

Mr. Michael Belveg

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

Date May 5, 2021

**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 first quarter of 2021 (January 1 through March 31, 2021). 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
333 West Washington Street
Syracuse, NY 13202
USA

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Operation Status and Activities Completed

As of March 31, 2021, a total of 125,688,249 gallons of groundwater have been treated since startup on February 5, 1996. From January 1 to March 31, 2021, 725,094 gallons of groundwater were treated: 195,422 gallons from recovery well RW-1; 529,506 gallons from recovery well RW-2; and 166 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 (Area 2).

The analytical results associated with the SPDES Fact Sheet monitoring activities performed during January, February, and March 2021 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**.

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: J. Cook – 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											
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample Type	1/4/2021	1/6/2021	1/7/2021	1/8/2021	1/11/2021	1/13/2021	1/15/2021	1/19/2021	1/21/2021	1/25/2021	1/26/2021	1/27/2021
	Daily Average	Daily Maximum	Frequency (1)													
Flow (GPD)	Monitor	150000	Continuous	Meter	7193	7497	7570	7648	7689	7798	7811	7825	7815	7831	7840	7846
pH (SU)	6.5-8.5		2/Week	Grab	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4 U				6			4 U		4 U		
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	826				815			886		845		
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	1.0 U							1.0 U				
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U				
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	1.0 U							1.0 U				
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U				
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U				
Toluene (ug/L)	Monitor	20	2/Month	Grab	1.0 U							1.0 U				
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U				

Notes:
 --- - Not analyzed, NA - Data Not available
 U - Not Detected, J - Estimated, 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											
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample Type	1/29/2021	2/1/2021	2/3/2021	2/8/2021	2/10/2021	2/15/2021	2/16-17/2021	2/22/2021	2/25/2021	2/26/2021	3/1/2021	3/2/2021
	Daily Average	Daily Maximum	Frequency (1)													
Flow (GPD)	Monitor	150000	Continuous	Meter	7764	7769	7791	7668	7558	7514	7489	7400	7379	7242	7341	7537
pH (SU)	6.5-8.5		2/Week	Grab	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.		4 U		4.0 U			4.0 U		4.0 U		4.0 U	
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.		796		701			827		895		731	
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.											0.00020 U	
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.											0.0037 J	
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		1.0 U						1.0 U			1.0 U	
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		1.0 U						1.0 U			1.0 U	
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab		1.0 U						1.0 U			1.0 U	
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab		1.0 U						1.0 U			1.0 U	
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab		1.0 U						1.0 U			1.0 U	
Toluene (ug/L)	Monitor	20	2/Month	Grab		1.0 U						1.0 U			1.0 U	
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab		1.0 U						1.0 U			1.0 U	

Notes:
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 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										
	Discharge Limitation	Discharge Limitation	Minimum Measurement	Sample Type	3/5/2021	3/8/2021	3/10/2021	3/11/2021	3/12/2021	3/17/2021	3/26/2021	3/29/2021	3/30/2021	3/31/2021	4/1/2021
	Daily Average	Daily Maximum	Frequency (1)												
Flow (GPD)	Monitor	150000	Continuous	Meter	7802	8159	8415	8250	8607	8538	8760	8866	8756	8982	8979
pH (SU)	6.5-8.5		2/Week	Grab	8.3	8.4	8.4	7.4	7.4	7.4	7.4	7.5	7.5	7.4	7.4
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.		4.0 U				4.0 U	4.0 U	4.0 U			
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.		775				834	842	813			
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						1.0 U					
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab						1.0 U					
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab						1.0 U					
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab						1.0 U					
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab						1.0 U					
Toluene (ug/L)	Monitor	20	2/Month	Grab						1.0 U					
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab						1.0 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.

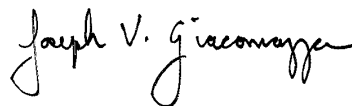
ANALYTICAL REPORT

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

Laboratory Job ID: 480-179913-1
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:
1/18/2021 8:21:50 AM

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: 480-179913-1

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: 480-179913-1

Job ID: 480-179913-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-179913-1

Comments

No additional comments.

Receipt

The samples were received on 1/7/2021 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9° 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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- 5
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- 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: 480-179913-1

Client Sample ID: EFFLUENT - 010421

Lab Sample ID: 480-179913-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	826		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 010421

Lab Sample ID: 480-179913-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.2		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	12		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 010421

Lab Sample ID: 480-179913-3

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: 480-179913-1

Client Sample ID: EFFLUENT - 010421

Lab Sample ID: 480-179913-1

Date Collected: 01/04/21 07:15

Matrix: Water

Date Received: 01/07/21 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	826		10.0	4.0	mg/L			01/08/21 13:24	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/07/21 12:19	1

Client Sample ID: BETWEEN CARBONS 010421

Lab Sample ID: 480-179913-2

Date Collected: 01/04/21 07:15

Matrix: Water

Date Received: 01/07/21 10:00

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			01/07/21 15:12	1
cis-1,2-Dichloroethene	6.2		1.0	0.81	ug/L			01/07/21 15:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/07/21 15:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/07/21 15:12	1
Toluene	ND		1.0	0.51	ug/L			01/07/21 15:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/07/21 15:12	1
Trichloroethene	12		1.0	0.46	ug/L			01/07/21 15:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					01/07/21 15:12	1
4-Bromofluorobenzene (Surr)	104		73 - 120					01/07/21 15:12	1
Toluene-d8 (Surr)	102		80 - 120					01/07/21 15:12	1
Dibromofluoromethane (Surr)	107		75 - 123					01/07/21 15:12	1

Client Sample ID: EFFLUENT 010421

Lab Sample ID: 480-179913-3

Date Collected: 01/04/21 07:15

Matrix: Water

Date Received: 01/07/21 10:00

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			01/07/21 15:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/07/21 15:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/07/21 15:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/07/21 15:35	1
Toluene	ND		1.0	0.51	ug/L			01/07/21 15:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/07/21 15:35	1
Trichloroethene	ND		1.0	0.46	ug/L			01/07/21 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120					01/07/21 15:35	1
4-Bromofluorobenzene (Surr)	105		73 - 120					01/07/21 15:35	1
Toluene-d8 (Surr)	102		80 - 120					01/07/21 15:35	1
Dibromofluoromethane (Surr)	105		75 - 123					01/07/21 15:35	1

Surrogate Summary

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

Job ID: 480-179913-1

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)
480-179913-2	BETWEEN CARBONS 010421	105	104	102	107
480-179913-3	EFFLUENT 010421	104	105	102	105
LCS 480-565387/5	Lab Control Sample	103	105	100	107
MB 480-565387/7	Method Blank	103	103	101	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: 480-179913-1

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

Lab Sample ID: MB 480-565387/7
Matrix: Water
Analysis Batch: 565387

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			01/07/21 11:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/07/21 11:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/07/21 11:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/07/21 11:08	1
Toluene	ND		1.0	0.51	ug/L			01/07/21 11:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/07/21 11:08	1
Trichloroethene	ND		1.0	0.46	ug/L			01/07/21 11:08	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		01/07/21 11:08	1
4-Bromofluorobenzene (Surr)	103		73 - 120		01/07/21 11:08	1
Toluene-d8 (Surr)	101		80 - 120		01/07/21 11:08	1
Dibromofluoromethane (Surr)	105		75 - 123		01/07/21 11:08	1

Lab Sample ID: LCS 480-565387/5
Matrix: Water
Analysis Batch: 565387

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	25.5		ug/L		102	76 - 120
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Tetrachloroethene	25.0	27.7		ug/L		111	74 - 122
Toluene	25.0	25.4		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
Trichloroethene	25.0	26.4		ug/L		106	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	107		75 - 123

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

Lab Sample ID: MB 480-565440/1
Matrix: Water
Analysis Batch: 565440

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			01/07/21 12:19	1

Lab Sample ID: LCS 480-565440/2
Matrix: Water
Analysis Batch: 565440

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	1610	1602		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: 480-179913-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-565563/1
Matrix: Water
Analysis Batch: 565563

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			01/08/21 13:24	1

Lab Sample ID: LCS 480-565563/2
Matrix: Water
Analysis Batch: 565563

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	503	504.0		mg/L		100	85 - 115

Lab Sample ID: 480-179913-1 DU
Matrix: Water
Analysis Batch: 565563

Client Sample ID: EFFLUENT - 010421
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	826		819.0		mg/L		0.9	10

QC Association Summary

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

Job ID: 480-179913-1

GC/MS VOA

Analysis Batch: 565387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179913-2	BETWEEN CARBONS 010421	Total/NA	Water	8260C	
480-179913-3	EFFLUENT 010421	Total/NA	Water	8260C	
MB 480-565387/7	Method Blank	Total/NA	Water	8260C	
LCS 480-565387/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 565440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179913-1	EFFLUENT - 010421	Total/NA	Water	SM 2540D	
MB 480-565440/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-565440/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 565563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179913-1	EFFLUENT - 010421	Total/NA	Water	SM2540 C	
MB 480-565563/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-565563/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-179913-1 DU	EFFLUENT - 010421	Total/NA	Water	SM2540 C	

Lab Chronicle

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

Job ID: 480-179913-1

Client Sample ID: EFFLUENT - 010421

Lab Sample ID: 480-179913-1

Date Collected: 01/04/21 07:15

Matrix: Water

Date Received: 01/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	565440	01/07/21 12:19	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	565563	01/08/21 13:24	CSS	TAL BUF

Client Sample ID: BETWEEN CARBONS 010421

Lab Sample ID: 480-179913-2

Date Collected: 01/04/21 07:15

Matrix: Water

Date Received: 01/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	565387	01/07/21 15:12	CRL	TAL BUF

Client Sample ID: EFFLUENT 010421

Lab Sample ID: 480-179913-3

Date Collected: 01/04/21 07:15

Matrix: Water

Date Received: 01/07/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	565387	01/07/21 15:35	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: 480-179913-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

- 1
- 2
- 3
- 4
- 5
- 6
- 7
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- 10
- 11
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- 13
- 14
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Method Summary

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

Job ID: 480-179913-1

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: 480-179913-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-179913-1	EFFLUENT - 010421	Water	01/04/21 07:15	01/07/21 10:00	
480-179913-2	BETWEEN CARBONS 010421	Water	01/04/21 07:15	01/07/21 10:00	
480-179913-3	EFFLUENT 010421	Water	01/04/21 07:15	01/07/21 10:00	

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Chain of Custody Record

Client Information		Lab PM: Giacomazza, Joe V		Camer Tracking No(s): Syracuse		COC No: 480-145296-10588.1			
Client Contact: Mr. Yuri Veliz		E-Mail: joe.giacomazza@testamericainc.com		State of NY: Syracuse		Page 1 of 1			
Company: O'Brien & Gere Inc of North America		FWSID:		Analysis Requested: #225		Job #:			
Address: 333 West Washington St. PO BOX 4873		Due Date Requested:		Total Number of Containers:		Preservation Codes:			
City: East Syracuse		TAT Requested (days):		2540C - Volatile Organic Compounds		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:			
State Zip: NY, 13221		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		2540C - Calcd - Total Dissolved Solids		M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		PO #: 12000090		2540D - Total Suspended Solids		Special Instructions/Note:			
Email: Yuri.veliz@ramboll.com		WO #: 48008584		Perform MS/MSD (Yes or No)					
Project Name: Former Accurate Die Cast		Project #: 48008584		Field Filtered Sample (Yes or No)					
Site: New York		SSOW#:		N N A					
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Preservation Code	Matrix (W=water, S=solid, O=water/Oil, BT=Tissue, A=Air)	2540C - Calcd - Total Dissolved Solids	2540D - Total Suspended Solids	8260C - Volatile Organic Compounds	Total Number of Containers
Effluent 010421	1-4-21	7:15	C		Water	11			2
Between Carbons 010421	1-4-21	7:15	G		Water	3			3
Effluent 010421	1-4-21	7:15	G		W	3			3
 480-179913 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: Marta Koennecke Date/Time: 1-4-21 10:30 Company: OBG									
Relinquished by: REIGHLH Date/Time: 1-4-24 19:00 Company: SN									
Relinquished by: REIGHLH Date/Time: 1-7-21 1000 Company: TR									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: 2.9 #1									
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:									

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-179913-1

Login Number: 179913

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	2.9 #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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



ANALYTICAL REPORT

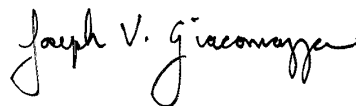
Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-180085-1
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:
1/20/2021 9:19:01 AM

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

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

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

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



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Sample Summary	12
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Definitions/Glossary

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

Job ID: 480-180085-1

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: 480-180085-1

Job ID: 480-180085-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-180085-1

Comments

No additional comments.

