7:40* Company: *OBG*

Relinquished by: *Reynolds* Date/Time: *8-26-20, 1900* Company: *lyn*

Relinquished by: *Reynolds* Date/Time: *8-26-20, 0740* Company: *lyn*

Relinquished by: *Reynolds* Date/Time: *8-27-20 0800* Company: *JAS*

Custody Seals Intact: Yes No **Custody Seal No.:** *#1 2.8*

cooler Temperature(s) °C and Other Remarks:



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-174337-1

Login Number: 174337

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

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



ANALYTICAL REPORT

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

Laboratory Job ID: 480-174570-1

Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:

9/9/2020 3:32:00 PM

Joshua Velez, Project Management Assistant I
joshua.velez@eurofinset.com

Designee for

Joe Giacomazza, Project Manager I
(716)691-2600

joe.giacomazza@testamericainc.com

LINKS

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results through
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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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

Job ID: 480-174570-1

Qualifiers

Metals

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

Glossary

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

Case Narrative

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

Job ID: 480-174570-1

Job ID: 480-174570-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-174570-1

Comments

No additional comments.

Receipt

The samples were received on 9/2/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3° C.

GC/MS VOA

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT 090120 GRAB (480-174570-3). 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

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

General Chemistry

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

Detection Summary

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

Job ID: 480-174570-1

Client Sample ID: EFFLUENT 090120 COMP

Lab Sample ID: 480-174570-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0051	J B	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	537		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 090120 GRAB

Lab Sample ID: 480-174570-2

No Detections.

Client Sample ID: INFLUENT 090120 GRAB

Lab Sample ID: 480-174570-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	300		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: EFFLUENT 090120 GRAB

Lab Sample ID: 480-174570-4

No Detections.

Client Sample ID: INFLUENT 090120 COMP

Lab Sample ID: 480-174570-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0053	J B	0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-174570-1

Client Sample ID: EFFLUENT 090120 COMP

Lab Sample ID: 480-174570-1

Date Collected: 09/01/20 08:20

Matrix: Wastewater

Date Received: 09/02/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0051	J B	0.010	0.0015	mg/L		09/03/20 09:55	09/04/20 00:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/03/20 12:22	09/03/20 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	537		10.0	4.0	mg/L			09/02/20 17:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/02/20 17:53	1

Client Sample ID: BETWEEN CARBONS 090120 GRAB

Lab Sample ID: 480-174570-2

Date Collected: 09/01/20 08:20

Matrix: Wastewater

Date Received: 09/02/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/03/20 14:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/03/20 14:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/03/20 14:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/03/20 14:55	1
Toluene	ND		1.0	0.51	ug/L			09/03/20 14:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/03/20 14:55	1
Trichloroethene	ND		1.0	0.46	ug/L			09/03/20 14:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		09/03/20 14:55	1
4-Bromofluorobenzene (Surr)	103		73 - 120		09/03/20 14:55	1
Toluene-d8 (Surr)	98		80 - 120		09/03/20 14:55	1
Dibromofluoromethane (Surr)	106		75 - 123		09/03/20 14:55	1

Client Sample ID: INFLUENT 090120 GRAB

Lab Sample ID: 480-174570-3

Date Collected: 09/01/20 08:20

Matrix: Water

Date Received: 09/02/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			09/03/20 15:19	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			09/03/20 15:19	8
Methylene Chloride	ND		8.0	3.5	ug/L			09/03/20 15:19	8
Tetrachloroethene	ND		8.0	2.9	ug/L			09/03/20 15:19	8
Toluene	ND		8.0	4.1	ug/L			09/03/20 15:19	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			09/03/20 15:19	8
Trichloroethene	300		8.0	3.7	ug/L			09/03/20 15:19	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		09/03/20 15:19	8
4-Bromofluorobenzene (Surr)	104		73 - 120		09/03/20 15:19	8
Toluene-d8 (Surr)	97		80 - 120		09/03/20 15:19	8
Dibromofluoromethane (Surr)	109		75 - 123		09/03/20 15:19	8

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-174570-1

Client Sample ID: EFFLUENT 090120 GRAB

Lab Sample ID: 480-174570-4

Date Collected: 09/01/20 08:20

Matrix: Wastewater

Date Received: 09/02/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/03/20 15:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/03/20 15:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/03/20 15:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/03/20 15:43	1
Toluene	ND		1.0	0.51	ug/L			09/03/20 15:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/03/20 15:43	1
Trichloroethene	ND		1.0	0.46	ug/L			09/03/20 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		09/03/20 15:43	1
4-Bromofluorobenzene (Surr)	106		73 - 120		09/03/20 15:43	1
Toluene-d8 (Surr)	97		80 - 120		09/03/20 15:43	1
Dibromofluoromethane (Surr)	110		75 - 123		09/03/20 15:43	1

