RAMBOLL

ENVIRONMENT
& HEALTH

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

Date January 15,2020

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

Dear Mr. Belveg:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site (Site No. 734052) in Fayetteville, New York for the fourth quarter of 2019 (October 1 through December 31, 2019). 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

T 315-956-6100
F 315-463-7554
https://ramboll.com

Operation Status and Activities Completed

As of December 31, 2019, a total of 121,275,132 gallons of groundwater have been treated since startup on February 5, 1996. From October 1 to December 31, 2019, 941,346 gallons of groundwater were treated: 191,290 gallons from recovery well RW-1; 749,865 gallons from recovery well RW-2; and 191 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 October, November, and December 2019 are summarized in **Table 1**. The effluent quality during the period complied with the SPDES discharge limits, except for total suspended solids (TSS), which on two occasions during the fourth quarter 2019 exceeded the daily maximum discharge limitation of 20 milligrams per liter (mg/L). On October 7, 2019 and November 12, 2019, TSS was detected at concentrations of 22 mg/L and 29.2 mg/L, respectively, which have been the only TSS exceedances in the monitoring record dating back to system startup in 1996. The laboratory analytical data sheets are provided as **Attachment A**.

On October 22, 2019, groundwater samples were collected and analyzed for volatile organic compounds from monitoring wells MW-5, MW-6, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-21, MW-22, MW-24, PZ-1, and PZ-2. The groundwater elevations are presented in **Table 2** and the analytical results are summarized in **Tables 3** and **4**. The laboratory analytical data sheets are provided as **Attachment B**.

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

D 315-956-6442
M 315-200-5204
doug.crawford@ramboll.com

cc: H. Warner – New York State Department of Environmental Conservation
E. O'Neil - New York State Department of Health
M. Schuck - New York State Department of Health
T. Slutzky – The Anderson Company
J. Stanek – ITT Corporation
L. Hall – 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	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	10/2/2019	10/4/2019	10/7/2019	10/10/2019	10/14/2019	10/18/2019	10/21/2019	10/28/2019	10/31/2019	11/1/2019	11/4/2019	11/8/2019	11/11/2019	11/12/2019
Flow (GPD)	Monitor	150000	Continuous	Meter	9277	9133	9052	9208	9390	9270	9493	67910	9831	10079	10382	10941	11030	11087
pH (SU)	6.5-8.5		2/Week	Grab	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.			22		4U		8.4	4U				4U		29.2
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.			1520		640 H		564	703				568		719
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.														
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.														
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U				1 U					1 U		
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U				1 U					1 U		
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab			1 U				1 U					1.1 B		
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab			1 U				1 U					1 U		
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U				1 U					1 U		
Toluene (ug/L)	Monitor	20	2/Month	Grab			1 U				1 U					1 U		
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab			1 U				1 U					1 U		

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

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

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	11/14/2019	11/18/2019	11/22/2019	11/25/2019	12/2/2019	12/4/2019	12/9/2019	12/11/2019	12/13/2019	12/16/2019	12/23/2019	12/26/2019	12/30/2019	1/2/020
Flow (GPD)	Monitor	150000	Continuous	Meter	10981	11005	10940	10814	10543	9420	10177	10265	10412	10808	11203	11380	11423	11695
pH (SU)	6.5-8.5		2/Week	Grab	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.7	7.8	7.8
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.		5U		4U		4	4U			4U	14.4		4U	
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.		686		796		603	914			653	893		579	
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.						<0.0002 U								
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.						0.002 J								
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		1 U				1 U				1 U				
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab		1 U				1 U				1 U				
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab		1 U				1 U				1 U				
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab		1 U				1 U				1 U				
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab		1 U				1 U				1 U				
Toluene (ug/L)	Monitor	20	2/Month	Grab		1 U				1 U				1 U				
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab		1 U				1 U				1 U				

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

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 5/28/1992	Groundwater Elevation (ft) 6/26/1992	Groundwater Elevation (ft) 8/7/1992	Groundwater Elevation (ft) 9/26/1994	Groundwater Elevation (ft) 9/27/1994	Groundwater Elevation (ft) 10/18/1994	Groundwater Elevation (ft) 11/2/1994	Groundwater Elevation (ft) 11/17/1994	Groundwater Elevation (ft) 11/30/1994	Groundwater Elevation (ft) 12/15/1994
MW-01	99.36	101.11	75.4 - 85.4	DRY	DRY	79.69	---	---	DRY	---	---	---	---
MW-02	91.8	94.68	76.6 - 86.6	83.21	82.81	84.32	83.1	83.28	80.12	---	---	---	---
MW-03	97.65	99.63	73.7 - 83.7	80.44	---	81.63	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	51.08	49.95	50.81	47.22	52.21	46.79	---	---	---	---
MW-05	88.21	90.42	49.2 - 59.2	60.71	63.76	61.22	59.87	59.91	59.45	---	---	---	---
MW-06	77.46	79.38	46.4 - 56.4	60.5	60.49	60.46	59.51	59.52	59.05	---	---	---	---
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.59	54.55	54.47	53.9	53.97	53.55	---	---	---	---
MW-08	88.21	91.78	53.9 - 63.9	66.38	66.38	66.83	61.59	61.65	60.99	---	---	---	---
MW-09	102.44	104.03	49.7 - 59.7	60.46	60.51	61.83	59.57	59.59	59.08	---	---	---	---
MW-10 (B)	97.51	97.27	43 - 53	61.15	61.99	61.69	---	---	56.02	55.07	55.19	54.94	55.19
MW-11 (B)	91.48	93.8	43.1 - 53.1	62.34	63.7	63.66	58.41	58.39	57.47	---	56.68	55.59	56.63
MW-12	93.62	94.14	51.9 - 61.9	62.24	60.74	62.77	59.77	59.79	59.31	---	---	---	---
MW-13	98.8	98.7	77.7 - 87.7	DRY	80.62	80.92	---	---	78.7	82.92	78.21	78.21	80.92
MW-14	98.76	100.62	74.6 - 84.6	75.11	79.07	81.54	---	---	86.18	80.12	80.54	80.54	80.2
MW-15 (B)	96.1	98.9	32.7 - 42.7	---	---	---	---	---	53.47	---	---	---	---
MW-16 (B)	98.5	100.85	50.8 - 60.8	---	---	---	---	---	61.67	---	---	---	---
MW-17	66.9	69.24	53.7 - 63.7	---	---	---	54.61	54.61	54.08	---	---	---	---
MW-18	76.5	78.29	61.5 - 71.5	---	---	---	---	---	---	---	---	---	---
MW-19	69.5	71.27	46.5 - 56.5	---	---	---	---	---	---	---	---	---	---
MW-20	70.98	73.34	51.9 - 61.9	---	---	---	---	---	---	---	---	---	---
MW-21	69.9	71.87	59.5 - 64.5	---	---	---	---	---	---	---	---	---	---
MW-22	71.5	73.34	60.9 - 65.9	---	---	---	---	---	---	---	---	---	---
MW-23 (B)	89.8	91.72	17.3 - 22.3	---	---	---	---	---	---	---	---	---	---
MW-24*			-	---	---	---	---	---	---	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	---	---	---	59.56	59.57	59.1	---	---	---	---
PZ-02	80.6	83.06	42.8 - 52.8	---	---	---	59.35	59.36	58.89	---	---	---	---
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	---	---	---	56.88	56.89	58.22	---	---	---	---
RW-02 (B)	91.58	95.18	-	---	---	---	---	---	---	---	---	---	---
SUMP		97.93	-	---	---	---	---	---	---	76.04	74.83	75	75.17