Receipt

The sample was received on 1/12/2021 11:00 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0° C.

General Chemistry

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

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Detection Summary

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

Job ID: 480-180085-1

Client Sample ID: EFFLUENT 011121

Lab Sample ID: 480-180085-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	6.0		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Total Dissolved Solids	815		10.0	4.0	mg/L	1		SM2540 C	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: 480-180085-1

Client Sample ID: EFFLUENT 011121

Lab Sample ID: 480-180085-1

Date Collected: 01/11/21 07:15

Matrix: Water

Date Received: 01/12/21 11:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	815		10.0	4.0	mg/L			01/14/21 17:06	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.0		4.0	4.0	mg/L			01/13/21 13:14	1

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QC Sample Results

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

Job ID: 480-180085-1

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

Lab Sample ID: MB 480-566008/1
Matrix: Water
Analysis Batch: 566008

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			01/13/21 13:14	1

Lab Sample ID: LCS 480-566008/2
Matrix: Water
Analysis Batch: 566008

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	1600	1599		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-566183/1
Matrix: Water
Analysis Batch: 566183

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			01/14/21 17:06	1

Lab Sample ID: LCS 480-566183/2
Matrix: Water
Analysis Batch: 566183

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	503	516.0		mg/L		103	85 - 115

QC Association Summary

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

Job ID: 480-180085-1

General Chemistry

Analysis Batch: 566008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180085-1	EFFLUENT 011121	Total/NA	Water	SM 2540D	
MB 480-566008/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-566008/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 566183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180085-1	EFFLUENT 011121	Total/NA	Water	SM2540 C	
MB 480-566183/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-566183/2	Lab Control Sample	Total/NA	Water	SM2540 C	

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- 2
- 3
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- 5
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- 7
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- 10
- 11
- 12
- 13
- 14

Lab Chronicle

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

Job ID: 480-180085-1

Client Sample ID: EFFLUENT 011121

Lab Sample ID: 480-180085-1

Date Collected: 01/11/21 07:15

Matrix: Water

Date Received: 01/12/21 11:00

<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	566008	01/13/21 13:14	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	566183	01/14/21 17:06	CSS	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: 480-180085-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

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

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

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

Method Summary

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

Job ID: 480-180085-1

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: 480-180085-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-180085-1	EFFLUENT 011121	Water	01/11/21 07:15	01/12/21 11:00	

- 1
- 2
- 3
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- 14

Chain of Custody Record

Client Information		Lab P#: 480-145334-10586.1	
Client Contact: Mr. Yuri Veliz		Camera Tracking No(s): Syracuse	
Company: O'Brien & Gere Inc of North America		Page: 1 of 1	
Address: 333 West Washington St. PO BOX 4873		Job #:	
City: East Syracuse		Analysis Requested #225	
State, Zip: NY, 13221		Preservation Codes:	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MerOH M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Dodecylhydrate S - 304 T - 4A U - 4-5 V - r (specify)	
Email: yuri.veliz@ramboll.com			
Project #: 48008584		480-180085 Chain of Custody	
Site: New York			

Sampler: Maarten Koenecke		Lab P#: 480-145334-10586.1	
Phone: 315-939-1300		Camera Tracking No(s): Syracuse	
E-Mail: Joe.giacomazza@testamericainc.com		Page: 1 of 1	
PWSID:		Job #:	
Due Date Requested:		Analysis Requested #225	
TAT Requested (days): 5		Preservation Codes:	
Compliance Project: Yes <input type="checkbox"/> No <input type="checkbox"/>		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MerOH M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Dodecylhydrate S - 304 T - 4A U - 4-5 V - r (specify)	
PO #: 12000090			
WO #:		480-180085 Chain of Custody	
Project #:			
SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Soil, Organics, etc.)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C - Calcd - Total Dissolved Solids	Special Instructions/Note:
Effluent 01121	1-11-21	7:15	C	Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	11	N	
2-11-21										
2-11-21										

Possible Hazard Identification		Date: _____	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	Method of Shipment:	
<input type="checkbox"/> Deliverable Requested: I, II, III, IV, Other (specify)	<input type="checkbox"/> Skin Irritant	Received by: _____	
<input type="checkbox"/> Empty Kit Relinquished by:		Date/Time: 1-11-21 / 11:10	
Relinquished by: Maarten Koenecke		Company: OB&G	
Relinquished by: REIGHLICH		Date/Time: 1-11-21 / 1900	
Relinquished by:		Company: Syr	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: #1 3.0	

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-180085-1

Login Number: 180085

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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: 480-180392-1

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:

1/28/2021 9:33:28 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: 480-180392-1

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: 480-180392-1

Job ID: 480-180392-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-180392-1

Comments

No additional comments.

Receipt

The samples were received on 1/20/2021 9:30 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: 480-180392-1

Client Sample ID: Effluent 011921 Comp

Lab Sample ID: 480-180392-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	886		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: Effluent 011921 Grab

Lab Sample ID: 480-180392-2

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: 480-180392-1

Client Sample ID: Effluent 011921 Comp

Lab Sample ID: 480-180392-1

Date Collected: 01/19/21 07:20

Matrix: Water

Date Received: 01/20/21 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	886		10.0	4.0	mg/L			01/20/21 13:29	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/22/21 14:27	1

Client Sample ID: Effluent 011921 Grab

Lab Sample ID: 480-180392-2

Date Collected: 01/19/21 07:20

Matrix: Water

Date Received: 01/20/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/22/21 23:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/22/21 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/22/21 23:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/22/21 23:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/22/21 23:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/22/21 23:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/22/21 23:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/22/21 23:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/22/21 23:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/22/21 23:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/22/21 23:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/22/21 23:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/22/21 23:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/22/21 23:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/22/21 23:05	1
2-Hexanone	ND		5.0	1.2	ug/L			01/22/21 23:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/22/21 23:05	1
Acetone	ND		10	3.0	ug/L			01/22/21 23:05	1
Benzene	ND		1.0	0.41	ug/L			01/22/21 23:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/22/21 23:05	1
Bromoform	ND		1.0	0.26	ug/L			01/22/21 23:05	1
Bromomethane	ND		1.0	0.69	ug/L			01/22/21 23:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/22/21 23:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/22/21 23:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/22/21 23:05	1
Chloroethane	ND		1.0	0.32	ug/L			01/22/21 23:05	1
Chloroform	ND		1.0	0.34	ug/L			01/22/21 23:05	1
Chloromethane	ND		1.0	0.35	ug/L			01/22/21 23:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/22/21 23:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/22/21 23:05	1
Cyclohexane	ND		1.0	0.18	ug/L			01/22/21 23:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/22/21 23:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/22/21 23:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/22/21 23:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/22/21 23:05	1
Methyl acetate	ND		2.5	1.3	ug/L			01/22/21 23:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/22/21 23:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/22/21 23:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/22/21 23:05	1
Styrene	ND		1.0	0.73	ug/L			01/22/21 23:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-180392-1

Client Sample ID: Effluent 011921 Grab

Lab Sample ID: 480-180392-2

Date Collected: 01/19/21 07:20

Matrix: Water

Date Received: 01/20/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			01/22/21 23:05	1
Toluene	ND		1.0	0.51	ug/L			01/22/21 23:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/22/21 23:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/22/21 23:05	1
Trichloroethene	ND		1.0	0.46	ug/L			01/22/21 23:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/22/21 23:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/22/21 23:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/22/21 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120					01/22/21 23:05	1
4-Bromofluorobenzene (Surr)	102		73 - 120					01/22/21 23:05	1
Dibromofluoromethane (Surr)	106		75 - 123					01/22/21 23:05	1
Toluene-d8 (Surr)	99		80 - 120					01/22/21 23:05	1

Surrogate Summary

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

Job ID: 480-180392-1

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	DBFM	TOL
		(77-120)	(73-120)	(75-123)	(80-120)
480-180392-2	Effluent 011921 Grab	104	102	106	99
LCS 480-567041/6	Lab Control Sample	104	104	107	98
MB 480-567041/8	Method Blank	108	102	109	101

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-180392-1

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

Lab Sample ID: MB 480-567041/8

Matrix: Water

Analysis Batch: 567041

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/22/21 22:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/22/21 22:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/22/21 22:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/22/21 22:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/22/21 22:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/22/21 22:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/22/21 22:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/22/21 22:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/22/21 22:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/22/21 22:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/22/21 22:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/22/21 22:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/22/21 22:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/22/21 22:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/22/21 22:42	1
2-Hexanone	ND		5.0	1.2	ug/L			01/22/21 22:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/22/21 22:42	1
Acetone	ND		10	3.0	ug/L			01/22/21 22:42	1
Benzene	ND		1.0	0.41	ug/L			01/22/21 22:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/22/21 22:42	1
Bromoform	ND		1.0	0.26	ug/L			01/22/21 22:42	1
Bromomethane	ND		1.0	0.69	ug/L			01/22/21 22:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/22/21 22:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/22/21 22:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/22/21 22:42	1
Chloroethane	ND		1.0	0.32	ug/L			01/22/21 22:42	1
Chloroform	ND		1.0	0.34	ug/L			01/22/21 22:42	1
Chloromethane	ND		1.0	0.35	ug/L			01/22/21 22:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/22/21 22:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/22/21 22:42	1
Cyclohexane	ND		1.0	0.18	ug/L			01/22/21 22:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/22/21 22:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/22/21 22:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/22/21 22:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/22/21 22:42	1
Methyl acetate	ND		2.5	1.3	ug/L			01/22/21 22:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/22/21 22:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/22/21 22:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/22/21 22:42	1
Styrene	ND		1.0	0.73	ug/L			01/22/21 22:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/22/21 22:42	1
Toluene	ND		1.0	0.51	ug/L			01/22/21 22:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/22/21 22:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/22/21 22:42	1
Trichloroethene	ND		1.0	0.46	ug/L			01/22/21 22:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/22/21 22:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/22/21 22:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/22/21 22:42	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-180392-1

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

Lab Sample ID: MB 480-567041/8

Matrix: Water

Analysis Batch: 567041

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		01/22/21 22:42	1
4-Bromofluorobenzene (Surr)	102		73 - 120		01/22/21 22:42	1
Dibromofluoromethane (Surr)	109		75 - 123		01/22/21 22:42	1
Toluene-d8 (Surr)	101		80 - 120		01/22/21 22:42	1

Lab Sample ID: LCS 480-567041/6

Matrix: Water

Analysis Batch: 567041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.8		ug/L		91	61 - 148
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	25.9		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		102	56 - 134
1,2-Dibromoethane	25.0	26.5		ug/L		106	77 - 120
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	26.6		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.6		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	133		ug/L		106	57 - 140
2-Hexanone	125	129		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	129		ug/L		103	71 - 125
Acetone	125	131		ug/L		105	56 - 142
Benzene	25.0	25.1		ug/L		100	71 - 124
Bromodichloromethane	25.0	27.6		ug/L		110	80 - 122
Bromoform	25.0	28.1		ug/L		112	61 - 132
Bromomethane	25.0	22.1		ug/L		88	55 - 144
Carbon disulfide	25.0	22.5		ug/L		90	59 - 134
Carbon tetrachloride	25.0	28.2		ug/L		113	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Chloroethane	25.0	20.0		ug/L		80	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	19.6		ug/L		78	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	74 - 124
Cyclohexane	25.0	25.9		ug/L		104	59 - 135
Dibromochloromethane	25.0	27.3		ug/L		109	75 - 125
Dichlorodifluoromethane	25.0	18.3		ug/L		73	59 - 135
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Isopropylbenzene	25.0	24.3		ug/L		97	77 - 122
Methyl acetate	50.0	50.6		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		102	77 - 120
Methylcyclohexane	25.0	26.3		ug/L		105	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-180392-1