Client Sample ID: INFLUENT 090120 COMP

Lab Sample ID: 480-174570-5

Date Collected: 09/01/20 08:20

Matrix: Water

Date Received: 09/02/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0053	J B	0.010	0.0015	mg/L		09/03/20 09:55	09/04/20 01:16	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/03/20 12:22	09/03/20 16:02	1

Surrogate Summary

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

Job ID: 480-174570-1

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

Matrix: Wastewater

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-174570-2	BETWEEN CARBONS 090120 (109	103	98	106
480-174570-4	EFFLUENT 090120 GRAB	111	106	97	110

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-174570-3	INFLUENT 090120 GRAB	110	104	97	109
LCS 480-547987/28	Lab Control Sample	105	109	100	104
MB 480-547987/7	Method Blank	110	105	97	115

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

Job ID: 480-174570-1

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

Lab Sample ID: MB 480-547987/7
Matrix: Water
Analysis Batch: 547987

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/03/20 10:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/03/20 10:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/03/20 10:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/03/20 10:40	1
Toluene	ND		1.0	0.51	ug/L			09/03/20 10:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/03/20 10:40	1
Trichloroethene	ND		1.0	0.46	ug/L			09/03/20 10:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		09/03/20 10:40	1
4-Bromofluorobenzene (Surr)	105		73 - 120		09/03/20 10:40	1
Toluene-d8 (Surr)	97		80 - 120		09/03/20 10:40	1
Dibromofluoromethane (Surr)	115		75 - 123		09/03/20 10:40	1

Lab Sample ID: LCS 480-547987/28
Matrix: Water
Analysis Batch: 547987

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
cis-1,2-Dichloroethene	25.0	23.6		ug/L		94	74 - 124
Methylene Chloride	25.0	23.4		ug/L		93	75 - 124
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
Trichloroethene	25.0	25.2		ug/L		101	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	109		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-547945/1-A
Matrix: Water
Analysis Batch: 548255

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 547945

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Zinc	0.00155	J	0.010	0.0015	mg/L		09/03/20 09:55	09/04/20 00:45	1

Lab Sample ID: LCS 480-547945/2-A
Matrix: Water
Analysis Batch: 548255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 547945

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Zinc	0.200	0.217		mg/L		108	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-174570-1

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

Lab Sample ID: 480-174570-1 MS
 Matrix: Wastewater
 Analysis Batch: 548255

Client Sample ID: EFFLUENT 090120 COMP
 Prep Type: Total/NA
 Prep Batch: 547945
 %Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Zinc	0.0051	J B	0.200	0.218		mg/L		107	75 - 125

Lab Sample ID: 480-174570-1 MSD
 Matrix: Wastewater
 Analysis Batch: 548255

Client Sample ID: EFFLUENT 090120 COMP
 Prep Type: Total/NA
 Prep Batch: 547945
 %Rec. RPD

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Zinc	0.0051	J B	0.200	0.221		mg/L		108	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-548088/1-A
 Matrix: Water
 Analysis Batch: 548190

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 548088

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/03/20 12:22	09/03/20 15:49	1

Lab Sample ID: LCS 480-548088/2-A
 Matrix: Water
 Analysis Batch: 548190

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 548088
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00667	0.00683		mg/L		102	80 - 120

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

Lab Sample ID: MB 480-547964/1
 Matrix: Water
 Analysis Batch: 547964

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/02/20 17:53	1

Lab Sample ID: LCS 480-547964/2
 Matrix: Water
 Analysis Batch: 547964

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 %Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Suspended Solids	540	531.2		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-547959/1
 Matrix: Water
 Analysis Batch: 547959

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/02/20 17:22	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-174570-1

Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: LCS 480-547959/2

Matrix: Water

Analysis Batch: 547959

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	497.0		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

Job ID: 480-174570-1

GC/MS VOA

Analysis Batch: 547987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174570-2	BETWEEN CARBONS 090120 GRAB	Total/NA	Wastewater	8260C	
480-174570-3	INFLUENT 090120 GRAB	Total/NA	Water	8260C	
480-174570-4	EFFLUENT 090120 GRAB	Total/NA	Wastewater	8260C	
MB 480-547987/7	Method Blank	Total/NA	Water	8260C	
LCS 480-547987/28	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 547945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174570-1	EFFLUENT 090120 COMP	Total/NA	Wastewater	3005A	
480-174570-5	INFLUENT 090120 COMP	Total/NA	Water	3005A	
MB 480-547945/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-547945/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-174570-1 MS	EFFLUENT 090120 COMP	Total/NA	Wastewater	3005A	
480-174570-1 MSD	EFFLUENT 090120 COMP	Total/NA	Wastewater	3005A	