Notes:
NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock groundwater monitoring well,
* - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler).
MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
System start-up 02/06/96; MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

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Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 12/27/1994	Groundwater Elevation (ft) 1/13/1995	Groundwater Elevation (ft) 1/25/1995	Groundwater Elevation (ft) 2/9/1995	Groundwater Elevation (ft) 2/23/1995	Groundwater Elevation (ft) 3/9/1995	Groundwater Elevation (ft) 4/26/1995	Groundwater Elevation (ft) 7/25/1995	Groundwater Elevation (ft) 10/17/1995	Groundwater Elevation (ft) 2/5/1996
MW-01	99.36	101.11	75.4 - 85.4	---	---	---	---	---	---	DRY	DRY	DRY	77.06
MW-02	91.8	94.68	76.6 - 86.6	---	---	---	---	---	---	83.28	82.42	84.22	84.04
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	---	---	---	---	---	---	51.44	45.94	---	53.6
MW-05	88.21	90.42	49.2 - 59.2	---	---	---	---	---	---	60.34	58.78	---	61.26
MW-06	77.46	79.38	46.4 - 56.4	---	---	---	---	---	---	---	58.52	58.1	60.86
MW-07 (B)	75.66	78.34	34.3 - 44.3	---	---	---	---	---	---	54.51	53.27	52.71	55.16
MW-08	88.21	91.78	53.9 - 63.9	---	---	---	---	---	---	63.41	59.82	60.76	66.61
MW-09	102.44	104.03	49.7 - 59.7	---	---	---	---	---	---	60.1	58.56	58.16	60.95
MW-10 (B)	97.51	97.27	43 - 53	55.02	54.94	54.95	54.52	54.36	55.02	57.49	54.6	54.61	62
MW-11 (B)	91.48	93.8	43.1 - 53.1	56.55	55.63	55.63	56.13	55.63	56.55	58.86	55.72	55.31	62.63
MW-12	93.62	94.14	51.9 - 61.9	---	---	---	---	---	---	60.3	58.76	58.35	61.11
MW-13	98.8	98.7	77.7 - 87.7	78.34	78.25	77.83	77.84	77.75	77.67	DRY	DRY	DRY	---
MW-14	98.76	100.62	74.6 - 84.6	80.54	80.62	80.45	78.95	79.54	80.12	80.61	80.61	80.72	79.91
MW-15 (B)	96.1	98.9	32.7 - 42.7	---	---	---	---	---	---	54.71	51.6	50.47	59.24
MW-16 (B)	98.5	100.85	50.8 - 60.8	---	---	---	---	---	---	63.86	59.41	58.06	67.14
MW-17	66.9	69.24	53.7 - 63.7	---	---	---	---	---	---	59.02	57.71	DRY	60.29
MW-18	76.5	78.29	61.5 - 71.5	---	---	---	---	---	---	---	---	---	---
MW-19	69.5	71.27	46.5 - 56.5	---	---	---	---	---	---	---	---	---	---
MW-20	70.98	73.34	51.9 - 61.9	---	---	---	---	---	---	---	---	---	---
MW-21	69.9	71.87	59.5 - 64.5	---	---	---	---	---	---	---	---	---	---
MW-22	71.5	73.34	60.9 - 65.9	---	---	---	---	---	---	---	---	---	---
MW-23 (B)	89.8	91.72	17.3 - 22.3	---	---	---	---	---	---	---	---	---	---
MW-24*			-	---	---	---	---	---	---	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	---	---	---	---	---	---	---	58.58	58.16	60.92
PZ-02	80.6	83.06	42.8 - 52.8	---	---	---	---	---	---	59.88	58.37	57.97	60.7
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	---	---	---	---	---	---	59.14	57.6	57.11	59.64
RW-02 (B)	91.58	95.18	-	---	---	---	---	---	---	---	---	56.05	63.8
SUMP		97.93	-	74.83	75	75	74.88	75	78	75.09	75.25	76.94	74.67

Notes:
NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock groundwater monitoring well,
* - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler).
MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
System start-up 02/06/96; MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

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Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 2/7/1996	Groundwater Elevation (ft) 2/15/1996	Groundwater Elevation (ft) 2/16/1996	Groundwater Elevation (ft) 2/20/1996	Groundwater Elevation (ft) 2/22/1996	Groundwater Elevation (ft) 2/29/1996	Groundwater Elevation (ft) 3/7/1996	Groundwater Elevation (ft) 3/21/1996	Groundwater Elevation (ft) 4/4/1996	Groundwater Elevation (ft) 4/10/1996
MW-01	99.36	101.11	75.4 - 85.4	76.64	75.3	DRY	DRY	DRY	75.36	75.17	77.34	DRY	DRY
MW-02	91.8	94.68	76.6 - 86.6	83.87	83.41	83.34	83.15	83.32	83.67	83.5	84.24	83.68	83.68
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	52.06	55.39	54.43	52.46	60.37	58.14	55.1	59.26	52.66	54.43
MW-05	88.21	90.42	49.2 - 59.2	---	60.8	60.73	60.5	60.4	60.14	59.73	58.85	58.32	58.14
MW-06	77.46	79.38	46.4 - 56.4	60.44	60.41	60.11	59.8	59.75	59.45	58.96	58.02	57.48	57.28
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.67	55.03	54.52	54.45	54.58	54.46	54.32	54.29	54.17	54.15
MW-08	88.21	91.78	53.9 - 63.9	66.4	65.93	65.84	65.47	65.42	65.12	64.68	64.76	64.1	63.83
MW-09	102.44	104.03	49.7 - 59.7	60.7	60.48	60.35	---	---	59.71	59.22	58.3	57.78	57.59
MW-10 (B)	97.51	97.27	43 - 53	59.88	62.11	60.42	59.96	59.91	59.64	59.43	59.07	58.81	58.72
MW-11 (B)	91.48	93.8	43.1 - 53.1	60.37	62.67	60.88	60.35	60.29	59.99	59.78	59.38	59.1	59.01
MW-12	93.62	94.14	51.9 - 61.9	60.83	60.65	60.5	60.21	60.16	59.86	59.37	58.44	57.93	57.74
MW-13	98.8	98.7	77.7 - 87.7	79.98	79.91	79.9	79.88	79.87	79.86	79.77	79.68	79.6	79.57
MW-14	98.76	100.62	74.6 - 84.6	---	80.28	80.29	80.35	80.38	80.44	80.45	80.49	80.52	80.55
MW-15 (B)	96.1	98.9	32.7 - 42.7	59.37	59.79	59.63	59.56	59.56	59.46	59.4	59.14	59.07	59.04
MW-16 (B)	98.5	100.85	50.8 - 60.8	67.17	66.9	66.79	66.57	66.52	66.39	66.17	65.99	65.99	65.9
MW-17	66.9	69.24	53.7 - 63.7	60.17	59.75	59.7	59.52	59.64	59.42	59.28	59.3	59.27	59.14
MW-18	76.5	78.29	61.5 - 71.5	---	---	---	---	---	---	---	---	---	---
MW-19	69.5	71.27	46.5 - 56.5	---	---	---	---	---	---	---	---	---	---
MW-20	70.98	73.34	51.9 - 61.9	---	---	---	---	---	---	---	---	---	---
MW-21	69.9	71.87	59.5 - 64.5	---	---	---	---	---	---	---	---	---	---
MW-22	71.5	73.34	60.9 - 65.9	---	---	---	---	---	---	---	---	---	---
MW-23 (B)	89.8	91.72	17.3 - 22.3	---	---	---	---	---	---	---	---	---	---
MW-24*			-	---	---	---	---	---	---	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	60.61	60.46	60.28	59.99	59.93	59.63	59.14	58.21	57.67	57.47
PZ-02	80.6	83.06	42.8 - 52.8	60.3	60.26	59.97	59.66	59.61	59.33	58.83	57.9	57.39	57.19
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	55.04	59.22	54.71	54.4	54.35	54.05	53.58	52.76	52.24	52.03
RW-02 (B)	91.58	95.18	-	59.98	63.83	60.67	---	59.97	59.63	59.41	58.95	58.63	58.52
SUMP		97.93	-	74.68	74.64	74.63	74.63	75.3	74.9	74.65	74.87	74.69	74.99