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

Lab Sample ID: LCS 480-567041/6

Matrix: Water

Analysis Batch: 567041

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	26.2		ug/L		105	80 - 120
Tetrachloroethene	25.0	26.9		ug/L		107	74 - 122
Toluene	25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	25.7		ug/L		103	80 - 120
Trichloroethene	25.0	26.3		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	25.3		ug/L		101	62 - 150
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	104		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123
Toluene-d8 (Surr)	98		80 - 120

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

Lab Sample ID: MB 480-567036/1

Matrix: Water

Analysis Batch: 567036

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			01/22/21 14:27	1

Lab Sample ID: LCS 480-567036/2

Matrix: Water

Analysis Batch: 567036

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	1990	1965		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-566779/1

Matrix: Water

Analysis Batch: 566779

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			01/20/21 13:29	1

Lab Sample ID: LCS 480-566779/2

Matrix: Water

Analysis Batch: 566779

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	503	510.0		mg/L		101	85 - 115

QC Sample Results

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

Job ID: 480-180392-1

Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: 480-180392-1 DU

Matrix: Water

Analysis Batch: 566779

Client Sample ID: Effluent 011921 Comp

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	886		889.0		mg/L		0.3	10

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QC Association Summary

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

Job ID: 480-180392-1

GC/MS VOA

Analysis Batch: 567041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180392-2	Effluent 011921 Grab	Total/NA	Water	8260C	
MB 480-567041/8	Method Blank	Total/NA	Water	8260C	
LCS 480-567041/6	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 566779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180392-1	Effluent 011921 Comp	Total/NA	Water	SM2540 C	
MB 480-566779/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-566779/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-180392-1 DU	Effluent 011921 Comp	Total/NA	Water	SM2540 C	

Analysis Batch: 567036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180392-1	Effluent 011921 Comp	Total/NA	Water	SM 2540D	
MB 480-567036/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-567036/2	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: 480-180392-1

Client Sample ID: Effluent 011921 Comp

Lab Sample ID: 480-180392-1

Date Collected: 01/19/21 07:20

Matrix: Water

Date Received: 01/20/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	567036	01/22/21 14:27	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	566779	01/20/21 13:29	CSS	TAL BUF

Client Sample ID: Effluent 011921 Grab

Lab Sample ID: 480-180392-2

Date Collected: 01/19/21 07:20

Matrix: Water

Date Received: 01/20/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	567041	01/22/21 23:05	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: 480-180392-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids



Method Summary

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

Job ID: 480-180392-1

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: 480-180392-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-180392-1	Effluent 011921 Comp	Water	01/19/21 07:20	01/20/21 09:30	
480-180392-2	Effluent 011921 Grab	Water	01/19/21 07:20	01/20/21 09:30	

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Chain of Custody Record



Environmental
America

Client Information		Lab PM:		Carrier Tracking No(s):		COC No:						
Sampler: <i>Martin Koennecke</i> Phone: <i>315-789-1300</i>		Giacomazza, Joe V E-Mail: <i>joe.giacomazza@testamericainc.com</i>		Syracuse Job #:		480-120191-10587.1 Page: Page 1 of 1						
Company: O'Brien & Gere Inc of North America Address: 333 West Washington St. PO BOX 4873 City: East Syracuse State, Zip: NY, 13221 Phone: 315-956-6100(Tel) 315-463-7554(Fax) Email: <i>yuri.veliz@ramboll.com</i>		Project #: 48008584 SOW#:		Analysis Requested #225		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:						
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, B=T-tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C - Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of Containers	Special Instructions/Note:
Effluent <i>011921</i> <i>Effluent 011921</i>		<i>1-19-21</i>	<i>7:20</i>	<i>C</i>	<i>Water</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>11</i>	<i>3</i>		<i>8</i>	
		<i>1-19-21</i>	<i>7:20</i>	<i>B</i>	<i>water</i>						<i>3</i>	
<p>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</p> <p>Deliverable Requested: I, II, III, IV, Other (specify)</p> <p>Empty Kit Relinquished by: _____ Date: _____</p> <p>Relinquished by: <i>Martin Koennecke</i> Date/Time: <i>1-19-21 / 10:05</i> Company: <i>OBG</i></p> <p>Relinquished by: <i>Reiglin</i> Date/Time: <i>1-19-21, 19:00</i> Company: <i>Sya</i></p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: _____</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Cooler Temperature(s) °C and Other Remarks: <i>3.3 #1</i></p>												



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-180392-1

Login Number: 180392

List Number: 1

Creator: Stopa, Erik S

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.	N/A	
Chlorine Residual checked.	N/A	



ANALYTICAL REPORT

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

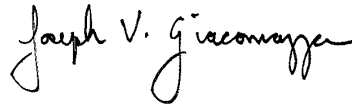
Laboratory Job ID: 480-180557-1

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:
1/31/2021 8:11:26 PM

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

joe.giacomazza@testamericainc.com

LINKS

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results through
TotalAccess

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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: 480-180557-1

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: 480-180557-1

Job ID: 480-180557-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-180557-1

Comments

No additional comments.

Receipt

The sample was received on 1/26/2021 1:00 PM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5° 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: 480-180557-1

Client Sample ID: EFFLUENT 012521

Lab Sample ID: 480-180557-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	845		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: 480-180557-1

Client Sample ID: EFFLUENT 012521

Lab Sample ID: 480-180557-1

Date Collected: 01/25/21 07:20

Matrix: Water

Date Received: 01/26/21 13:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	845		10.0	4.0	mg/L			01/28/21 12:17	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/28/21 12:24	1

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QC Sample Results

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

Job ID: 480-180557-1

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

Lab Sample ID: MB 480-567618/1
 Matrix: Water
 Analysis Batch: 567618

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			01/28/21 12:24	1

Lab Sample ID: LCS 480-567618/2
 Matrix: Water
 Analysis Batch: 567618

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	2410	2400		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-567614/1
 Matrix: Water
 Analysis Batch: 567614

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			01/28/21 12:17	1

Lab Sample ID: LCS 480-567614/2
 Matrix: Water
 Analysis Batch: 567614

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	503	506.0		mg/L		101	85 - 115

QC Association Summary

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

Job ID: 480-180557-1

General Chemistry

Analysis Batch: 567614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180557-1	EFFLUENT 012521	Total/NA	Water	SM2540 C	
MB 480-567614/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-567614/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 567618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180557-1	EFFLUENT 012521	Total/NA	Water	SM 2540D	
MB 480-567618/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-567618/2	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: 480-180557-1

Client Sample ID: EFFLUENT 012521

Lab Sample ID: 480-180557-1

Date Collected: 01/25/21 07:20

Matrix: Water

Date Received: 01/26/21 13:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	567618	01/28/21 12:24	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	567614	01/28/21 12:17	CSS	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: 480-180557-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

- 1
- 2
- 3
- 4
- 5
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- 13
- 14

Method Summary

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

Job ID: 480-180557-1

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: 480-180557-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-180557-1	EFFLUENT 012521	Water	01/25/21 07:20	01/26/21 13:00	

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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 PM: Giacomozza, Joe V E-Mail: joe.giacomazza@estamericainc.com PWSID:		Sample ID: <i>Martin Koenecke</i> Phone: 315-729-1300 Company:		Camera Tracking No(s): Syracuse Stage or Origin:		COC No: 480-120420-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 12000090 WO #:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> N Perform MSMSD (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		Analysis Requested: #225		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:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Effluent <i>012521</i> Sample Date: 1-25-21 7:20 Sample Time: 7:20 Sample Type (C=comp, G=grab): C Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=air): Water Preservation Code:		Total Number of Containers: 2		Special Instructions/Note:  480-180557 Chain of Custody		Special Instructions/Note:			
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)		<input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:			
Empty Kit Relinquished by: Relinquished by: <i>White Krenshel</i> Date/Time: 1-25-21/10:25 Company: <i>OBG</i>		Relinquished by: <i>Reig/116</i> Date/Time: 1-25-21/19:00 Company:		Relinquished by: <i>Reig/116</i> Date/Time: 1-25-21/10:25 Company:		Relinquished by: <i>Reig/116</i> Date/Time: 1-25-21/10:25 Company:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.5 #1		Method of Shipment:			



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-180557-1

Login Number: 180557

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	2.5 #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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

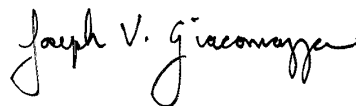
ANALYTICAL REPORT

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

Laboratory Job ID: 480-180751-1
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:
2/15/2021 9:17:25 AM

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: 480-180751-1

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: 480-180751-1

Job ID: 480-180751-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-180751-1

Comments

No additional comments.

Receipt

The samples were received on 2/2/2021 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

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

General Chemistry

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

- 1
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Detection Summary

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

Job ID: 480-180751-1

Client Sample ID: EFFLUENT - COMP - 020121

Lab Sample ID: 480-180751-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	796		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS - 20121

Lab Sample ID: 480-180751-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.1		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	28		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT - GRAB - 020121

Lab Sample ID: 480-180751-3

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: 480-180751-1

Client Sample ID: EFFLUENT - COMP - 020121

Lab Sample ID: 480-180751-1

Date Collected: 02/01/21 07:20

Matrix: Water

Date Received: 02/02/21 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	796		10.0	4.0	mg/L			02/02/21 17:15	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/02/21 17:37	1

Client Sample ID: BETWEEN CARBONS - 20121

Lab Sample ID: 480-180751-2

Date Collected: 02/01/21 07:20

Matrix: Water

Date Received: 02/02/21 09:30

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			02/03/21 01:08	1
cis-1,2-Dichloroethene	6.1		1.0	0.81	ug/L			02/03/21 01:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/03/21 01:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/03/21 01:08	1
Toluene	ND		1.0	0.51	ug/L			02/03/21 01:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/03/21 01:08	1
Trichloroethene	28		1.0	0.46	ug/L			02/03/21 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120					02/03/21 01:08	1
4-Bromofluorobenzene (Surr)	98		73 - 120					02/03/21 01:08	1
Toluene-d8 (Surr)	90		80 - 120					02/03/21 01:08	1
Dibromofluoromethane (Surr)	92		75 - 123					02/03/21 01:08	1

Client Sample ID: EFFLUENT - GRAB - 020121

Lab Sample ID: 480-180751-3

Date Collected: 02/01/21 07:20

Matrix: Water

Date Received: 02/02/21 09:30

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			02/03/21 01:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/03/21 01:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/03/21 01:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/03/21 01:33	1
Toluene	ND		1.0	0.51	ug/L			02/03/21 01:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/03/21 01:33	1
Trichloroethene	ND		1.0	0.46	ug/L			02/03/21 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120					02/03/21 01:33	1
4-Bromofluorobenzene (Surr)	95		73 - 120					02/03/21 01:33	1
Toluene-d8 (Surr)	90		80 - 120					02/03/21 01:33	1
Dibromofluoromethane (Surr)	92		75 - 123					02/03/21 01:33	1

Surrogate Summary

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

Job ID: 480-180751-1

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)
480-180751-2	BETWEEN CARBONS - 20121	92	98	90	92
480-180751-3	EFFLUENT - GRAB - 020121	94	95	90	92
LCS 480-568138/6	Lab Control Sample	91	95	91	89
MB 480-568138/8	Method Blank	94	103	94	88

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: 480-180751-1

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

Lab Sample ID: MB 480-568138/8
Matrix: Water
Analysis Batch: 568138

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			02/02/21 23:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/02/21 23:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/02/21 23:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/02/21 23:54	1
Toluene	ND		1.0	0.51	ug/L			02/02/21 23:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/02/21 23:54	1
Trichloroethene	ND		1.0	0.46	ug/L			02/02/21 23:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		02/02/21 23:54	1
4-Bromofluorobenzene (Surr)	103		73 - 120		02/02/21 23:54	1
Toluene-d8 (Surr)	94		80 - 120		02/02/21 23:54	1
Dibromofluoromethane (Surr)	88		75 - 123		02/02/21 23:54	1