Prep Batch: 548088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174570-1	EFFLUENT 090120 COMP	Total/NA	Wastewater	7470A	
480-174570-5	INFLUENT 090120 COMP	Total/NA	Water	7470A	
MB 480-548088/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-548088/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 548190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174570-1	EFFLUENT 090120 COMP	Total/NA	Wastewater	7470A	548088
480-174570-5	INFLUENT 090120 COMP	Total/NA	Water	7470A	548088
MB 480-548088/1-A	Method Blank	Total/NA	Water	7470A	548088
LCS 480-548088/2-A	Lab Control Sample	Total/NA	Water	7470A	548088

Analysis Batch: 548255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174570-1	EFFLUENT 090120 COMP	Total/NA	Wastewater	6010C	547945
480-174570-5	INFLUENT 090120 COMP	Total/NA	Water	6010C	547945
MB 480-547945/1-A	Method Blank	Total/NA	Water	6010C	547945
LCS 480-547945/2-A	Lab Control Sample	Total/NA	Water	6010C	547945
480-174570-1 MS	EFFLUENT 090120 COMP	Total/NA	Wastewater	6010C	547945
480-174570-1 MSD	EFFLUENT 090120 COMP	Total/NA	Wastewater	6010C	547945

General Chemistry

Analysis Batch: 547959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174570-1	EFFLUENT 090120 COMP	Total/NA	Wastewater	SM2540 C	
MB 480-547959/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-547959/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 547964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174570-1	EFFLUENT 090120 COMP	Total/NA	Wastewater	SM 2540D	
MB 480-547964/1	Method Blank	Total/NA	Water	SM 2540D	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-174570-1

General Chemistry (Continued)

Analysis Batch: 547964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-547964/2	Lab Control Sample	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

Job ID: 480-174570-1

Client Sample ID: EFFLUENT 090120 COMP

Lab Sample ID: 480-174570-1

Date Collected: 09/01/20 08:20

Matrix: Wastewater

Date Received: 09/02/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			547945	09/03/20 09:55	ADM	TAL BUF
Total/NA	Analysis	6010C		1	548255	09/04/20 00:57	LMH	TAL BUF
Total/NA	Prep	7470A			548088	09/03/20 12:22	BMB	TAL BUF
Total/NA	Analysis	7470A		1	548190	09/03/20 16:01	BMB	TAL BUF
Total/NA	Analysis	SM 2540D		1	547964	09/02/20 17:53	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	547959	09/02/20 17:22	CSS	TAL BUF

Client Sample ID: BETWEEN CARBONS 090120 GRAB

Lab Sample ID: 480-174570-2

Date Collected: 09/01/20 08:20

Matrix: Wastewater

Date Received: 09/02/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	547987	09/03/20 14:55	CRL	TAL BUF

Client Sample ID: INFLUENT 090120 GRAB

Lab Sample ID: 480-174570-3

Date Collected: 09/01/20 08:20

Matrix: Water

Date Received: 09/02/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	547987	09/03/20 15:19	CRL	TAL BUF

Client Sample ID: EFFLUENT 090120 GRAB

Lab Sample ID: 480-174570-4

Date Collected: 09/01/20 08:20

Matrix: Wastewater

Date Received: 09/02/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	547987	09/03/20 15:43	CRL	TAL BUF

Client Sample ID: INFLUENT 090120 COMP

Lab Sample ID: 480-174570-5

Date Collected: 09/01/20 08:20

Matrix: Water

Date Received: 09/02/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			547945	09/03/20 09:55	ADM	TAL BUF
Total/NA	Analysis	6010C		1	548255	09/04/20 01:16	LMH	TAL BUF
Total/NA	Prep	7470A			548088	09/03/20 12:22	BMB	TAL BUF
Total/NA	Analysis	7470A		1	548190	09/03/20 16:02	BMB	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-174570-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

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Method Summary

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

Job ID: 480-174570-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 480-174570-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-174570-1	EFFLUENT 090120 COMP	Wastewater	09/01/20 08:20	09/02/20 08:00	
480-174570-2	BETWEEN CARBONS 090120 GRAB	Wastewater	09/01/20 08:20	09/02/20 08:00	
480-174570-3	INFLUENT 090120 GRAB	Water	09/01/20 08:20	09/02/20 08:00	
480-174570-4	EFFLUENT 090120 GRAB	Wastewater	09/01/20 08:20	09/02/20 08:00	
480-174570-5	INFLUENT 090120 COMP	Water	09/01/20 08:20	09/02/20 08:00	