Notes:
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* - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler).
MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
System start-up 02/06/96; MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 4/18/1996	Groundwater Elevation (ft) 5/2/1996	Groundwater Elevation (ft) 6/6/1996	Groundwater Elevation (ft) 7/16/1996	Groundwater Elevation (ft) 9/5/1996	Groundwater Elevation (ft) 10/21/1996	Groundwater Elevation (ft) 11/19/1996	Groundwater Elevation (ft) 1/16/1997	Groundwater Elevation (ft) 2/4/1997	Groundwater Elevation (ft) 4/15/1997
MW-01	99.36	101.11	75.4 - 85.4	DRY	77.73	DRY	DRY	DRY	DRY	76.6	75.15	---	75.64
MW-02	91.8	94.68	76.6 - 86.6	84.86	85.35	83.17	83.32	82.57	83.18	84.22	83.56	---	83.81
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	60.28	59.7	51.63	52.45	DRY	55.91	55.91	53.12	---	---
MW-05	88.21	90.42	49.2 - 59.2	58.2	58.71	60.54	58.98	56.33	55.4	56.49	59.15	---	59.83
MW-06	77.46	79.38	46.4 - 56.4	57.41	58.17	59.91	58.13	54.95	53.71	55.61	58.39	---	59.34
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.32	54.75	55.02	53.95	52.44	51.22	52.68	54.28	---	54.7
MW-08	88.21	91.78	53.9 - 63.9	64.08	65.43	67.07	64.5	59.05	59.56	63.61	64.67	---	65.15
MW-09	102.44	104.03	49.7 - 59.7	57.73	58.46	60.18	58.38	55.38	54.24	56.64	58.65	---	59.6
MW-10 (B)	97.51	97.27	43 - 53	58.61	59.72	62.25	59.11	53.88	---	54.95	59.61	---	58.11
MW-11 (B)	91.48	93.8	43.1 - 53.1	58.94	60.35	62.68	59.53	54.72	52.88	55.85	60.15	---	58.59
MW-12	93.62	94.14	51.9 - 61.9	57.86	58.59	60.33	58.54	55.48	54.3	56.18	58.81	---	59.72
MW-13	98.8	98.7	77.7 - 87.7	79.52	79.44	79.28	79.35	79.15	79.07	80.68	80.49	---	80.33
MW-14	98.76	100.62	74.6 - 84.6	78.14	79.29	80.56	80.66	80.59	80.61	---	80.59	---	80.53
MW-15 (B)	96.1	98.9	32.7 - 42.7	58.84	59.87	62.62	59.24	54.83	51.58	51.99	58.83	---	59.83
MW-16 (B)	98.5	100.85	50.8 - 60.8	65.84	67.02	68.4	65.57	63.31	---	---	66.13	---	66.89
MW-17	66.9	69.24	53.7 - 63.7	59.3	59.95	59.22	58.46	57.89	55.96	58.02	59.33	---	59.64
MW-18	76.5	78.29	61.5 - 71.5	---	---	72.95	72.32	70.81	70.77	---	73.31	72.78	73.6
MW-19	69.5	71.27	46.5 - 56.5	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	70.98	73.34	51.9 - 61.9	---	---	DRY	50.26	DRY	DRY	DRY	DRY	---	---
MW-21	69.9	71.87	59.5 - 64.5	---	---	---	---	---	---	---	---	63.69	63.74
MW-22	71.5	73.34	60.9 - 65.9	---	---	---	---	---	---	---	---	63.69	67.92
MW-23 (B)	89.8	91.72	17.3 - 22.3	---	---	---	---	---	---	---	---	---	37.71
MW-24*			-	---	---	---	---	---	---	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	57.6	58.34	---	58.31	55.13	53.9	55.83	58.57	---	59.51
PZ-02	80.6	83.06	42.8 - 52.8	57.3	58.04	59.77	57.97	54.9	53.53	55.25	58.23	---	59.13
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	52.11	52.69	53.82	51.94	48.05	41.8	47.33	50.74	---	50.3
RW-02 (B)	91.58	95.18	-	58.41	59.63	62.56	59.14	---	42.02	55.39	---	---	55.69
SUMP		97.93	-	75.89	75.76	74.73	74.78	74.56	74.85	74.77	74.71	---	74.94