Lab Sample ID: LCS 480-568138/6
Matrix: Water
Analysis Batch: 568138

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	26.8		ug/L		107	76 - 120
cis-1,2-Dichloroethene	25.0	23.1		ug/L		92	74 - 124
Methylene Chloride	25.0	25.9		ug/L		104	75 - 124
Tetrachloroethene	25.0	23.6		ug/L		94	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		93	73 - 127
Trichloroethene	25.0	25.1		ug/L		101	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	91		77 - 120
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	91		80 - 120
Dibromofluoromethane (Surr)	89		75 - 123

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

Lab Sample ID: MB 480-568162/1
Matrix: Water
Analysis Batch: 568162

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			02/02/21 17:37	1

Lab Sample ID: LCS 480-568162/2
Matrix: Water
Analysis Batch: 568162

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	2520	2510		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: 480-180751-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-568158/1
Matrix: Water
Analysis Batch: 568158

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			02/02/21 17:15	1

Lab Sample ID: LCS 480-568158/2
Matrix: Water
Analysis Batch: 568158

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	503	520.0		mg/L		103	85 - 115



QC Association Summary

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

Job ID: 480-180751-1

GC/MS VOA

Analysis Batch: 568138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180751-2	BETWEEN CARBONS - 20121	Total/NA	Water	8260C	
480-180751-3	EFFLUENT - GRAB - 020121	Total/NA	Water	8260C	
MB 480-568138/8	Method Blank	Total/NA	Water	8260C	
LCS 480-568138/6	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 568158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180751-1	EFFLUENT - COMP - 020121	Total/NA	Water	SM2540 C	
MB 480-568158/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-568158/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 568162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180751-1	EFFLUENT - COMP - 020121	Total/NA	Water	SM 2540D	
MB 480-568162/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-568162/2	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: 480-180751-1

Client Sample ID: EFFLUENT - COMP - 020121

Lab Sample ID: 480-180751-1

Date Collected: 02/01/21 07:20

Matrix: Water

Date Received: 02/02/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	568162	02/02/21 17:37	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	568158	02/02/21 17:15	CSS	TAL BUF

Client Sample ID: BETWEEN CARBONS - 20121

Lab Sample ID: 480-180751-2

Date Collected: 02/01/21 07:20

Matrix: Water

Date Received: 02/02/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	568138	02/03/21 01:08	RJF	TAL BUF

Client Sample ID: EFFLUENT - GRAB - 020121

Lab Sample ID: 480-180751-3

Date Collected: 02/01/21 07:20

Matrix: Water

Date Received: 02/02/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	568138	02/03/21 01:33	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: 480-180751-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

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

Method Summary

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

Job ID: 480-180751-1

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: 480-180751-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-180751-1	EFFLUENT - COMP - 020121	Water	02/01/21 07:20	02/02/21 09:30	
480-180751-2	BETWEEN CARBONS - 20121	Water	02/01/21 07:20	02/02/21 09:30	
480-180751-3	EFFLUENT - GRAB - 020121	Water	02/01/21 07:20	02/02/21 09:30	

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Syracuse
 Carmer Tracking No(s)

Lab PW: Giacomazza, Joe V
 E-Mail: joe.giacomazza@testamericainc.com
 State of Origin: #225
 Page 1 of 1
 Job #:

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

Due Date Requested:
 TAT Requested (days):
 Compliance Project: Yes No
 PO #: 12000090
 WO #:
 Project #: 48006584
 SSOW #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Soil, On-water, BT-Tissue, AVAL)	Analysis Requested				Special Instructions/Note:			
					Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C, Calcd - Total Dissolved Solids		8260C - Volatile Organic Compounds	Total Number of Containers	
Effluent 020121	2-1-21	7:20	C	Water			11					
Between Carbons 020121	2-1-21	7:20	G	Water			3					
Effluent 020121	2-1-21	7:20	G	W			3					
AP												
2/1/21												



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

Empty Kit Relinquished by: Date: Time:
 Relinquished by: [Signature] Date/Time: 2-1-21 / 10:00 Company: [Signature]
 Relinquished by: [Signature] Date/Time: 2-1-21 / 1900 Company: [Signature]

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

Method of Shipment: Date/Time: Date/Time: Date/Time: Company: Company: Company:
 Received by: [Signature] Date/Time: 2/1/21 1000 Es-Syn Company
 Received by: [Signature] Date/Time: 2/2/21 0900 [Signature] Company
 Received by: [Signature] Date/Time: [Signature] Company

Cooler Temperature(s) °C and Other Remarks: #1 2.4



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-180751-1

Login Number: 180751

List Number: 1

Creator: Stopa, Erik S

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.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

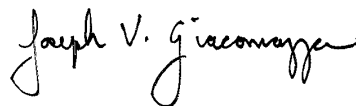
Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-180989-1
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:
2/15/2021 9:25:36 AM

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

LINKS

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results through
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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: 480-180989-1

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: 480-180989-1

Job ID: 480-180989-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

**Job Narrative
480-180989-1**

Comments

No additional comments.

Receipt

The sample was received on 2/9/2021 9:30 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: 480-180989-1

Client Sample ID: EFFLUENT 020821

Lab Sample ID: 480-180989-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	701		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: 480-180989-1

Client Sample ID: EFFLUENT 020821

Lab Sample ID: 480-180989-1

Date Collected: 02/08/21 07:20

Matrix: Water

Date Received: 02/09/21 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	701		10.0	4.0	mg/L			02/10/21 03:38	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/10/21 03:05	1

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QC Sample Results

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

Job ID: 480-180989-1

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

Lab Sample ID: MB 480-568866/1
 Matrix: Water
 Analysis Batch: 568866

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			02/10/21 03:05	1

Lab Sample ID: LCS 480-568866/2
 Matrix: Water
 Analysis Batch: 568866

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	382	373.2		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-568867/1
 Matrix: Water
 Analysis Batch: 568867

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			02/10/21 03:38	1

Lab Sample ID: LCS 480-568867/2
 Matrix: Water
 Analysis Batch: 568867

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	503	514.0		mg/L		102	85 - 115

QC Association Summary

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

Job ID: 480-180989-1

General Chemistry

Analysis Batch: 568866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180989-1	EFFLUENT 020821	Total/NA	Water	SM 2540D	
MB 480-568866/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-568866/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 568867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180989-1	EFFLUENT 020821	Total/NA	Water	SM2540 C	
MB 480-568867/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-568867/2	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: 480-180989-1

Client Sample ID: EFFLUENT 020821

Lab Sample ID: 480-180989-1

Date Collected: 02/08/21 07:20

Matrix: Water

Date Received: 02/09/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	568866	02/10/21 03:05	SRW	TAL BUF
Total/NA	Analysis	SM2540 C		1	568867	02/10/21 03:38	SRW	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: 480-180989-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

- 1
- 2
- 3
- 4
- 5
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- 7
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- 10
- 11
- 12
- 13
- 14

Method Summary

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

Job ID: 480-180989-1

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: 480-180989-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-180989-1	EFFLUENT 020821	Water	02/08/21 07:20	02/09/21 09:30	

- 1
- 2
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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 PVI: Giacomazza, Joe V E-Mail: joe.giacomazza@testamericainc.com Carrier Tracking No(s): Syracuse State of Origin: #225 Job #:		COC No: 480-145335-10586.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 12000090 WO #: Project #: 48008584 SSOW#:		Analysis Requested Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> 2540D - Total Suspended Solids <input type="checkbox"/> N <input type="checkbox"/> 11 2540C - Calcd - Total Dissolved Solids <input type="checkbox"/> N <input type="checkbox"/> 11			
Sample Identification Sample Date: 2-8-21 7:20 Sample Time: 7:20 Sample Type (C=Comp, G=grab): C Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air): Water		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid M - Hexane N - None O - As/NaO2 P - Na2O4S R - 2S03 S - SO3 SO4 P Dodecahydrate etone CAA H 4-5 her (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)		Special Instructions/Note: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Empty Kit Relinquished by: Relinquished by: Martin Koenig Date: 2-8-21 / 10:05 Company: RBG		Method of Shipment: Date/Time: 2-8-21 / 10:05 Received by: REIGHLICH Date/Time: 2-8-21 / 19:00 Received by: Byn Date/Time:			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: FI 28			



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-180989-1

Login Number: 180989

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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: 480-181237-1

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:
2/26/2021 1:43:07 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

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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: 480-181237-1

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: 480-181237-1

Job ID: 480-181237-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-181237-1

Comments

No additional comments.

Receipt

The sample was received on 2/17/2021 9:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3° 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: 480-181237-1

Client Sample ID: EFFLUENT 021621

Lab Sample ID: 480-181237-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	827		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: 480-181237-1

Client Sample ID: EFFLUENT 021621

Lab Sample ID: 480-181237-1

Date Collected: 02/16/21 09:15

Matrix: Water

Date Received: 02/17/21 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	827		10.0	4.0	mg/L			02/18/21 15:13	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/18/21 15:15	1

- 1
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QC Sample Results

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

Job ID: 480-181237-1

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

Lab Sample ID: MB 480-570018/1
 Matrix: Water
 Analysis Batch: 570018

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			02/18/21 15:15	1

Lab Sample ID: LCS 480-570018/2
 Matrix: Water
 Analysis Batch: 570018

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	2860	2848		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-570017/1
 Matrix: Water
 Analysis Batch: 570017

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			02/18/21 15:13	1

Lab Sample ID: LCS 480-570017/2
 Matrix: Water
 Analysis Batch: 570017

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	503	500.0		mg/L		99	85 - 115

QC Association Summary

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

Job ID: 480-181237-1

General Chemistry

Analysis Batch: 570017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181237-1	EFFLUENT 021621	Total/NA	Water	SM2540 C	
MB 480-570017/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-570017/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 570018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181237-1	EFFLUENT 021621	Total/NA	Water	SM 2540D	
MB 480-570018/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-570018/2	Lab Control Sample	Total/NA	Water	SM 2540D	

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- 13
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Lab Chronicle

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

Job ID: 480-181237-1

Client Sample ID: EFFLUENT 021621

Lab Sample ID: 480-181237-1

Date Collected: 02/16/21 09:15

Matrix: Water

Date Received: 02/17/21 09:00

<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	570018	02/18/21 15:15	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	570017	02/18/21 15:13	CSS	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: 480-181237-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

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

Method Summary

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

Job ID: 480-181237-1

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: 480-181237-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-181237-1	EFFLUENT 021621	Water	02/16/21 09:15	02/17/21 09:00	

- 1
- 2
- 3
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Client Information	Sampler: <i>Martin Kowalski</i> Phone: <i>315-789-1300</i> PWSID:	Lab PM: <i>Giomazza, Joe V</i> E-Mail: <i>joegiomazza@testamericainc.com</i>	Camer Tracking No(s): <i>480-145338-10586.1</i> State of Origin:	Page: <i>1 of 1</i> Job #:
Due Date Requested: _____ TAT Requested (days): _____ Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: <i>12000090</i> WO #: _____ Project #: <i>48008584</i> SSOW#: _____		Analysis Requested		
Address: <i>333 West Washington St. PO BOX 4873</i> City: <i>East Syracuse</i> State, Zip: <i>NY, 13221</i> Phone: <i>315-956-6100(Tel) 315-463-7554(Fax)</i> Email: <i>yuri.veliz@ramboll.com</i> Project Name: <i>Former Accurate Die Cast</i> Site: <i>New York</i>		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2SO4 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other: _____		
Sample Identification Sample Date: <i>2-16-21 9:15</i> Sample Time: <i>9:15</i> Sample Type (C=Comp, G=grab): <i>C</i> Matrix (W=water, S=solid, O=soil, BT=tissue, AA=air): <i>Water</i>		Special Instructions/Note: 480-181237 Chain of Custody		
Sample Date: <i>2-16-21</i> Sample Time: <i>9:15</i> Sample Type (C=Comp, G=grab): <i>C</i> Matrix (W=water, S=solid, O=soil, BT=tissue, AA=air): <i>Water</i>		Total Number of Containers: <i>2</i>		
Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No): <input checked="" type="checkbox"/> 2540D - Total Suspended Solids: <i>1</i> 2540C - Calcd - Total Dissolved Solids: <i>1</i>		Special Instructions/Note:		
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				
Deliverable Requested: I, II, III, IV, Other (specify) _____				
Empty Kit Relinquished by: _____ Date: _____ Time: _____				
Relinquished by: <i>Martin Kowalski</i> Date/Time: <i>2-16-21 13:35</i> Company: <i>ES-PA</i>				
Relinquished by: _____ Date/Time: _____ Company: _____				
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: _____				



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-181237-1

Login Number: 181237

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

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

ANALYTICAL REPORT

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

Laboratory Job ID: 480-181490-1

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:

3/5/2021 2:51:23 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

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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: 480-181490-1

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: 480-181490-1

Job ID: 480-181490-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

**Job Narrative
480-181490-1**

Comments

No additional comments.