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Syracuse

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

Sample Information
 Sample: Martin Koerwicks
 Lab PM: Schove, John R
 Phone: 315-729-1300
 E-Mail: john.schove@testamericainc.com

Analysis Requested
 Due Date Requested:
 TAT Requested (days):
 PO #: 12000090
 WO #:
 Project #: 48008584
 SSO#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C - Total Dissolved Solids	8260C - Volatile Organic Compounds	7470A - Mercury	Total Number of Containers	Special Instructions/Note:
Effluent 090120	9-1-20	8:20	C	Water	X	X	11	11			4	
Between Carbons 090120	9-1-20	8:20	G	Water			3	3			3	
Influent 090120	9-1-20	8:20	G	Water			3	3			3	
Effluent 090120	9-1-20	8:20	G	Water			3	3			3	
Influent 090120	9-1-20	8:20	C	Water			11	11			2	
9-1-20												

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)
 Empty Kil Relinquished by: Date:
 Relinquished by: Martin Koerwicks Date: 9-1-20 / 9:40 Company: OBT
 Relinquished by: Reinglich Date: 9-1-20, 1900 Company: OBT
 Relinquished by: Reinglich Date: 9/2/20 800 Company: TAB
 Custody Seals Intact: Yes No
 Cooler Temperature(s) °C and Other Remarks: 3.3 #1



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-174570-1

Login Number: 174570

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

ANALYTICAL REPORT

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

Laboratory Job ID: 480-174828-1
Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:
9/14/2020 3:18:22 PM

Joshua Velez, Project Management Assistant I
joshua.velez@eurofinset.com

Designee for

Joe Giacomazza, Project Manager I
(716)691-2600

joe.giacomazza@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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

Job ID: 480-174828-1

Glossary

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

Case Narrative

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

Job ID: 480-174828-1

Job ID: 480-174828-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-174828-1

Comments

No additional comments.

Receipt

The sample was received on 9/9/2020 8:00 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

General Chemistry

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

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Detection Summary

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

Job ID: 480-174828-1

Client Sample ID: EFFLUENT 090820

Lab Sample ID: 480-174828-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	790		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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Client Sample Results

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

Job ID: 480-174828-1

Client Sample ID: EFFLUENT 090820

Lab Sample ID: 480-174828-1

Date Collected: 09/08/20 07:15

Matrix: Wastewater

Date Received: 09/09/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	790		10.0	4.0	mg/L			09/09/20 18:57	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/09/20 18:30	1

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QC Sample Results

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

Job ID: 480-174828-1

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

Lab Sample ID: MB 480-548818/1
 Matrix: Water
 Analysis Batch: 548818

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/09/20 18:30	1

Lab Sample ID: LCS 480-548818/2
 Matrix: Water
 Analysis Batch: 548818

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	260	259.6		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-548821/1
 Matrix: Water
 Analysis Batch: 548821

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/09/20 18:57	1

Lab Sample ID: LCS 480-548821/2
 Matrix: Water
 Analysis Batch: 548821

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	484.0		mg/L		96	85 - 115

QC Association Summary

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

Job ID: 480-174828-1

General Chemistry

Analysis Batch: 548818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174828-1	EFFLUENT 090820	Total/NA	Wastewater	SM 2540D	
MB 480-548818/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-548818/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 548821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174828-1	EFFLUENT 090820	Total/NA	Wastewater	SM2540 C	
MB 480-548821/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-548821/2	Lab Control Sample	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

Job ID: 480-174828-1

Client Sample ID: EFFLUENT 090820

Lab Sample ID: 480-174828-1

Date Collected: 09/08/20 07:15

Matrix: Wastewater

Date Received: 09/09/20 08:00

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	SM 2540D		1	548818	09/09/20 18:30	E1T	TAL BUF
Total/NA	Analysis	SM2540 C		1	548821	09/09/20 18:57	E1T	TAL BUF

Laboratory References:

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



Accreditation/Certification Summary

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

Job ID: 480-174828-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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Method Summary

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

Job ID: 480-174828-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

Laboratory References:

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



Sample Summary

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

Job ID: 480-174828-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-174828-1	EFFLUENT 090820	Wastewater	09/08/20 07:15	09/09/20 08:00	