Notes:
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MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
System start-up 02/06/96; MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 7/8/1997	Groundwater Elevation (ft) 10/22/1997	Groundwater Elevation (ft) 1/29/1998	Groundwater Elevation (ft) 4/15/1998	Groundwater Elevation (ft) 10/20/1998	Groundwater Elevation (ft) 4/28/1999	Groundwater Elevation (ft) 10/19/1999	Groundwater Elevation (ft) 4/6/2000	Groundwater Elevation (ft) 11/7/2000	Groundwater Elevation (ft) 7/3/2001
MW-01	99.36	101.11	75.4 - 85.4	DRY	DRY	DRY	DRY	DRY	DRY	DRY	80.92	DRY	77.46
MW-02	91.8	94.68	76.6 - 86.6	---	82.84	83.47	83.52	83.54	83.38	84.44	86.58	---	84.33
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	---	---	---	---	---	---	---	---	---	---
MW-05	88.21	90.42	49.2 - 59.2	59.16	58.34	60.86	---	---	59.91	55.35	60.52	59.83	60.92
MW-06	77.46	79.38	46.4 - 56.4	58.58	57.97	60.46	60.57	59.69	59.11	53.34	60.36	59.4	55.87
MW-07 (B)	75.66	78.34	34.3 - 44.3	52.93	50.63	52.9	53.82	51.76	54.57	51.73	54.87	DRY	53.34
MW-08	88.21	91.78	53.9 - 63.9	61.65	58.9	64.98	67.17	59.86	64.21	62.37	66.41	61.45	65.63
MW-09	102.44	104.03	49.7 - 59.7	58.76	58	60.51	60.56	59.71	59.68	54.25	60.62	59.42	60.51
MW-10 (B)	97.51	97.27	43 - 53	53.44	50.75	55.78	---	51.88	57.97	51.32	57.6	52.73	57.22
MW-11 (B)	91.48	93.8	43.1 - 53.1	55.2	52.5	56.75	61.73	53.98	58.36	53.31	59.39	54.66	59.15
MW-12	93.62	94.14	51.9 - 61.9	58.92	58.21	60.67	60.8	59.89	59.53	54.09	60.71	59.62	60.63
MW-13	98.8	98.7	77.7 - 87.7	79.84	79.53	78.87	78.67	78.31	78.08	80.75	80.89	80.53	79.95
MW-14	98.76	100.62	74.6 - 84.6	80.55	80.58	80.78	80.78	80.64	80.54	80.67	80.6	80.75	79.74
MW-15 (B)	96.1	98.9	32.7 - 42.7	56.63	50.48	56.34	62.1	52.58	58.94	50.95	58.81	54.32	58.98
MW-16 (B)	98.5	100.85	50.8 - 60.8	64.43	58.45	65.71	68.03	61.84	65.99	59.81	66.92	63.57	66.14
MW-17	66.9	69.24	53.7 - 63.7	58.33	DRY	59.7	59.51	57.93	58.76	57.47	60.28	58.33	58.55
MW-18	76.5	78.29	61.5 - 71.5	71.34	69.71	73.5	73.29	70.74	72.46	70.78	75.08	71.61	72.09
MW-19	69.5	71.27	46.5 - 56.5	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	70.98	73.34	51.9 - 61.9	---	---	---	---	---	---	---	---	---	---
MW-21	69.9	71.87	59.5 - 64.5	---	62.93	63.82	63.54	63.23	63.31	62.69	64.42	62.59	62.53
MW-22	71.5	73.34	60.9 - 65.9	67.35	65.96	68.51	68.39	67.83	68.05	67.69	68.52	66.42	68.13
MW-23 (B)	89.8	91.72	17.3 - 22.3	35.61	32.29	34.95	37.95	33.57	36.76	32.48	36.69	33.97	36.21
MW-24*			-	---	---	---	---	---	---	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	58.7	58.01	60.5	60.61	59.7	59.3	53.65	60.51	59.44	---
PZ-02	80.6	83.06	42.8 - 52.8	58.34	57.65	60.22	60.34	59.46	59.03	52.71	60.17	59.16	---
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	43.34	42.03	43.13	32.6	32.36	54.69	---	50.73	40.88	---
RW-02 (B)	91.58	95.18	-	44.07	42.89	52.74	59.94	44.33	56.74	---	54.52	42.86	---
SUMP		97.93	-	75.01	74.75	74.89	74.96	75.2	75.26	---	78.49	74.91	75.33

Notes:
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* - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler).
MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
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RAMBOLL

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 11/8/2001	Groundwater Elevation (ft) 4/3/2002	Groundwater Elevation (ft) 10/9/2002	Groundwater Elevation (ft) 12/28/2004	Groundwater Elevation (ft) 4/8/2005	Groundwater Elevation (ft) 5/8/2005	Groundwater Elevation (ft) 11/9/2005	Groundwater Elevation (ft) 4/21/2006	Groundwater Elevation (ft) 1/2/2007	Groundwater Elevation (ft) 11/29/2007
MW-01	99.36	101.11	75.4 - 85.4	76.87	77.42	101.11	76.7	80.09	80.09	78.27	78.66	76.7	80.03
MW-02	91.8	94.68	76.6 - 86.6	83.67	84.28	83.6	83.67	85.01	85.01	84.1	85.14	83.58	85.6
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	---	---	---	---	---	---	---	---	---	---
MW-05	88.21	90.42	49.2 - 59.2	60.1	60.8	58.42	60.79	61.76	61.76	60.82	60.88	60.65	61.62
MW-06	77.46	79.38	46.4 - 56.4	59.67	60.42	59.84	60.35	61.45	61.45	60.36	70.35	60.28	60.5
MW-07 (B)	75.66	78.34	34.3 - 44.3	51.92	53.59	52.34	54.11	55.35	55.35	---	54.59	54.04	52.96
MW-08	88.21	91.78	53.9 - 63.9	60.92	64.16	60.73	63.24	67.83	67.83	64.14	65.22	63.24	66.86
MW-09	102.44	104.03	49.7 - 59.7	59.68	60.47	59.85	60.36	61.54	61.54	60.4	60.36	60.36	60.55
MW-10 (B)	97.51	97.27	43 - 53	52.6	56.07	54.57	54.86	60.38	60.38	55.76	58.75	57.62	56.01
MW-11 (B)	91.48	93.8	43.1 - 53.1	54.73	57.19	54.77	56.54	60.89	60.89	56.05	58.84	57.81	55.72
MW-12	93.62	94.14	51.9 - 61.9	59.87	60.64	---	60.54	61.67	61.67	60.58	60.54	60.47	60.72
MW-13	98.8	98.7	77.7 - 87.7	80.1	78.65	79.62	83.48	80.04	80.04	80.6	79.8	79.44	78.68
MW-14	98.76	100.62	74.6 - 84.6	80.77	80.48	82.87	81.72	84.69	84.69	82.77	82.71	82.65	89.24
MW-15 (B)	96.1	98.9	32.7 - 42.7	53.52	59.03	54.4	57.78	61.53	61.53	55.87	59.87	59.26	54.35
MW-16 (B)	98.5	100.85	50.8 - 60.8	63.58	66.25	63.5	65.64	68.75	68.75	65.35	66.31	66.12	63.99
MW-17	66.9	69.24	53.7 - 63.7	58.02	59.24	57.58	58.91	60.79	60.79	58.91	58.77	59	58.46
MW-18	76.5	78.29	61.5 - 71.5	71.36	73.75	69.84	72.88	74.61	74.61	72.33	72.54	73.2	72.84
MW-19	69.5	71.27	46.5 - 56.5	DRY	DRY	DRY	DRY	---	DRY	DRY	DRY	---	DRY
MW-20	70.98	73.34	51.9 - 61.9	---	---	---	---	---	---	---	---	---	---
MW-21	69.9	71.87	59.5 - 64.5	62.58	63.39	61.82	62.54	63.92	63.92	62.62	62.24	62.63	63.12
MW-22	71.5	73.34	60.9 - 65.9	68.15	68.71	67.24	63.41	68.65	68.65	68.68	68.3	68.59	68.94
MW-23 (B)	89.8	91.72	17.3 - 22.3	33.25	35.68	33.63	36.49	39.32	39.32	35.43	37.72	36.62	34.82
MW-24*			-	---	---	---	---	---	---	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	59.7	60.45	59.87	60.4	61.48	61.48	60.38	60.37	60.35	60.53
PZ-02	80.6	83.06	42.8 - 52.8	59.48	60.18	59.65	60.23	61.28	61.28	60.22	60.19	60.09	60.36
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	36.48	36.53	34.88	---	---	---	---	---	---	---
RW-02 (B)	91.58	95.18	-	42.97	49.85	44.13	---	---	---	---	---	---	---
SUMP		97.93	-	75.05	75.13	74.94	---	---	---	---	---	---	---