Receipt

The samples were received on 2/26/2021 10:30 AM. Unless otherwise noted below, 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
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- 5
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- 14
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Detection Summary

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

Job ID: 480-181490-1

Client Sample ID: EFFLUENT C 022521

Lab Sample ID: 480-181490-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	895		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLEUNT G 022521

Lab Sample ID: 480-181490-2

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: 480-181490-1

Client Sample ID: EFFLUENT C 022521

Lab Sample ID: 480-181490-1

Date Collected: 02/25/21 07:20

Matrix: Water

Date Received: 02/26/21 10:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	895		10.0	4.0	mg/L			03/02/21 11:53	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/27/21 17:09	1

Client Sample ID: EFFLEUNT G 022521

Lab Sample ID: 480-181490-2

Date Collected: 02/25/21 07:20

Matrix: Water

Date Received: 02/26/21 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/01/21 01:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/01/21 01:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/01/21 01:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/01/21 01:49	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/01/21 01:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/01/21 01:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/01/21 01:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/01/21 01:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/01/21 01:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/01/21 01:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/01/21 01:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/01/21 01:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/01/21 01:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/01/21 01:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/01/21 01:49	1
2-Hexanone	ND		5.0	1.2	ug/L			03/01/21 01:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/01/21 01:49	1
Acetone	ND		10	3.0	ug/L			03/01/21 01:49	1
Benzene	ND		1.0	0.41	ug/L			03/01/21 01:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/01/21 01:49	1
Bromoform	ND		1.0	0.26	ug/L			03/01/21 01:49	1
Bromomethane	ND		1.0	0.69	ug/L			03/01/21 01:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/01/21 01:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/01/21 01:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/01/21 01:49	1
Chloroethane	ND		1.0	0.32	ug/L			03/01/21 01:49	1
Chloroform	ND		1.0	0.34	ug/L			03/01/21 01:49	1
Chloromethane	ND		1.0	0.35	ug/L			03/01/21 01:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/01/21 01:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/01/21 01:49	1
Cyclohexane	ND		1.0	0.18	ug/L			03/01/21 01:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/01/21 01:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/01/21 01:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/01/21 01:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/01/21 01:49	1
Methyl acetate	ND		2.5	1.3	ug/L			03/01/21 01:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/01/21 01:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/01/21 01:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/01/21 01:49	1
Styrene	ND		1.0	0.73	ug/L			03/01/21 01:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-181490-1

Client Sample ID: EFFLEUNT G 022521

Lab Sample ID: 480-181490-2

Date Collected: 02/25/21 07:20

Matrix: Water

Date Received: 02/26/21 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			03/01/21 01:49	1
Toluene	ND		1.0	0.51	ug/L			03/01/21 01:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/01/21 01:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/01/21 01:49	1
Trichloroethene	ND		1.0	0.46	ug/L			03/01/21 01:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/01/21 01:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/01/21 01:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/01/21 01:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120					03/01/21 01:49	1
4-Bromofluorobenzene (Surr)	96		73 - 120					03/01/21 01:49	1
Dibromofluoromethane (Surr)	105		75 - 123					03/01/21 01:49	1
Toluene-d8 (Surr)	88		80 - 120					03/01/21 01:49	1

Surrogate Summary

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

Job ID: 480-181490-1

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	DBFM	TOL
		(77-120)	(73-120)	(75-123)	(80-120)
480-181490-2	EFFLEUNT G 022521	108	96	105	88
LCS 480-570836/5	Lab Control Sample	110	96	107	94
MB 480-570836/7	Method Blank	109	99	106	95

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-181490-1

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

Lab Sample ID: MB 480-570836/7

Matrix: Water

Analysis Batch: 570836

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/28/21 22:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/28/21 22:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/28/21 22:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/28/21 22:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/28/21 22:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/28/21 22:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/28/21 22:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/28/21 22:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/28/21 22:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/28/21 22:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/28/21 22:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/28/21 22:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/28/21 22:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/28/21 22:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/28/21 22:21	1
2-Hexanone	ND		5.0	1.2	ug/L			02/28/21 22:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/28/21 22:21	1
Acetone	ND		10	3.0	ug/L			02/28/21 22:21	1
Benzene	ND		1.0	0.41	ug/L			02/28/21 22:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/28/21 22:21	1
Bromoform	ND		1.0	0.26	ug/L			02/28/21 22:21	1
Bromomethane	ND		1.0	0.69	ug/L			02/28/21 22:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/28/21 22:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/28/21 22:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/28/21 22:21	1
Chloroethane	ND		1.0	0.32	ug/L			02/28/21 22:21	1
Chloroform	ND		1.0	0.34	ug/L			02/28/21 22:21	1
Chloromethane	ND		1.0	0.35	ug/L			02/28/21 22:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/28/21 22:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/28/21 22:21	1
Cyclohexane	ND		1.0	0.18	ug/L			02/28/21 22:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/28/21 22:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/28/21 22:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/28/21 22:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/28/21 22:21	1
Methyl acetate	ND		2.5	1.3	ug/L			02/28/21 22:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/28/21 22:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/28/21 22:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/28/21 22:21	1
Styrene	ND		1.0	0.73	ug/L			02/28/21 22:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/28/21 22:21	1
Toluene	ND		1.0	0.51	ug/L			02/28/21 22:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/28/21 22:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/28/21 22:21	1
Trichloroethene	ND		1.0	0.46	ug/L			02/28/21 22:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/28/21 22:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/28/21 22:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/28/21 22:21	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-181490-1

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

Lab Sample ID: MB 480-570836/7

Matrix: Water

Analysis Batch: 570836

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		02/28/21 22:21	1
4-Bromofluorobenzene (Surr)	99		73 - 120		02/28/21 22:21	1
Dibromofluoromethane (Surr)	106		75 - 123		02/28/21 22:21	1
Toluene-d8 (Surr)	95		80 - 120		02/28/21 22:21	1

Lab Sample ID: LCS 480-570836/5

Matrix: Water

Analysis Batch: 570836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	29.2		ug/L		117	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8		ug/L		115	61 - 148
1,1,2-Trichloroethane	25.0	22.7		ug/L		91	76 - 122
1,1-Dichloroethane	25.0	26.2		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	27.1		ug/L		108	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.7		ug/L		99	56 - 134
1,2-Dibromoethane	25.0	24.5		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	26.8		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	24.6		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	25.0		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	141		ug/L		113	57 - 140
2-Hexanone	125	129		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Acetone	125	133		ug/L		106	56 - 142
Benzene	25.0	24.3		ug/L		97	71 - 124
Bromodichloromethane	25.0	27.9		ug/L		111	80 - 122
Bromoform	25.0	29.8		ug/L		119	61 - 132
Bromomethane	25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	25.0	25.6		ug/L		103	59 - 134
Carbon tetrachloride	25.0	30.9		ug/L		124	72 - 134
Chlorobenzene	25.0	24.6		ug/L		98	80 - 120
Chloroethane	25.0	21.8		ug/L		87	69 - 136
Chloroform	25.0	25.1		ug/L		100	73 - 127
Chloromethane	25.0	25.6		ug/L		102	68 - 124
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Cyclohexane	25.0	28.8		ug/L		115	59 - 135
Dibromochloromethane	25.0	27.7		ug/L		111	75 - 125
Dichlorodifluoromethane	25.0	28.7		ug/L		115	59 - 135
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122
Methyl acetate	50.0	51.6		ug/L		103	74 - 133
Methyl tert-butyl ether	25.0	25.0		ug/L		100	77 - 120
Methylcyclohexane	25.0	26.8		ug/L		107	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-181490-1

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

Lab Sample ID: LCS 480-570836/5

Matrix: Water

Analysis Batch: 570836

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	21.9		ug/L		88	75 - 124
Styrene	25.0	24.4		ug/L		98	80 - 120
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	25.9		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		95	80 - 120
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	29.9		ug/L		119	62 - 150
Vinyl chloride	25.0	23.6		ug/L		95	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	96		73 - 120
Dibromofluoromethane (Surr)	107		75 - 123
Toluene-d8 (Surr)	94		80 - 120

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

Lab Sample ID: MB 480-570805/1

Matrix: Water

Analysis Batch: 570805

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/27/21 17:09	1

Lab Sample ID: LCS 480-570805/2

Matrix: Water

Analysis Batch: 570805

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	3310	3307		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-571039/1

Matrix: Water

Analysis Batch: 571039

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			03/02/21 11:53	1

Lab Sample ID: LCS 480-571039/2

Matrix: Water

Analysis Batch: 571039

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	503	500.0		mg/L		99	85 - 115

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-181490-1

GC/MS VOA

Analysis Batch: 570836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181490-2	EFFLEUNT G 022521	Total/NA	Water	8260C	
MB 480-570836/7	Method Blank	Total/NA	Water	8260C	
LCS 480-570836/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 570805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181490-1	EFFLUENT C 022521	Total/NA	Water	SM 2540D	
MB 480-570805/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-570805/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 571039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181490-1	EFFLUENT C 022521	Total/NA	Water	SM2540 C	
MB 480-571039/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-571039/2	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: 480-181490-1

Client Sample ID: EFFLUENT C 022521

Lab Sample ID: 480-181490-1

Date Collected: 02/25/21 07:20

Matrix: Water

Date Received: 02/26/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	570805	02/27/21 17:09	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	571039	03/02/21 11:53	CSS	TAL BUF

Client Sample ID: EFFLEUNT G 022521

Lab Sample ID: 480-181490-2

Date Collected: 02/25/21 07:20

Matrix: Water

Date Received: 02/26/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	570836	03/01/21 01:49	WJD	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: 480-181490-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

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

Method Summary

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

Job ID: 480-181490-1

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: 480-181490-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-181490-1	EFFLUENT C 022521	Water	02/25/21 07:20	02/26/21 10:30	
480-181490-2	EFFLEUNT G 022521	Water	02/25/21 07:20	02/26/21 10:30	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody Record

#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		Lab PM: Giacomazza, Joe V E-Mail: joe.giacomazza@testamericainc.com State of Origin:		COC No.: 480-145311-10587.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 12000090 WO #:		Analysis Requested 2540D - Total Suspended Solids 2540C - Total Dissolved Solids 8260C - 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:	
Sample Identification Sample: <i>MAR Tin Kerosene</i> Phone: <i>315-729-1300</i> PWSID:		Sample Date 2-25-21 7:20 2-25-21 7:20 AP 2/25/21		Sample Type (C=comp, G=grab) C W W	
Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air) Water Water Water		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 2540D - Total Suspended Solids 2540C - Total Dissolved Solids 8260C - Volatile Organic Compounds		Special Instructions/Note:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements:	
Empty Kit Relinquished by: <i>Marta Hernandez</i> Date/Time: 2-25-21 10:40 Company: <i>ABG</i>		Relinquished by: <i>Yuri Veliz</i> Date/Time: 2/25/21 10:00 Company: <i>ES-SYN</i>		Method of Shipment: Date/Time: 2/25/21 10:40 Company: <i>ES-SYN</i>	
Relinquished by: <i>Yuri Veliz</i> Date/Time: 2/25/21 10:00 Company: <i>ES-SYN</i>		Relinquished by: <i>Yuri Veliz</i> Date/Time: 2/26/21 10:30 Company: <i>TAD</i>		Relinquished by: Date/Time: 2/26/21 10:30 Company: <i>TAD</i>	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 3.4 #1		Cooler Temperature(s) °C and Other Remarks:	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-181490-1

Login Number: 181490

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

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

ANALYTICAL REPORT

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

Laboratory Job ID: 480-181566-1

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:

3/8/2021 8:33:29 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

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: 480-181566-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	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: 480-181566-1

Job ID: 480-181566-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

**Job Narrative
480-181566-1**

Comments

No additional comments.