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Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: yuri.veliz@ramboll.com Project Name: Former Accurate Die Cast Site: New York		Lab P/N: Schove, John R E-Mail: John.Schove@Eurofinset.com Sampler: <i>Mae Tin Koenevsky</i> Phone: 315-729-1300		Card No: Syracuse COC No: 480-145324-10586.1 Page: Page 1 of 1 Job #: #225	
Due Date Requested: TAT Requested (days): PO #: 12000090 WO #:		Analysis Requested			
Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>		Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>		Total Number of Containers: 2	
2540D - Total Suspended Solids N 1		2540C - Calcd - Total Dissolved Solids N 1		Special Instructions/Note:	
Sample Identification Effluent 090820 <i>9-8-20 BE</i>		Sample Date: 9-8-20	Sample Time: 7:15	Sample Type (C=Comp, G=grab) C	Matrix (W=water, S=solid, O=wastoboil, BT=Tissue, A=Air) Water
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:					
M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)					
Barcode: 480-174828 Chain of Custody					
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: <i>Mae Tin Koenevsky</i>		Date/Time: 9-8-20 / 9:30		Company: OBG	
Relinquished by: <i>R. D. English</i>		Date/Time: 9-8-20 / 19:00		Company: MA	
Relinquished by:		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>3.9 #1</i>	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-174828-1

Login Number: 174828

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

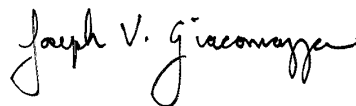
ANALYTICAL REPORT

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

Laboratory Job ID: 480-175208-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. David J Carnevale



Authorized for release by:
9/21/2020 9:11:36 AM

Joe Giacomazza, Project Manager I
(716)691-2600
joe.giacomazza@testamericainc.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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

Job ID: 480-175208-1

Glossary

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

Case Narrative

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

Job ID: 480-175208-1

Job ID: 480-175208-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175208-1

Comments

No additional comments.

Receipt

The samples were received on 9/17/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° 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

Job ID: 480-175208-1

Client Sample ID: EFFLUENT 091620 COMP

Lab Sample ID: 480-175208-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	723		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 091620

Lab Sample ID: 480-175208-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



Client Sample Results

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

Job ID: 480-175208-1

Client Sample ID: EFFLUENT 091620 COMP

Lab Sample ID: 480-175208-1

Date Collected: 09/16/20 07:15

Matrix: Wastewater

Date Received: 09/17/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	723		10.0	4.0	mg/L			09/17/20 17:57	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/17/20 18:03	1

Client Sample ID: EFFLUENT 091620

Lab Sample ID: 480-175208-2

Date Collected: 09/16/20 07:15

Matrix: Water

Date Received: 09/17/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/19/20 01:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/19/20 01:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/19/20 01:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/19/20 01:26	1
Toluene	ND		1.0	0.51	ug/L			09/19/20 01:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/19/20 01:26	1
Trichloroethene	ND		1.0	0.46	ug/L			09/19/20 01:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120					09/19/20 01:26	1
4-Bromofluorobenzene (Surr)	104		73 - 120					09/19/20 01:26	1
Toluene-d8 (Surr)	100		80 - 120					09/19/20 01:26	1
Dibromofluoromethane (Surr)	108		75 - 123					09/19/20 01:26	1

Surrogate Summary

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

Job ID: 480-175208-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-175208-2	EFFLUENT 091620	106	104	100	108
LCS 480-550193/5	Lab Control Sample	94	103	99	99
MB 480-550193/7	Method Blank	103	102	99	105

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-175208-1

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

Lab Sample ID: MB 480-550193/7

Matrix: Water

Analysis Batch: 550193

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/18/20 21:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/18/20 21:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/18/20 21:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/18/20 21:36	1
Toluene	ND		1.0	0.51	ug/L			09/18/20 21:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/18/20 21:36	1
Trichloroethene	ND		1.0	0.46	ug/L			09/18/20 21:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		09/18/20 21:36	1
4-Bromofluorobenzene (Surr)	102		73 - 120		09/18/20 21:36	1
Toluene-d8 (Surr)	99		80 - 120		09/18/20 21:36	1
Dibromofluoromethane (Surr)	105		75 - 123		09/18/20 21:36	1

Lab Sample ID: LCS 480-550193/5

Matrix: Water

Analysis Batch: 550193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	76 - 120
cis-1,2-Dichloroethene	25.0	22.9		ug/L		91	74 - 124
Methylene Chloride	25.0	26.0		ug/L		104	75 - 124
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.9		ug/L		100	73 - 127
Trichloroethene	25.0	23.1		ug/L		93	74 - 123