Notes:
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System start-up 02/06/96; MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 5/8/2008	Groundwater Elevation (ft) 11/21/2008	Groundwater Elevation (ft) 4/22/2009	Groundwater Elevation (ft) 11/20/2009	Groundwater Elevation (ft) 4/30/2010	Groundwater Elevation (ft) 11/17/2010	Groundwater Elevation (ft) 5/12/2011	Groundwater Elevation (ft) 11/29/2011	Groundwater Elevation (ft) 5/22/2012	Groundwater Elevation (ft) 11/28/2012
MW-01	99.36	101.11	75.4 - 85.4	80.06	80.11	80.69	79.49	80.73	79.87	80.71	75.97	75.07	75.06
MW-02	91.8	94.68	76.6 - 86.6	---	---	83.26	83.24	83.13	83.6	NM	83.98	83.36	83.4
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	---	---	---	---	---	---	---	---	---	---
MW-05	88.21	90.42	49.2 - 59.2	60.72	60.24	60.86	60.32	60.7	60.62	62.32	60.66	60.54	60.02
MW-06	77.46	79.38	46.4 - 56.4	60.28	59.98	60.46	60.03	60.34	60.26	NM	60.26	60.16	59.78
MW-07 (B)	75.66	78.34	34.3 - 44.3	52.94	---	56.1	52.88	54.04	52.94	53.84	53.18	53.32	52.24
MW-08	88.21	91.78	53.9 - 63.9	66.82	66.88	66.5	61.93	65.94	64.7	NM	63	62.44	60.93
MW-09	102.44	104.03	49.7 - 59.7	60.33	60.53	60.49	60.03	60.37	60.27	61.9	60.25	60.19	59.76
MW-10 (B)	97.51	97.27	43 - 53	61.05	52.79	60.33	53.77	58.97	58.77	66.37	55.73	55.41	52.47
MW-11 (B)	91.48	93.8	43.1 - 53.1	60.32	52.42	59.4	52.98	57.95	57.84	64.85	54.56	54.2	51.58
MW-12	93.62	94.14	51.9 - 61.9	60.5	60.19	60.67	60.24	60.56	60.44	62.02	60.46	60.38	59.98
MW-13	98.8	98.7	77.7 - 87.7	78.23	DRY	DRY	78.02	Dry	Dry	Dry	Dry	Dry	Dry
MW-14	98.76	100.62	74.6 - 84.6	82.74	82.59	82.72	82.67	82.62	82.77	81.74	82.7	82.64	82.54
MW-15 (B)	96.1	98.9	32.7 - 42.7	61.89	52.85	61.74	54.7	60.4	60.1	62.56	57.88	57.6	52.1
MW-16 (B)	98.5	100.85	50.8 - 60.8	67.78	63.03	67.85	64.11	66.77	66.41	74.8	64.83	64.81	61.03
MW-17	66.9	69.24	53.7 - 63.7	58.96	57.9	59.36	58.38	58.96	58.89	60.26	58.96	58.92	54.44
MW-18	76.5	78.29	61.5 - 71.5	72.7	71.85	73.08	71.91	72.53	72.95	73.26	73.05	72.47	70.83
MW-19	69.5	71.27	46.5 - 56.5	DRY	DRY	DRY	47.11	Dry	47.13	DRY	47.13	47.12	Dry
MW-20	70.98	73.34	51.9 - 61.9	---	---	---	---	---	---	---	---	---	---
MW-21	69.9	71.87	59.5 - 64.5	62.65	62.65	62.63	62.43	62.31	63.31	62.36	62.85	62.12	60.57
MW-22	71.5	73.34	60.9 - 65.9	68.6	68.51	68.44	68.29	68.26	68.88	68.44	68.74	68.3	68.34
MW-23 (B)	89.8	91.72	17.3 - 22.3	34.76	34.82	39.14	35.06	38.38	38.08	42.22	36.96	37.4	34
MW-24*			-	---	---	---	---	---	---	---	---	---	Dry
PZ-01	81.8	83.95	49.8 - 59.8	60.32	59.99	60.49	60.03	60.37	60.27	61.85	60.27	60.2	59.79
PZ-02	80.6	83.06	42.8 - 52.8	60.12	59.81	60.3	59.86	60.18	60.1	61.61	60.11	60.02	59.62
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	---	---	---	---	---	---	---	---	---	33.54
RW-02 (B)	91.58	95.18	-	---	---	---	---	---	---	---	---	---	43.33
SUMP		97.93	-	---	---	---	---	---	---	---	---	---	---