Receipt

The samples were received on 3/2/2021 9:45 AM. Unless otherwise noted below, 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

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT 030121 (480-181566-5), (480-181566-A-5 MS) and (480-181566-A-5 MSD). Elevated reporting limits (RLs) are provided.

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

Metals

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

General Chemistry

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

Detection Summary

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

Job ID: 480-181566-1

Client Sample ID: EFFLUENT -030121

Lab Sample ID: 480-181566-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0037	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	731		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 030121

Lab Sample ID: 480-181566-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.4		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	64		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: INFLUENT 030121

Lab Sample ID: 480-181566-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0066	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: EFFLUENT 030121

Lab Sample ID: 480-181566-4

No Detections.

Client Sample ID: INFLUENT 030121

Lab Sample ID: 480-181566-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	340	F1	8.0	3.7	ug/L	8		8260C	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: 480-181566-1

Client Sample ID: EFFLUENT -030121

Lab Sample ID: 480-181566-1

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0037	J	0.010	0.0015	mg/L		03/04/21 09:20	03/04/21 20:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/04/21 13:34	03/04/21 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	731		10.0	4.0	mg/L			03/02/21 11:56	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/03/21 11:58	1

Client Sample ID: BETWEEN CARBONS 030121

Lab Sample ID: 480-181566-2

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

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			03/03/21 15:35	1
cis-1,2-Dichloroethene	7.4		1.0	0.81	ug/L			03/03/21 15:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/21 15:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/21 15:35	1
Toluene	ND		1.0	0.51	ug/L			03/03/21 15:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/21 15:35	1
Trichloroethene	64		1.0	0.46	ug/L			03/03/21 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		03/03/21 15:35	1
4-Bromofluorobenzene (Surr)	97		73 - 120		03/03/21 15:35	1
Toluene-d8 (Surr)	92		80 - 120		03/03/21 15:35	1
Dibromofluoromethane (Surr)	102		75 - 123		03/03/21 15:35	1

Client Sample ID: INFLUENT 030121

Lab Sample ID: 480-181566-3

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0066	J	0.010	0.0015	mg/L		03/04/21 09:20	03/04/21 20:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/04/21 13:34	03/04/21 16:38	1

Client Sample ID: EFFLUENT 030121

Lab Sample ID: 480-181566-4

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

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			03/03/21 15:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/21 15:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-181566-1

Client Sample ID: EFFLUENT 030121

Lab Sample ID: 480-181566-4

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/21 15:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/21 15:59	1
Toluene	ND		1.0	0.51	ug/L			03/03/21 15:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/21 15:59	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/21 15:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		03/03/21 15:59	1
4-Bromofluorobenzene (Surr)	96		73 - 120		03/03/21 15:59	1
Toluene-d8 (Surr)	93		80 - 120		03/03/21 15:59	1
Dibromofluoromethane (Surr)	105		75 - 123		03/03/21 15:59	1

Client Sample ID: INFLUENT 030121

Lab Sample ID: 480-181566-5

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

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			03/03/21 14:37	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			03/03/21 14:37	8
Methylene Chloride	ND		8.0	3.5	ug/L			03/03/21 14:37	8
Tetrachloroethene	ND		8.0	2.9	ug/L			03/03/21 14:37	8
Toluene	ND		8.0	4.1	ug/L			03/03/21 14:37	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			03/03/21 14:37	8
Trichloroethene	340	F1	8.0	3.7	ug/L			03/03/21 14:37	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		03/03/21 14:37	8
4-Bromofluorobenzene (Surr)	105		73 - 120		03/03/21 14:37	8
Toluene-d8 (Surr)	98		80 - 120		03/03/21 14:37	8
Dibromofluoromethane (Surr)	106		75 - 123		03/03/21 14:37	8

Surrogate Summary

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

Job ID: 480-181566-1

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)
480-181566-2	BETWEEN CARBONS 030121	106	97	92	102
480-181566-4	EFFLUENT 030121	105	96	93	105
480-181566-5	INFLUENT 030121	103	105	98	106
480-181566-5 MS	INFLUENT 030121	104	110	99	107
480-181566-5 MSD	INFLUENT 030121	110	112	101	109
LCS 480-571101/5	Lab Control Sample	99	102	93	104
LCS 480-571144/5	Lab Control Sample	105	99	98	106
MB 480-571101/7	Method Blank	98	101	93	98
MB 480-571144/7	Method Blank	103	100	93	99

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: 480-181566-1

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

Lab Sample ID: MB 480-571101/7

Matrix: Water

Analysis Batch: 571101

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			03/03/21 09:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/21 09:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/21 09:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/21 09:38	1
Toluene	ND		1.0	0.51	ug/L			03/03/21 09:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/21 09:38	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/21 09:38	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		03/03/21 09:38	1
4-Bromofluorobenzene (Surr)	101		73 - 120		03/03/21 09:38	1
Toluene-d8 (Surr)	93		80 - 120		03/03/21 09:38	1
Dibromofluoromethane (Surr)	98		75 - 123		03/03/21 09:38	1

Lab Sample ID: LCS 480-571101/5

Matrix: Water

Analysis Batch: 571101

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	23.0		ug/L		92	76 - 120
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124
Tetrachloroethene	25.0	25.6		ug/L		102	74 - 122
Toluene	25.0	22.5		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
Trichloroethene	25.0	26.2		ug/L		105	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	99		77 - 120
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: 480-181566-5 MS

Matrix: Water

Analysis Batch: 571101

Client Sample ID: INFLUENT 030121

Prep Type: Total/NA

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
1,1,2,2-Tetrachloroethane	ND		200	173		ug/L		86	76 - 120
cis-1,2-Dichloroethene	ND		200	175		ug/L		88	74 - 124
Methylene Chloride	ND		200	163		ug/L		82	75 - 124
Tetrachloroethene	ND		200	196		ug/L		98	74 - 122
Toluene	ND		200	167		ug/L		83	80 - 122
trans-1,2-Dichloroethene	ND		200	178		ug/L		89	73 - 127
Trichloroethene	340	F1	200	469	F1	ug/L		67	74 - 123

QC Sample Results

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

Job ID: 480-181566-1

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

Lab Sample ID: 480-181566-5 MS

Matrix: Water

Analysis Batch: 571101

Client Sample ID: INFLUENT 030121

Prep Type: Total/NA

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	107		75 - 123

Lab Sample ID: 480-181566-5 MSD

Matrix: Water

Analysis Batch: 571101

Client Sample ID: INFLUENT 030121

Prep Type: Total/NA

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
1,1,2,2-Tetrachloroethane	ND		200	171		ug/L		85	76 - 120	1	15
cis-1,2-Dichloroethene	ND		200	179		ug/L		89	74 - 124	2	15
Methylene Chloride	ND		200	169		ug/L		84	75 - 124	3	15
Tetrachloroethene	ND		200	197		ug/L		99	74 - 122	0	20
Toluene	ND		200	170		ug/L		85	80 - 122	2	15
trans-1,2-Dichloroethene	ND		200	184		ug/L		92	73 - 127	3	20
Trichloroethene	340	F1	200	487		ug/L		76	74 - 123	4	16

<i>Surrogate</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
1,2-Dichloroethane-d4 (Surr)	110		77 - 120
4-Bromofluorobenzene (Surr)	112		73 - 120
Toluene-d8 (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	109		75 - 123

Lab Sample ID: MB 480-571144/7

Matrix: Water

Analysis Batch: 571144

Client Sample ID: Method Blank

Prep Type: Total/NA

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/21 12:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/21 12:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/21 12:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/21 12:59	1
Toluene	ND		1.0	0.51	ug/L			03/03/21 12:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/21 12:59	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/21 12:59	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>MB MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		03/03/21 12:59	1
4-Bromofluorobenzene (Surr)	100		73 - 120		03/03/21 12:59	1
Toluene-d8 (Surr)	93		80 - 120		03/03/21 12:59	1
Dibromofluoromethane (Surr)	99		75 - 123		03/03/21 12:59	1

QC Sample Results

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

Job ID: 480-181566-1

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

Lab Sample ID: LCS 480-571144/5

Matrix: Water

Analysis Batch: 571144

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	25.0	24.5		ug/L		98	76 - 120
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
Methylene Chloride	25.0	22.7		ug/L		91	75 - 124
Tetrachloroethene	25.0	26.1		ug/L		105	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		102	73 - 127
Trichloroethene	25.0	25.8		ug/L		103	74 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	106		75 - 123

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-571206/1-A

Matrix: Water

Analysis Batch: 571501

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 571206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		03/04/21 09:20	03/04/21 18:58	1

Lab Sample ID: LCS 480-571206/2-A

Matrix: Water

Analysis Batch: 571501

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 571206

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.205		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-571352/1-A

Matrix: Water

Analysis Batch: 571416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 571352

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/04/21 13:34	03/04/21 16:26	1

Lab Sample ID: LCS 480-571352/2-A

Matrix: Water

Analysis Batch: 571416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 571352

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

QC Sample Results

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

Job ID: 480-181566-1

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

Lab Sample ID: MB 480-571043/1
 Matrix: Water
 Analysis Batch: 571043

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			03/03/21 11:58	1

Lab Sample ID: LCS 480-571043/2
 Matrix: Water
 Analysis Batch: 571043

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	3130	3119		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-571042/1
 Matrix: Water
 Analysis Batch: 571042

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			03/02/21 11:56	1

Lab Sample ID: LCS 480-571042/2
 Matrix: Water
 Analysis Batch: 571042

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	503	503.0		mg/L		100	85 - 115

QC Association Summary

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

Job ID: 480-181566-1

GC/MS VOA

Analysis Batch: 571101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181566-5	INFLUENT 030121	Total/NA	Water	8260C	
MB 480-571101/7	Method Blank	Total/NA	Water	8260C	
LCS 480-571101/5	Lab Control Sample	Total/NA	Water	8260C	
480-181566-5 MS	INFLUENT 030121	Total/NA	Water	8260C	
480-181566-5 MSD	INFLUENT 030121	Total/NA	Water	8260C	

Analysis Batch: 571144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181566-2	BETWEEN CARBONS 030121	Total/NA	Water	8260C	
480-181566-4	EFFLUENT 030121	Total/NA	Water	8260C	
MB 480-571144/7	Method Blank	Total/NA	Water	8260C	
LCS 480-571144/5	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 571206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181566-1	EFFLUENT -030121	Total/NA	Water	3005A	
480-181566-3	INFLUENT 030121	Total/NA	Water	3005A	
MB 480-571206/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-571206/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 571352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181566-1	EFFLUENT -030121	Total/NA	Water	7470A	
480-181566-3	INFLUENT 030121	Total/NA	Water	7470A	
MB 480-571352/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-571352/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 571416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181566-1	EFFLUENT -030121	Total/NA	Water	7470A	571352
480-181566-3	INFLUENT 030121	Total/NA	Water	7470A	571352
MB 480-571352/1-A	Method Blank	Total/NA	Water	7470A	571352
LCS 480-571352/2-A	Lab Control Sample	Total/NA	Water	7470A	571352

Analysis Batch: 571501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181566-1	EFFLUENT -030121	Total/NA	Water	6010C	571206
480-181566-3	INFLUENT 030121	Total/NA	Water	6010C	571206
MB 480-571206/1-A	Method Blank	Total/NA	Water	6010C	571206
LCS 480-571206/2-A	Lab Control Sample	Total/NA	Water	6010C	571206

General Chemistry

Analysis Batch: 571042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181566-1	EFFLUENT -030121	Total/NA	Water	SM2540 C	
MB 480-571042/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-571042/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-181566-1

General Chemistry

Analysis Batch: 571043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181566-1	EFFLUENT -030121	Total/NA	Water	SM 2540D	
MB 480-571043/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-571043/2	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: 480-181566-1

Client Sample ID: EFFLUENT -030121

Lab Sample ID: 480-181566-1

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			571206	03/04/21 09:20	KMP	TAL BUF
Total/NA	Analysis	6010C		1	571501	03/04/21 20:00	LMH	TAL BUF
Total/NA	Prep	7470A			571352	03/04/21 13:34	BMB	TAL BUF
Total/NA	Analysis	7470A		1	571416	03/04/21 16:37	BMB	TAL BUF
Total/NA	Analysis	SM 2540D		1	571043	03/03/21 11:58	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	571042	03/02/21 11:56	CSS	TAL BUF