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

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

Lab Sample ID: MB 480-550059/1

Matrix: Water

Analysis Batch: 550059

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		1.0	1.0	mg/L			09/17/20 18:03	1

Lab Sample ID: LCS 480-550059/2

Matrix: Water

Analysis Batch: 550059

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Suspended Solids	407	406.4		mg/L		100	88 - 110

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-175208-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-550058/1
Matrix: Water
Analysis Batch: 550058

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/17/20 17:57	1

Lab Sample ID: LCS 480-550058/2
Matrix: Water
Analysis Batch: 550058

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	497.0		mg/L		99	85 - 115



QC Association Summary

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

Job ID: 480-175208-1

GC/MS VOA

Analysis Batch: 550193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175208-2	EFFLUENT 091620	Total/NA	Water	8260C	
MB 480-550193/7	Method Blank	Total/NA	Water	8260C	
LCS 480-550193/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 550058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175208-1	EFFLUENT 091620 COMP	Total/NA	Wastewater	SM2540 C	
MB 480-550058/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-550058/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 550059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175208-1	EFFLUENT 091620 COMP	Total/NA	Wastewater	SM 2540D	
MB 480-550059/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-550059/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

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

Job ID: 480-175208-1

Client Sample ID: EFFLUENT 091620 COMP

Lab Sample ID: 480-175208-1

Date Collected: 09/16/20 07:15

Matrix: Wastewater

Date Received: 09/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	550059	09/17/20 18:03	T1S	TAL BUF
Total/NA	Analysis	SM2540 C		1	550058	09/17/20 17:57	E1T	TAL BUF

Client Sample ID: EFFLUENT 091620

Lab Sample ID: 480-175208-2

Date Collected: 09/16/20 07:15

Matrix: Water

Date Received: 09/17/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	550193	09/19/20 01:26	AMM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-175208-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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Method Summary

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

Job ID: 480-175208-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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



Sample Summary

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

Job ID: 480-175208-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175208-1	EFFLUENT 091620 COMP	Wastewater	09/16/20 07:15	09/17/20 08:00	
480-175208-2	EFFLUENT 091620	Water	09/16/20 07:15	09/17/20 08:00	

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Chain of Custody Record

Client Information
 Client Contact: Mr. Yuri Veliz
 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@ramboll.com
 Project Name: Former Accurate Die Cast
 Site: New York

Lab Information
 Lab PM: Giacomazza, Joe V
 E-Mail: joe.giacomazza@testamericainc.com
 Lab Name: Syracuse
 Job #: #225

Analysis Requested
 Due Date Requested:
 TAT Requested (days):
 PO #: 12000090
 WO #:
 Project #: 48008584
 SSO#:

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 M - Hexane
 N - None
 O - AsNaO2
 P - Na2OAS
 Q - Na2SO3
 R - Na2S2O3
 S - H2SO4
 T - TSP Dodecahydrate
 U - 1,4-dioxane
 V - 5 (specify)



480-175208 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Soil, Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C - Total Dissolved Solids	8250C - Volatile Organic Compounds	Total Nu	Special Instructions/Note:
<u>Effluent 091620</u>	<u>9-16-20</u>	<u>7:15</u>	<u>C</u>	<u>Water</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>1</u>	<u>1</u>		<u>2</u>	
<u>EATWEST 091620</u>	<u>9-16-20</u>	<u>7:15</u>	<u>G</u>	<u>water</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>3</u>	<u>3</u>		<u>3</u>	
<u>9.16.20</u>											

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

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

Empty Kit Relinquished by:
 Relinquished by: Mark Koehnke Company: ORIG
 Date/Time: 9-16-20/9:45
 Relinquished by: Reynold Company: ORIG
 Date/Time: 9-16-20/19:00
 Relinquished by: Reynold Company: ORIG
 Date/Time: 9-17-20 8:00

Custody Seals Intact: Yes No
 Custody Seal No.: 3, A #1
 Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-175208-1

Login Number: 175208

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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



ANALYTICAL REPORT

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

Laboratory Job ID: 480-175673-1

Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:

9/30/2020 8:38:01 PM

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

Joe Giacomazza, Project Manager I
(716)691-2600

joe.giacomazza@testamericainc.com

LINKS

Review your project
results through
TotalAccess

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Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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

Job ID: 480-175673-1

Glossary

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

Case Narrative

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

Job ID: 480-175673-1

Job ID: 480-175673-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175673-1

Comments

No additional comments.