Notes:
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MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
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Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 4/18/2013	Groundwater Elevation (ft) 10/1/2013	Groundwater Elevation (ft) 4/16/2014	Groundwater Elevation (ft) 9/18/2014	Groundwater Elevation (ft) 3/31/2015	Groundwater Elevation (ft) 9/16/2015	Groundwater Elevation (ft) 3/22/2016	Groundwater Elevation (ft) 10/4/2016	Groundwater Elevation (ft) 4/26/2017	Groundwater Elevation (ft) 10/25/2017
MW-01	99.36	101.11	75.4 - 85.4	78.43	75.06	77.29	75.07	80.26	75.07	76.29	Dry	77.51	Dry
MW-02	91.8	94.68	76.6 - 86.6	84.68	83.36	85.18	83.06	85.18	83.06	84.26	83.38	84.66	83.22
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	---	---	---	---	---	---	---	---	---	---
MW-05	88.21	90.42	49.2 - 59.2	61.08	60.38	61.74	60.24	60.22	60.06	60.86	59.7	61.87	59.92
MW-06	77.46	79.38	46.4 - 56.4	60.98	60.04	61.35	59.94	60.02	59.88	60.46	59.52	61.34	59.74
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.12	53.14	54.82	52.29	53.28	52.24	54.3	52.22	55.1	52.19
MW-08	88.21	91.78	53.9 - 63.9	65.6	62.66	68.38	61.32	63.93	61.36	66.44	59.78	69.74	60.54
MW-09	102.44	104.03	49.7 - 59.7	60.71	60.05	61.43	59.97	60.01	59.88	60.47	59.49	61.41	59.73
MW-10 (B)	97.51	97.27	43 - 53	58.67	55.39	61.91	54.73	54.25	54.85	59.77	52.77	64.23	53.71
MW-11 (B)	91.48	93.8	43.1 - 53.1	57.48	54.10	60.5	53.54	53.15	53.55	58.44	51.66	62.6	52.5
MW-12	93.62	94.14	51.9 - 61.9	60.88	60.24	61.56	60.16	60.22	60.09	60.66	59.7	61.58	59.92
MW-13	98.8	98.7	77.7 - 87.7	Dry	78.00	79.94	79.3	78.74	78.3	78.04	78	DRY	DRY
MW-14	98.76	100.62	74.6 - 84.6	82.54	82.82	82.8	82.88	84.8	83.2	83.06	82.7	82.76	82.74
MW-15 (B)	96.1	98.9	32.7 - 42.7	60.12	57.65	63.3	56.34	55.06	56.68	61.32	52.54	66.2	53.92
MW-16 (B)	98.5	100.85	50.8 - 60.8	67.15	64.75	69.49	64.19	64.2	64.29	67.45	61.5	71.99	62.6
MW-17	66.9	69.24	53.7 - 63.7	59.88	58.24	60.36	58.08	58.7	58	59.64	Dry	59.94	57.66
MW-18	76.5	78.29	61.5 - 71.5	74.27	71.07	74.83	70.77	73.63	70.23	73.59	69.39	73.93	69.91
MW-19	69.5	71.27	46.5 - 56.5	Dry	Dry	Dry	Dry	Dry	47.13	47.12	Dry	47.43	DRY
MW-20	70.98	73.34	51.9 - 61.9	---	---	---	---	---	---	---	---	---	---
MW-21	69.9	71.87	59.5 - 64.5	62.92	60.91	63.71	60.55	63.43	60.57	62.73	Dry	62.75	Dry
MW-22	71.5	73.34	60.9 - 65.9	68.3	66.39	68.04	66.8	68.18	66.92	68.14	65.58	68.99	68.38
MW-23 (B)	89.8	91.72	17.3 - 22.3	38.6	36.86	40.38	36.22	36.12	36.54	39.36	34.52	41.77	35.52
MW-24*			-	Dry	---	---	---	---	---	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	60.69	60.07	61.39	59.97	60.03	59.89	60.47	59.5	61.37	59.75
PZ-02	80.6	83.06	42.8 - 52.8	60.51	59.88	61.14	59.78	59.84	59.72	60.28	59.34	61.16	59.56
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	34.88	34.38	34.88	34.88	33.93	34.14	33.53	35.32	35.48	34.96
RW-02 (B)	91.58	95.18	-	54.73	44.02	58.94	44.18	44.8	43.54	56.36	43.94	61.42	44.68
SUMP		97.93	-	---	---	---	---	---	---	---			

Notes:
NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock groundwater monitoring well,
* - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler).
MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
System start-up 02/06/96; MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 4/24/2018	Groundwater Elevation (ft) 10/4/2018	Groundwater Elevation (ft) 4/11/2019	Groundwater Elevation (ft) 10/22/2019
MW-01	*99.36*	101.11	75.4 - 85.4	76.09	DRY	75.06	DRY
MW-02	91.8	94.68	76.6 - 86.6	83.94	84.32	83.72	84.6
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	---	---	---	---
MW-05	88.21	90.42	49.2 - 59.2	61.1	60.1	60.68	60.44
MW-06	77.46	79.38	46.4 - 56.4	60.62	59.86	60.36	60.12
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.54	52.7	54.34	52.34
MW-08	88.21	91.78	53.9 - 63.9	67.92	62.12	64.76	61.88
MW-09	102.44	104.03	49.7 - 59.7	60.65	59.85	60.39	60.11
MW-10 (B)	97.51	97.27	43 - 53	61.75	54.41	58.57	55.35
MW-11 (B)	91.48	93.8	43.1 - 53.1	60.25	53.1	57.28	54.04
MW-12	93.62	94.14	51.9 - 61.9	60.82	60.04	60.56	60.3
MW-13	98.8	98.7	77.7 - 87.7	DRY	DRY	DRY	DRY
MW-14	98.76	100.62	74.6 - 84.6	82.56	82.78	83.18	82.7
MW-15 (B)	96.1	98.9	32.7 - 42.7	63.6	54.78	60.68	56.48
MW-16 (B)	98.5	100.85	50.8 - 60.8	69.13	63.59	66.57	64.21
MW-17	66.9	69.24	53.7 - 63.7	59.34	57.78	58.96	57.84
MW-18	76.5	78.29	61.5 - 71.5	73.49	70.69	73.21	71.31
MW-19	69.5	71.27	46.5 - 56.5	47.52	DRY	47.47	47.53
MW-20	70.98	73.34	51.9 - 61.9	---	---	---	---
MW-21	69.9	71.87	59.5 - 64.5	62.51	DRY	62.57	DRY
MW-22	71.5	73.34	60.9 - 65.9	69.28	68.98	69.74	69.34
MW-23 (B)	89.8	91.72	17.3 - 22.3	40.48	35.78	39.32	35.6
MW-24*			-	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	60.65	59.87	60.39	60.13
PZ-02	80.6	83.06	42.8 - 52.8	60.38	59.68	60.18	59.92
RW-01	78.4	80.28	29.4 - 39.4, 45.4 - 50.4	34.34	34.18	33.08	34.73
RW-02 (B)	91.58	95.18	-	58.58	44.88	52.93	45.43
SUMP		97.93	-				

Notes:
NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock groundwater monitoring well,
* - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler).
MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
System start-up 02/06/96; MW-13 casing elev. changed 06/06/96. MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Trichloroethene Concentrations

Sample Date	August-89 Trichloroethene ug/L	December-89 Trichloroethene ug/L	May-90 Trichloroethene ug/L	May-92 Trichloroethene ug/L	July-94 Trichloroethene ug/L	October-94 Trichloroethene ug/L	February-95 Trichloroethene ug/L	April-95 Trichloroethene ug/L	July-95 Trichloroethene ug/L
Location ID									
MW-01	112	ND	2	ND	---	---	---	---	---
MW-02	ND	ND	1	ND	---	ND	ND	ND	ND
MW-03	ND	ND	440000	340000	ND	NI	NI	NI	NI
MW-04	---	7	43	6	270	23	13	16	---
MW-05	---	340	344	110	330	410	290	280	---
MW-06	---	700	454	510	390	360	330	280	270
MW-07	---	ND	ND	ND	ND	ND	ND	ND	ND
MW-08	---	ND	ND	ND	---	ND	ND	ND	ND
MW-09	---	109	106	60	72	74	74	84	75
MW-10	---	---	---	4500	1600	1300	1400	1200	900
MW-11	---	---	---	5200	5500	5300	4300	3900	4000
MW-12	---	---	---	36	44	35	33	30	25
MW-13	---	---	---	110	740	510	---	---	---
MW-14	---	---	---	67	150	120	79	95	140
MW-15	NI	NI	NI	NI	NI	14	11	10	17
MW-16	NI	NI	NI	NI	NI	6	17	7	18
MW-17	NI	NI	NI	NI	260	140	200	130	160
MW-18	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-22	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-23	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	NI	NI	NI	NI	NI	---	---	---	120
PZ-02	NI	NI	NI	NI	NI	---	---	490	400