Client Sample ID: BETWEEN CARBONS 030121

Lab Sample ID: 480-181566-2

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	571144	03/03/21 15:35	CRL	TAL BUF

Client Sample ID: INFLUENT 030121

Lab Sample ID: 480-181566-3

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			571206	03/04/21 09:20	KMP	TAL BUF
Total/NA	Analysis	6010C		1	571501	03/04/21 20:04	LMH	TAL BUF
Total/NA	Prep	7470A			571352	03/04/21 13:34	BMB	TAL BUF
Total/NA	Analysis	7470A		1	571416	03/04/21 16:38	BMB	TAL BUF

Client Sample ID: EFFLUENT 030121

Lab Sample ID: 480-181566-4

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	571144	03/03/21 15:59	CRL	TAL BUF

Client Sample ID: INFLUENT 030121

Lab Sample ID: 480-181566-5

Date Collected: 03/01/21 07:20

Matrix: Water

Date Received: 03/02/21 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	571101	03/03/21 14:37	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: 480-181566-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

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- 2
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- 10
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- 12
- 13
- 14
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Method Summary

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

Job ID: 480-181566-1

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: 480-181566-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-181566-1	EFFLUENT -030121	Water	03/01/21 07:20	03/02/21 09:45	
480-181566-2	BETWEEN CARBONS 030121	Water	03/01/21 07:20	03/02/21 09:45	
480-181566-3	INFLUENT 030121	Water	03/01/21 07:20	03/02/21 09:45	
480-181566-4	EFFLUENT 030121	Water	03/01/21 07:20	03/02/21 09:45	
480-181566-5	INFLUENT 030121	Water	03/01/21 07:20	03/02/21 09:45	

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Chain of Custody Record

Client Information		Lab PM: Giacomazza, Joe V		Camera/Job # C No: Syracuse 0-145286-10589.1	
Client Contact: Mr. Yuri Veliz		E-Mail: joe.giacomazza@testamericainc.com		Page: 1 of 1	
Company: O'Brien & Gere Inc of North America		State of Origin: #225		Job #:	
Address: 333 West Washington St. PO BOX 4873		Due Date Requested:		Preservation:	
City: East Syracuse		TAT Requested (days):		U - Acetone	
State, Zip: NY, 13221		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		V - MCAA	
Phone: 315-956-6100 (Tel) 315-463-7554 (Fax)		PO #: 12000090		W - pH 4.5	
Email: yuri.veliz@ramboll.com		WO #:		Z - other (specify)	
Project Name: Former Accurate Die Cast		Project #: 48008584		Other:	
Site: New York		SSOW#:		Total Number of Containers: 4	
Sample Identification		Sample Date		Sample Time	
Effluent 030121		3-1-21		7:20	
Between Carbons 030121		3-1-21		7:20	
Influent 030121		3-1-21		7:20	
Effluent 030121		3-1-21		7:20	
Influent 030121		3-1-21		7:20	
RE 3-1-21					
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable	
Deliverable Requested: I, II, III, IV, Other (specify)		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B	
Empty Kit Relinquished by:		<input type="checkbox"/> Unknown		<input type="checkbox"/> Radiological	
Relinquished by: Yuri Veliz		Date/Time: 3-1-21 8:30		Company: OBG	
Relinquished by: R. E. Koenig		Date/Time: 3-1-21 19:00		Company: Syn	
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: #1 2.8	



U - Acetone
 V - MCAA
 W - pH 4.5
 Z - 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:
 Received by: **R. E. Koenig** Date/Time: **3-1-21 08:30** Company: **Syn**
 Received by: **C. W. Walker** Date/Time: **3/9/21 0945** Company: **TAB**



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-181566-1

Login Number: 181566

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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

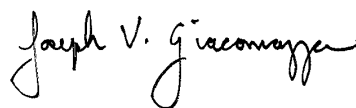
Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-181812-1
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:
3/16/2021 2:45:54 PM

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

LINKS

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

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



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Definitions/Glossary

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

Job ID: 480-181812-1

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: 480-181812-1

Job ID: 480-181812-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-181812-1

Comments

No additional comments.

Receipt

The sample was received on 3/9/2021 10:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3° C.

General Chemistry

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

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- 2
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Detection Summary

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

Job ID: 480-181812-1

Client Sample ID: EFFLUENT 030821

Lab Sample ID: 480-181812-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	775		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: 480-181812-1

Client Sample ID: EFFLUENT 030821

Lab Sample ID: 480-181812-1

Date Collected: 03/08/21 07:00

Matrix: Water

Date Received: 03/09/21 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	775		10.0	4.0	mg/L			03/10/21 12:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/10/21 13:20	1

- 1
- 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: 480-181812-1

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

Lab Sample ID: MB 480-572000/1
 Matrix: Water
 Analysis Batch: 572000

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			03/10/21 13:20	1

Lab Sample ID: LCS 480-572000/2
 Matrix: Water
 Analysis Batch: 572000

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	2980	2980		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-571996/1
 Matrix: Water
 Analysis Batch: 571996

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			03/10/21 12:30	1

Lab Sample ID: LCS 480-571996/2
 Matrix: Water
 Analysis Batch: 571996

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	506	501.0		mg/L		99	85 - 115

QC Association Summary

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

Job ID: 480-181812-1

General Chemistry

Analysis Batch: 571996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181812-1	EFFLUENT 030821	Total/NA	Water	SM2540 C	
MB 480-571996/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-571996/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 572000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181812-1	EFFLUENT 030821	Total/NA	Water	SM 2540D	
MB 480-572000/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-572000/2	Lab Control Sample	Total/NA	Water	SM 2540D	

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- 2
- 3
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- 5
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- 9
- 10
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- 12
- 13
- 14

Lab Chronicle

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

Job ID: 480-181812-1

Client Sample ID: EFFLUENT 030821

Lab Sample ID: 480-181812-1

Date Collected: 03/08/21 07:00

Matrix: Water

Date Received: 03/09/21 10:00

<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	572000	03/10/21 13:20	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	571996	03/10/21 12:30	CSS	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: 480-181812-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

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

Method Summary

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

Job ID: 480-181812-1

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: 480-181812-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-181812-1	EFFLUENT 030821	Water	03/08/21 07:00	03/09/21 10:00	

- 1
- 2
- 3
- 4
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Chain of Custody Record

Client Information		Lab P#:		Syracuse	
Mr. Yuri Veliz		Giacomazza, Joe V		COC No: 480-145340-10586.1	
Company: O'Brien & Gere Inc of North America		E-Mail: Joe.giacomazza@testamericainc.com		Page: Page 1 of 1	
Address: 333 West Washington St. PO BOX 4873		City: East Syracuse		Job #:	
Slate, Zip: NY, 13221		Compliance Project: Δ Yes Δ No		Preservation Codes:	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		PO #: 12000090		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Email: yuri.veliz@ramboll.com		WO #: 12000090		 480-181812 Chain of Custody	
Project #: 48006584		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> X			
Site: New York		Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> X			
		2540C_Calcd - Total Dissolved Solids <input checked="" type="checkbox"/> N			
Sample Identification		Sample Date		Sample Time	
Effluent 030821		3-8-21		7:00	
		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	
		C		Water	
		Sample Time		Preservation Code:	
		AV			
		Date		Date	
		3/6/21			
Possible Hazard Identification		Date		Time	
<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		3-8-21		9:35	
Deliverable Requested: I, II, III, IV, Other (specify)		Date/Time		Company	
		3-8-21, 1900		PBG	
Empty Kit Relinquished by:		Date/Time		Company	
Relinquished by: Mark Kuehnel		3-8-21, 1900		SK	
Relinquished by: RE 219116					
Custody Seals Intact: Δ Yes Δ No		Date/Time		Company	
		3/9/01		TAS	
Custody Seal No: # 3.3		Date/Time		Company	
Cooler Temperature(s) °C and Other Remarks		Date/Time		Company	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-181812-1

Login Number: 181812

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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: 480-182181-1
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:
3/29/2021 12:00:00 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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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: 480-182181-1

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: 480-182181-1

Job ID: 480-182181-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

**Job Narrative
480-182181-1**

Comments

No additional comments.

Receipt

The samples were received on 3/18/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

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

General Chemistry

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

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Detection Summary

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

Job ID: 480-182181-1

Client Sample ID: EFFLUENT 031721

Lab Sample ID: 480-182181-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	834		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 031721

Lab Sample ID: 480-182181-2

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: 480-182181-1

Client Sample ID: EFFLUENT 031721

Lab Sample ID: 480-182181-1

Date Collected: 03/17/21 07:15

Matrix: Water

Date Received: 03/18/21 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	834		10.0	4.0	mg/L			03/23/21 15:58	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/23/21 16:02	1

Client Sample ID: EFFLUENT 031721

Lab Sample ID: 480-182181-2

Date Collected: 03/17/21 07:15

Matrix: Water

Date Received: 03/18/21 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			03/19/21 13:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/21 13:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/21 13:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/21 13:51	1
Toluene	ND		1.0	0.51	ug/L			03/19/21 13:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/21 13:51	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/21 13:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120					03/19/21 13:51	1
4-Bromofluorobenzene (Surr)	98		73 - 120					03/19/21 13:51	1
Toluene-d8 (Surr)	97		80 - 120					03/19/21 13:51	1
Dibromofluoromethane (Surr)	106		75 - 123					03/19/21 13:51	1

Surrogate Summary

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

Job ID: 480-182181-1

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)
480-182181-2	EFFLUENT 031721	105	98	97	106
LCS 480-573096/5	Lab Control Sample	105	99	99	100
LCSD 480-573096/6	Lab Control Sample Dup	101	101	97	99
MB 480-573096/8	Method Blank	100	99	98	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: 480-182181-1

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

Lab Sample ID: MB 480-573096/8

Matrix: Water

Analysis Batch: 573096

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			03/19/21 12:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/21 12:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/21 12:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/21 12:08	1
Toluene	ND		1.0	0.51	ug/L			03/19/21 12:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/21 12:08	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/21 12:08	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		03/19/21 12:08	1
4-Bromofluorobenzene (Surr)	99		73 - 120		03/19/21 12:08	1
Toluene-d8 (Surr)	98		80 - 120		03/19/21 12:08	1
Dibromofluoromethane (Surr)	101		75 - 123		03/19/21 12:08	1

Lab Sample ID: LCS 480-573096/5

Matrix: Water

Analysis Batch: 573096

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	25.1		ug/L		100	76 - 120
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	74 - 124
Methylene Chloride	25.0	25.0		ug/L		100	75 - 124
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	25.5		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	73 - 127
Trichloroethene	25.0	26.0		ug/L		104	74 - 123

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: LCSD 480-573096/6

Matrix: Water

Analysis Batch: 573096

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
		Result	Qualifier						
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120	1	15
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	74 - 124	4	15
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124	3	15
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122	1	20
Toluene	25.0	24.6		ug/L		99	80 - 122	3	15
trans-1,2-Dichloroethene	25.0	26.1		ug/L		105	73 - 127	4	20
Trichloroethene	25.0	25.2		ug/L		101	74 - 123	3	16

QC Sample Results

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

Job ID: 480-182181-1

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

Lab Sample ID: LCSD 480-573096/6
 Matrix: Water
 Analysis Batch: 573096

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

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	99		75 - 123

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

Lab Sample ID: MB 480-573494/1
 Matrix: Water
 Analysis Batch: 573494

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			03/23/21 16:02	1

Lab Sample ID: LCS 480-573494/2
 Matrix: Water
 Analysis Batch: 573494

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

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-573491/1
 Matrix: Water
 Analysis Batch: 573491