Receipt

The sample was received on 9/26/2020 8:00 AM; the sample arrived in good condition, and where required, properly preserved and 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

Job ID: 480-175673-1

Client Sample ID: EFFLUENT 092520

Lab Sample ID: 480-175673-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	756		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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Client Sample Results

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

Job ID: 480-175673-1

Client Sample ID: EFFLUENT 092520

Lab Sample ID: 480-175673-1

Date Collected: 09/25/20 07:10

Matrix: Wastewater

Date Received: 09/26/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	756		10.0	4.0	mg/L			09/28/20 15:39	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/28/20 15:43	1

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QC Sample Results

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

Job ID: 480-175673-1

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

Lab Sample ID: MB 480-551549/1
 Matrix: Water
 Analysis Batch: 551549

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/28/20 15:43	1

Lab Sample ID: LCS 480-551549/2
 Matrix: Water
 Analysis Batch: 551549

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	267	257.2		mg/L		96	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-551547/1
 Matrix: Water
 Analysis Batch: 551547

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/28/20 15:39	1

Lab Sample ID: LCS 480-551547/2
 Matrix: Water
 Analysis Batch: 551547

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	490.0		mg/L		98	85 - 115

Lab Sample ID: 480-175673-1 DU
 Matrix: Wastewater
 Analysis Batch: 551547

Client Sample ID: EFFLUENT 092520
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	756		740.0		mg/L		2	10

QC Association Summary

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

Job ID: 480-175673-1

General Chemistry

Analysis Batch: 551547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175673-1	EFFLUENT 092520	Total/NA	Wastewater	SM2540 C	
MB 480-551547/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-551547/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-175673-1 DU	EFFLUENT 092520	Total/NA	Wastewater	SM2540 C	

Analysis Batch: 551549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175673-1	EFFLUENT 092520	Total/NA	Wastewater	SM 2540D	
MB 480-551549/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-551549/2	Lab Control Sample	Total/NA	Water	SM 2540D	



Lab Chronicle

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

Job ID: 480-175673-1

Client Sample ID: EFFLUENT 092520

Lab Sample ID: 480-175673-1

Date Collected: 09/25/20 07:10

Matrix: Wastewater

Date Received: 09/26/20 08:00

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	SM 2540D		1	551549	09/28/20 15:43	E1T	TAL BUF
Total/NA	Analysis	SM2540 C		1	551547	09/28/20 15:39	E1T	TAL BUF

Laboratory References:

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



Accreditation/Certification Summary

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

Job ID: 480-175673-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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Method Summary

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

Job ID: 480-175673-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

Laboratory References:

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



Sample Summary


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

Job ID: 480-175673-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175673-1	EFFLUENT 092520	Wastewater	09/25/20 07:10	09/26/20 08:00	

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Chain of Custody Record

Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: yuri.veliz@ramboll.com Project Name: Former Accurate Die Cast Site: New York		Sample: <i>MARIN KOENIG</i> Lab PM: Giacomazza, Joe V E-Mail: joe.giacomazza@testamericainc.com Phone: 315-788-1300 Due Date Requested: TAT Requested (days): PO #: 12000090 WO #: Project #: 48008584 SSON#:		Analysis Requested 2540D - Total Suspended Solids 2540C - Calcd - Total Dissolved Solids Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No)		Preservation Codes: A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify) Other:	
Sample Identification Effluent <i>092520</i> <i>9-25-20</i>		Sample Date: <i>9-25-20</i> Sample Time: <i>7:10</i> Sample Type (C=Comp, G=grab): <i>C</i> Matrix (W=water, S=solid, O=wastliq, AT=tissue, A=Air): <i>Water</i>		Total Number of Containers: <i>2</i> Special Instructions/Note:  480-175673 Chain of Custody		Preservation Codes: M - Hexane N - None O - AsNiO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:		Method of Shipment:	
Relinquished by: <i>Yuri Veliz</i> Relinquished by: <i>RE-Fig 1.1.4</i> Relinquished by:		Date: <i>9-25-20 / 9:00</i> Date/Time: <i>9-25-20, 1900</i> Date/Time:		Received by: <i>RE-Fig 1.1.4</i> Received by: <i>RE-Fig 1.1.4</i> Received by:		Date/Time: <i>9-25-20, 0900</i> Date/Time: <i>9/26/20 10300</i> Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>#1 2.8</i>		Company: <i>CBG</i> Company: <i>CBG</i> Company: <i>APR</i>	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-175673-1

Login Number: 175673

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

ANALYTICAL REPORT

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

Laboratory Job ID: 480-175780-1

Client Project/Site: Former Accurate Die Cast

For:

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

Attn: Mr. David J Carnevale



Authorized for release by:

10/5/2020 1:07:09 PM

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

Joe Giacomazza, Project Manager I
(716)691-2600

joe.giacomazza@testamericainc.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



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QC Association Summary	8
Lab Chronicle	9
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Method Summary	11
Sample Summary	12
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Receipt Checklists	14

Definitions/Glossary

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

Job ID: 480-175780-1

Glossary

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

Case Narrative

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

Job ID: 480-175780-1

Job ID: 480-175780-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175780-1

Comments

No additional comments.