Notes:
ND - Not detected above unknown MDL, U - Not detected above known MDL, --- - Not analyzed, NI - Not installed at time of monitoring, AB - Well was abandoned.
MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits
MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.
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Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Trichloroethene Concentrations

Sample Date	October-95 Trichloroethene ug/L	January-96 Trichloroethene ug/L	April-96 Trichloroethene ug/L	May-96 Trichloroethene ug/L	July-96 Trichloroethene ug/L	October-96 Trichloroethene ug/L	January-97 Trichloroethene ug/L	April-97 Trichloroethene ug/L	July-97 Trichloroethene ug/L
Location ID									
MW-01	---	---	---	---	---	---	---	---	---
MW-02	ND	---	---	---	---	1 U	---	---	---
MW-03	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-04	15	---	---	---	---	62	NI	NI	NI
MW-05	---	---	---	---	---	180	---	---	---
MW-06	180	170	110	---	98	71	75	52	---
MW-07	ND	---	---	---	---	1 U	---	---	---
MW-08	ND	---	---	---	---	1 U	---	---	---
MW-09	68	100	64	---	65	50	95	83	66
MW-10	890	900	820	---	960	1700	1900	1200	---
MW-11	2600	2500	1500	---	1400	1600	1500	800	---
MW-12	29	---	---	---	---	17	---	---	---
MW-13	---	---	---	---	---	370	---	---	---
MW-14	78	84	250	---	230	170	390	400	260
MW-15	7	---	---	---	---	20	---	---	---
MW-16	20	---	---	---	---	11	---	---	---
MW-17	---	180	350	---	460	300	450	220	150
MW-18	NI	NI	NI	1200	---	2900	850	410	1800
MW-20	NI	NI	NI	70	---	---	NI	NI	NI
MW-21	NI	NI	NI	NI	NI	NI	270	520	310
MW-22	NI	NI	NI	NI	NI	NI	2	1	3
MW-23	NI	NI	NI	NI	NI	NI	NI	1 U	1 U
MW-24	NI	NI	NI	NI	NI	NI	NI	NI	NI
PZ-01	---	---	---	---	---	32	---	---	---
PZ-02	---	---	---	---	---	540	---	---	---

Notes:
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MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits
MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.
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Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Trichloroethene Concentrations

Sample Date	October-97 Trichloroethene ug/L	January-98 Trichloroethene ug/L	April-98 Trichloroethene ug/L	October-98 Trichloroethene ug/L	November-98 Trichloroethene ug/L	April-99 Trichloroethene ug/L	October-99 Trichloroethene ug/L	April-00 Trichloroethene ug/L	November-00 Trichloroethene ug/L
Location ID									
MW-01	---	---	---	---	---	---	---	---	---
MW-02	1 U	---	---	1 U	---	---	1 U	---	1 U
MW-03	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-04	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-05	220	---	---	200	---	---	78	---	110
MW-06	58	---	140	92	---	63	72	30	48
MW-07	1 U	---	---	1 U	---	---	1 U	---	---
MW-08	---	---	---	1 U	---	---	1 U	---	1 U
MW-09	61	140	120	80	---	120	46	69	60
MW-10	1300	---	930	880	---	720	700	530	690
MW-11	1600	---	920	1100	---	740	900	670	840
MW-12	19	---	---	22	---	---	15	---	17
MW-13	760	---	---	480	---	---	430	---	790
MW-14	560	560	460	400	---	460	260	250	280
MW-15	18	---	---	21	---	---	13	---	7
MW-16	14	---	---	4	---	---	15	---	3
MW-17	---	270	800	250	---	280	180	160	220
MW-18	3100	1000	1100	3600	---	620	1800	360	1900
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	450	120	1300	180	---	510	90	42	73
MW-22	8	5	10	14	---	10	9	13	12
MW-23	1 U	1 U	---	1 U	---	---	1 U	---	1 U
MW-24	NI	NI	NI	NI	6000	4300	4300	690	2400
PZ-01	48	---	---	85	---	---	410	---	29
PZ-02	420	---	---	250	---	---	18	---	160

Notes:
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MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits
MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.
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Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Trichloroethene Concentrations

Sample Date	July-01 Trichloroethene ug/L	November-01 Trichloroethene ug/L	April-02 Trichloroethene ug/L	June-02 Trichloroethene ug/L	October-02 Trichloroethene ug/L	May-03 Trichloroethene ug/L	December-03 Trichloroethene ug/L	July-04 Trichloroethene ug/L	December-04 Trichloroethene ug/L
Location ID									
MW-01	---	1 U	---	---	---	---	---	---	---
MW-02	---	1 U	---	---	---	---	---	---	---
MW-03	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-04	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-05	---	120	---	---	100	---	110	---	98
MW-06	89	92	---	---	92	---	110	---	---
MW-07	---	1 U	---	---	---	---	---	---	---
MW-08	---	1 U	---	---	---	---	---	---	---
MW-09	70	77	---	---	67	---	110	---	---
MW-10	600	900	740	---	700	530	570	470	---
MW-11	680	1000	870	---	760	940	620	490	---
MW-12	---	19	---	---	18	---	20	---	21
MW-13	---	520	---	360	370	---	---	---	---
MW-14	270	240	---	---	200	310	190	---	200
MW-15	---	27	---	---	21	---	26	---	2.1
MW-16	---	3	---	---	1	---	3	---	2.1
MW-17	240	230	---	---	290	---	310	---	140
MW-18	970	2000	350	---	2500	2100	2300	1600	---
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	35	38	---	---	---	---	12	---	4.9
MW-22	13	13	---	---	4	---	18	---	18
MW-23	---	1 U	---	---	---	---	---	---	---
MW-24	600	1500	---	470	---	390	190	170	96
PZ-01	---	79	---	---	79	---	92	---	120
PZ-02	---	260	---	---	160	---	150	---	130

Notes:
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MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits
MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.
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Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Trichloroethene Concentrations