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/23/21 15:58	1

Lab Sample ID: LCS 480-573491/2
 Matrix: Water
 Analysis Batch: 573491

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

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

QC Association Summary

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

Job ID: 480-182181-1

GC/MS VOA

Analysis Batch: 573096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182181-2	EFFLUENT 031721	Total/NA	Water	8260C	
MB 480-573096/8	Method Blank	Total/NA	Water	8260C	
LCS 480-573096/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-573096/6	Lab Control Sample Dup	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 573491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182181-1	EFFLUENT 031721	Total/NA	Water	SM2540 C	
MB 480-573491/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-573491/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 573494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182181-1	EFFLUENT 031721	Total/NA	Water	SM 2540D	
MB 480-573494/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-573494/2	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: 480-182181-1

Client Sample ID: EFFLUENT 031721

Lab Sample ID: 480-182181-1

Date Collected: 03/17/21 07:15

Matrix: Water

Date Received: 03/18/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	573494	03/23/21 16:02	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	573491	03/23/21 15:58	CSS	TAL BUF

Client Sample ID: EFFLUENT 031721

Lab Sample ID: 480-182181-2

Date Collected: 03/17/21 07:15

Matrix: Water

Date Received: 03/18/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	573096	03/19/21 13:51	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: 480-182181-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

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

Method Summary

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

Job ID: 480-182181-1

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: 480-182181-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-182181-1	EFFLUENT 031721	Water	03/17/21 07:15	03/18/21 08:00	
480-182181-2	EFFLUENT 031721	Water	03/17/21 07:15	03/18/21 08:00	

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Client Information			Sampler: <i>Martin Koehnke</i>			Lab PM: <i>Giacomazza, Joe V</i>			COC No: 480-145312-10587.1					
Client Contact: <i>Mr. Yuri Veliz</i>			Phone: <i>315-729-1300</i>			E-Mail: <i>joe.giacomazza@testamericainc.com</i>			Page: 1 of 1					
Company: <i>O'Brien & Gere Inc of North America</i>			Address: <i>333 West Washington St. PO BOX 4873</i>			City: <i>East Syracuse</i>			State of Origin:					
State, Zip: <i>NY, 13221</i>			Compliance Project: <i>Δ Yes Δ No</i>			PO #: <i>12000090</i>			Job #:					
Phone: <i>315-956-6100(Tel) 315-463-7554(Fax)</i>			TAT Requested (days):			WO #: <i>48008584</i>			Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2OAS E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - Di Water K - EDTA L - EDA Other:					
Email: <i>yuri.veliz@ramboil.com</i>			Project #: <i>48008584</i>			SSOW#: <i>48008584</i>			Analysis Requested: 2540D - Total Suspended Solids 2540C - Total Dissolved Solids 8260C - Volatile Organic Compounds Total Number of containers: <i>2</i>					
Site: <i>New York</i>			Sample Date: <i>3-17-21</i>			Sample Time: <i>7:15</i>			Sample Type: <i>C</i>			Matrix: <i>Water</i>		
Sample Identification: <i>Effluent 031721</i>			Sample Date: <i>3-17-21</i>			Sample Time: <i>7:15</i>			Sample Type: <i>G</i>			Matrix: <i>W</i>		
<i>AP</i>			<i>31721</i>			<i>AP</i>			<i>31721</i>			<i>AP</i>		
Possible Hazard Identification														
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> 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: <i>Martin Koehnke</i> Date/Time: <i>3-17-21 / 10:50</i> Company: <i>OBG</i>														
Relinquished by: <i>Martin Koehnke</i> Date/Time: <i>3/17/21</i> Company: <i>ES-SVA</i>														
Relinquished by: <i>Martin Koehnke</i> Date/Time: <i>3/18/21</i> Company: <i>ES-SVA</i>														
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: <i>2.4 #1</i>														



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-182181-1

Login Number: 182181

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	2.4 #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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



ANALYTICAL REPORT

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

Laboratory Job ID: 480-182574-1

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:

4/8/2021 9:59:55 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

LINKS

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results through
TotalAccess

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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: 480-182574-1

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: 480-182574-1

Job ID: 480-182574-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-182574-1

Comments

No additional comments.

Receipt

The sample was received on 3/27/2021 8:00 AM. Unless otherwise noted below, 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: 480-182574-1

Client Sample ID: EFFLUENT 032621

Lab Sample ID: 480-182574-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	842		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

- 1
- 2
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- 10
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- 12
- 13
- 14

Client Sample Results

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

Job ID: 480-182574-1

Client Sample ID: EFFLUENT 032621

Lab Sample ID: 480-182574-1

Date Collected: 03/26/21 07:00

Matrix: Water

Date Received: 03/27/21 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	842		10.0	4.0	mg/L			04/01/21 16:06	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/01/21 16:10	1

- 1
- 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: 480-182574-1

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

Lab Sample ID: MB 480-574767/1
 Matrix: Water
 Analysis Batch: 574767

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/01/21 16:10	1

Lab Sample ID: LCS 480-574767/2
 Matrix: Water
 Analysis Batch: 574767

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	2230	2224		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-574764/1
 Matrix: Water
 Analysis Batch: 574764

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/01/21 16:06	1

Lab Sample ID: LCS 480-574764/2
 Matrix: Water
 Analysis Batch: 574764

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	506	504.0		mg/L		100	85 - 115

QC Association Summary

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

Job ID: 480-182574-1

General Chemistry

Analysis Batch: 574764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182574-1	EFFLUENT 032621	Total/NA	Water	SM2540 C	
MB 480-574764/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-574764/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 574767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182574-1	EFFLUENT 032621	Total/NA	Water	SM 2540D	
MB 480-574767/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-574767/2	Lab Control Sample	Total/NA	Water	SM 2540D	

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

Lab Chronicle

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

Job ID: 480-182574-1

Client Sample ID: EFFLUENT 032621

Lab Sample ID: 480-182574-1

Date Collected: 03/26/21 07:00

Matrix: Water

Date Received: 03/27/21 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	574767	04/01/21 16:10	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	574764	04/01/21 16:06	CSS	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: 480-182574-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

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

Method Summary

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

Job ID: 480-182574-1

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: 480-182574-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-182574-1	EFFLUENT 032621	Water	03/26/21 07:00	03/27/21 08:00	

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

Chain of Custody Record

Syracuse #225



Client Information		Sampler: <i>MARTIN KOENNECKE</i>	Lab PW: <i>Joe V</i>	Carrier Tracking No(s): 480-145337-10586.1	COC No: 480-145337-10586.1
Client Contact: Mr. Yuri Veliz		Phone: <i>315-729-1300</i>	E-Mail: <i>joegiacomazza@testamericainc.com</i>	State of Origin:	Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America		PWSID:	Job #: _____		
Address: 333 West Washington St. PO BOX 4873		Analysis Requested			
City: East Syracuse		Due Date Requested: _____			
State/Zip: NY, 13221		TAT Requested (days): _____			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Email: <i>yuri.veliz@ramboll.com</i>		PO #: 12000090			
Project Name: Former Accurate Die Cast		WO #: _____			
Site: New York		Project #: 48008584			
SSON#: _____		SSON#: _____			
Sample Identification		Analysis Requested			
Sample ID: <i>032621</i>	Sample Date: <i>3-26-21</i>	Sample Time: <i>17:00</i>	Sample Type: <i>C</i>	Matrix: <i>Water</i>	Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Effluent					Perform MS/MSD (Yes or No): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
					2540D - Total Suspended Solids: <i>11</i>
					2540C - Calcd - Total Dissolved Solids: <i>11</i>
					Special Instructions/Note: _____
					Total Number of _____
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<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		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements: _____			
Empty Kit Relinquished by:		Method of Shipment:			
Relinquished by: <i>Mark Koencke</i>		Date: _____			
Relinquished by: <i>joegiacomazza</i>		Date/Time: <i>3-26-21 9:50</i>			
Relinquished by: _____		Date/Time: <i>3/26/21 19:00</i>			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <i>H 2.8</i>			



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-182574-1

Login Number: 182574

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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: 480-182629-1
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:
4/8/2021 10:45:01 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

LINKS

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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: 480-182629-1

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: 480-182629-1

Job ID: 480-182629-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

**Job Narrative
480-182629-1**

Comments

No additional comments.

Receipt

The sample was received on 3/30/2021 10:45 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

General Chemistry

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

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Detection Summary

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

Job ID: 480-182629-1

Client Sample ID: EFFLUENT 032921

Lab Sample ID: 480-182629-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	813		10.0	4.0	mg/L	1		SM2540 C	Total/NA

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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: 480-182629-1

Client Sample ID: EFFLUENT 032921

Lab Sample ID: 480-182629-1

Date Collected: 03/29/21 07:15

Matrix: Water

Date Received: 03/30/21 10:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	813		10.0	4.0	mg/L			04/01/21 16:08	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/01/21 16:10	1

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QC Sample Results

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

Job ID: 480-182629-1

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

Lab Sample ID: MB 480-574767/1
 Matrix: Water
 Analysis Batch: 574767

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/01/21 16:10	1

Lab Sample ID: LCS 480-574767/2
 Matrix: Water
 Analysis Batch: 574767

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	2230	2224		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-574765/1
 Matrix: Water
 Analysis Batch: 574765

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/01/21 16:08	1

Lab Sample ID: LCS 480-574765/2
 Matrix: Water
 Analysis Batch: 574765

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	506	503.0		mg/L		99	85 - 115

QC Association Summary

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

Job ID: 480-182629-1

General Chemistry

Analysis Batch: 574765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182629-1	EFFLUENT 032921	Total/NA	Water	SM2540 C	
MB 480-574765/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-574765/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 574767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-182629-1	EFFLUENT 032921	Total/NA	Water	SM 2540D	
MB 480-574767/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-574767/2	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: 480-182629-1

Client Sample ID: EFFLUENT 032921

Lab Sample ID: 480-182629-1

Date Collected: 03/29/21 07:15

Matrix: Water

Date Received: 03/30/21 10:45

<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	574767	04/01/21 16:10	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	574765	04/01/21 16:08	CSS	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: 480-182629-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM2540 C		Water	Total Dissolved Solids

- 1
- 2
- 3
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- 5
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- 7
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- 13
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Method Summary

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

Job ID: 480-182629-1

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: 480-182629-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-182629-1	EFFLUENT 032921	Water	03/29/21 07:15	03/30/21 10:45	

- 1
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- 8
- 9
- 10
- 11
- 12
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- 14

Chain of Custody Record



Client Information		Lab PM: Giacomazza, Joe V	
Client Contact: Mr. Yuri Veliz		E-Mail: joe.giacomazza@testamericainc.com	
Company: O'Brien & Gere Inc of North America		State of Origin: Syracuse	
Address: 333 West Washington St. PO BOX 4873		Page: Page 1 of 1	
City: East Syracuse		Job #: #225	
State, Zip: NY, 13221		COC No: 480-120419-10586.1	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)		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 - Na2SO4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - PH 4-5 Z - other (specify)	
Email: yuri.veliz@ramboll.com		Analysis Requested	
Project Name: Former Accurate Die Cast		2540C - Calcd - Total Dissolved Solids	
Site: New York		2540D - Total Suspended Solids	
Due Date Requested:		Perform MS/MSD (Yes or No)	
TAT Requested (days):		Field Filtered Sample (Yes or No)	
Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Special Instructions/Note:	
PO #: 12000090		Total Number of Containers: 2	
WO #: 48005584		<div style="text-align: center;">  480-182629 Chain of Custody </div>	
Sample Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Effluent: 032921		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Sample Date: 3-29-21 7:15		Special Instructions/QC Requirements:	
Sample Time: 7:15		<input type="checkbox"/> Radiological <input type="checkbox"/> Unknown <input type="checkbox"/> Poison B <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Flammable <input type="checkbox"/> Other (specify)	
Sample Type (C=comp, G=grab): C		Empty Kit Relinquished by:	
Matrix (W=water, S=solid, O=waste, BT=tissue, A=air): Water		Relinquished by: Martin Koemle	
Date: 3-29-21		Date/Time: 3-29-21 10:00	
Time: 7:15		Date/Time: 3-29-21 19:00	
Relinquished by: Martin Koemle		Date/Time: 3-29-21 10:00	
Relinquished by: REIGHLIN		Date/Time: 3-29-21 10:00	
Relinquished by: REIGHLIN		Date/Time: 3-29-21 10:45	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 3.2°F	
Custody Seal No.:		Company: OBG	
		Company: REIGHLIN	
		Company: REIGHLIN	



Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-182629-1

Login Number: 182629

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

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