Receipt

The sample was received on 9/30/2020 8:00 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

General Chemistry

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

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Detection Summary

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

Job ID: 480-175780-1

Client Sample ID: EFFLUENT 092920

Lab Sample ID: 480-175780-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	713		10.0	4.0	mg/L	1		SM2540 C	Total/NA

- 1
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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-175780-1

Client Sample ID: EFFLUENT 092920

Lab Sample ID: 480-175780-1

Date Collected: 09/29/20 07:00

Matrix: Wastewater

Date Received: 09/30/20 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	713		10.0	4.0	mg/L			09/30/20 16:29	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/30/20 16:54	1

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QC Sample Results

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

Job ID: 480-175780-1

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

Lab Sample ID: MB 480-551940/1
 Matrix: Water
 Analysis Batch: 551940

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/30/20 16:54	1

Lab Sample ID: LCS 480-551940/2
 Matrix: Water
 Analysis Batch: 551940

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	271	258.0		mg/L		95	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-551932/1
 Matrix: Water
 Analysis Batch: 551932

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/30/20 16:29	1

Lab Sample ID: LCS 480-551932/2
 Matrix: Water
 Analysis Batch: 551932

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	493.0		mg/L		98	85 - 115

Lab Sample ID: 480-175780-1 DU
 Matrix: Wastewater
 Analysis Batch: 551932

Client Sample ID: EFFLUENT 092920
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	713		722.0		mg/L		1	10

QC Association Summary

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

Job ID: 480-175780-1

General Chemistry

Analysis Batch: 551932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175780-1	EFFLUENT 092920	Total/NA	Wastewater	SM2540 C	
MB 480-551932/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-551932/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-175780-1 DU	EFFLUENT 092920	Total/NA	Wastewater	SM2540 C	

Analysis Batch: 551940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175780-1	EFFLUENT 092920	Total/NA	Wastewater	SM 2540D	
MB 480-551940/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-551940/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

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

Job ID: 480-175780-1

Client Sample ID: EFFLUENT 092920

Lab Sample ID: 480-175780-1

Date Collected: 09/29/20 07:00

Matrix: Wastewater

Date Received: 09/30/20 08:00

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Analysis	SM 2540D		1	551940	09/30/20 16:54	E1T	TAL BUF
Total/NA	Analysis	SM2540 C		1	551932	09/30/20 16:29	E1T	TAL BUF

Laboratory References:

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



Accreditation/Certification Summary

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

Job ID: 480-175780-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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Method Summary

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

Job ID: 480-175780-1

Method	Method Description	Protocol	Laboratory
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM2540 C	Total Dissolved Solids	SM18	TAL BUF

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

Laboratory References:

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



Sample Summary

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

Job ID: 480-175780-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175780-1	EFFLUENT 092920	Wastewater	09/29/20 07:00	09/30/20 08:00	

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Client Information Client Contact: Mr. Yuri Veliz Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: yuri.veliz@ramboll.com Project Name: Former Accurate Die Cast Site: New York		Lab PM: Giacomazza, Joe V E-Mail: joegiacomazza@testamericainc.com Phone: 315-789-1300 Sampler: Mike Tom Koennike		COC No: 480-145326-10586.1 Page: Page 1 of 1 Job #: #225	
Due Date Requested: TAT Requested (days): 5+D		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNBO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Effluent 092920		Sample Date: 9-29-20 Sample Time: 7:00 Sample Type (C=Comp, G=grab): C Matrix (W=water, S=solid, O=volatile, T=tissue, A=air): Water		Field Filtered Sample (Yes or No): Perform MS/MSD (Yes or No): 2540D - Total Suspended Solids: N 2540C - Calcd - Total Dissolved Solids: N	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Special Instructions/Note: 480-175780 Chain of Custody		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by: Mike Koennike Relinquished by: R. E. T. G. 11.16 Relinquished by:		Date: 9-29-20 / 8:30 Date/Time: 9-29-20, 19:00 Date/Time:		Method of Shipment: Received by: [Signature] Received by: [Signature] Received by: [Signature]	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.: #1 214		Cooler Temperature(s) °C and Other Remarks:	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-175780-1

Login Number: 175780

List Number: 1

Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

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