Sample Date	April-05 Trichloroethene UG/L	November-05 Trichloroethene ug/l	April-06 Trichloroethene ug/l	January-07 Trichloroethene ug/l	February-07 Trichloroethene ug/l	May-07 Trichloroethene ug/l	November-07 Trichloroethene ug/l	May-08 Trichloroethene ug/l	November-08 Trichloroethene ug/l
Location ID									
MW-01	---	---	---	---	---	---	---	---	---
MW-02	---	---	---	---	---	---	---	---	---
MW-03	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-04	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-05	---	75.0	---	75.2	---	---	88	---	84.6
MW-06	---	---	---	142	---	---	120	---	84.1
MW-07	---	---	---	---	---	---	---	---	---
MW-08	---	---	---	---	---	---	---	---	---
MW-09	---	83.3	---	86.9	---	---	88	---	77.2
MW-10	450	---	486	---	448	448	440	476	126
MW-11	390	---	469	---	407	390	380	293	746
MW-12	---	19.6	---	23	---	24	38	---	24.3
MW-13	200	---	265	---	265	282	310	251	---
MW-14	---	127	---	270	---	---	380	---	484
MW-15	---	0.50 U	---	0.54	---	---	0.82	---	0.5 U
MW-16	---	2.25	---	1.82	---	---	2.1	---	3.21
MW-17	---	---	---	132	---	---	240	---	210
MW-18	1300	---	1490	---	763	1590	1800	1160	1840
MW-20	NI	NI	NI	NI	NI	NI	NI	NI	NI
MW-21	---	10.6	---	6.17	---	---	7.2	---	12.2
MW-22	---	15.8	---	13.5	---	---	27	---	28.9
MW-23	---	---	---	---	---	---	---	---	---
MW-24	64	124	70.6	100	---	197	210	159	452
PZ-01	---	103	---	132	---	---	100	---	48.4
PZ-02	---	118	---	125	---	---	110	---	116

Notes:
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MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits
MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.
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Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Trichloroethene Concentrations

Sample Date	April-09 Trichloroethene ug/l	November-09 Trichloroethene ug/l	April-10 Trichloroethene ug/l	November-10 Trichloroethene ug/l	May-11 Trichloroethene ug/l	November-11 Trichloroethene ug/l	May-12 Trichloroethene ug/l	November-12 Trichloroethene ug/l	April-13 Trichloroethene ug/l
Location ID									
MW-01	---	---	---	---	---	---	---	---	---
MW-02	---	---	---	---	---	---	---	---	---
MW-03	NI	NI	NI	NI	NI	NI	---	NI	---
MW-04	NI	NI	NI	NI	NI	NI	---	NI	---
MW-05	---	77.8	---	82	---	73.1	---	64.8	---
MW-06	---	75.8	---	83.8	---	52.6	---	87.2	---
MW-07	---	---	---	---	---	---	---	---	---
MW-08	---	---	---	---	---	---	---	---	---
MW-09	---	71.2	---	62	---	52.6	---	87.6	---
MW-10	329	285	369	395	416	169	135	60.7	320
MW-11	260	452	379	406	255	926	891	1080	638
MW-12	---	16.5	---	19.5	---	21.9	---	17.6	---
MW-13	---	---	208	262	---	278	234	307	196
MW-14	---	426	---	438	---	17.8	---	355	---
MW-15	---	0.65	---	22.9	---	0.5 U	---	0.5 U	---
MW-16	---	1.96	---	1.69	---	1.53	---	2.21	---
MW-17	---	190	---	79.6	---	496	---	118	---
MW-18	1160	1290	609	1300	1460	1190	1020	1820	942
MW-20	NI	NI	NI	NI	NI	NI	---	NI	---
MW-21	---	12.3	---	6.1	---	6.76	---	27.4	---
MW-22	---	19	---	19.4	---	23.6	---	19.1	---
MW-23	---	---	---	---	---	---	---	---	---
MW-24	118	---	193	331	62.1	246	162	1010	210
PZ-01	---	50.9	---	95	---	94.2	---	50.8	---
PZ-02	---	101	---	100	---	96.6	---	111	---

Notes:
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MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits
MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.
Data provided only for wells presently included in either the annual or semi-annual monitoring list of wells.

Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Trichloroethene Concentrations

Sample Date	October-13 Trichloroethene ug/l	Apr-14 Trichloroethene ug/l	Sep-14 Trichloroethene ug/l	Mar-15 Trichloroethene ug/l	Sep-15 Trichloroethene ug/l	March-16 Trichloroethene ug/l	Oct-16 Trichloroethene ug/l	Apr-17 Trichloroethene ug/l	Oct-17 Trichloroethene ug/l	Apr-18 Trichloroethene ug/l
Location ID										
MW-01	---	---	---	---	---	---	---	---	---	---
MW-02	---	---	---	---	---	---	---	---	---	---
MW-03	---	---	---	---	---	---	---	---	---	---
MW-04	---	---	---	---	---	---	---	---	---	---
MW-05	73	---	53	---	55	---	40	---	44	---
MW-06	64	---	82	---	79	---	57	---	64	---
MW-07	---	---	---	---	---	---	---	---	---	---
MW-08	---	---	---	---	---	---	---	---	---	---
MW-09	52	---	45	---	46	---	33	---	26	---
MW-10	84	310	56	96	100	270	100	260	63	250
MW-11	760	470	640	690	680	560	540 F1	610	180	390
MW-12	16	---	21	---	16	---	13		13	---
MW-13	290	190	260	210	260	220	240	220	190	220
MW-14	1600	210	300	---	200	---	280	---	250	---
MW-15	0.69 J	---	1U	---	0.82 J	---	1U	---	1U	---
MW-16	1.5	---	1.5	---	1.5	---	1.6	---	1.6	---
MW-17	330	---	260		190		190		200	---
MW-18	1700	650	1500	960	1500 F1	1200	1300	610	1000	1300 F1
MW-20	---	---	---	---	---	---	---	---	---	---
MW-21	15	---	15	---	18	---	19	---	15	---
MW-22	1.5	---	11	---	9.5	---	8.4	---	9.6	---
MW-23	---	---	---	---	---	---	---	---	---	---
MW-24	530	220	400	230	380	320	420	220	300	150 F1
PZ-01	90	---	77	---	63	---	41	---	46	---
PZ-02	97	---	89	---	83	---	71	---	64	---

Notes:
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MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits
MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.
Data provided only for wells presently included in either the annual or semi-annual monitoring list of wells.

Table 3
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Trichloroethene Concentrations

Sample Date	Oct-18 Trichloroethene ug/l	May-19 Trichloroethene ug/l	Oct-19 Trichloroethene ug/l
Location ID			
MW-01	---	---	---
MW-02	---	---	---
MW-03	---	---	---
MW-04	---	---	---
MW-05	57	---	47
MW-06	72	---	66
MW-07	---	---	---
MW-08	---	---	---
MW-09	40	---	34
MW-10	77	140	71
MW-11	300	310	510
MW-12	17	---	15
MW-13	250		260
MW-14	270	---	220
MW-15	1 U	---	1 U
MW-16	1.6	---	1 U
MW-17	210	---	180
MW-18	1500 F1	960	1400
MW-20	---	---	---
MW-21	17	---	15
MW-22	14	---	5.7
MW-23	---	---	---
MW-24	370	140	290
PZ-01	48	---	47
PZ-02	75	---	69

Notes:
ND - Not detected above unknown MDL, U - Not detected above known MDL, --- - Not analyzed, NI - Not installed at time of monitoring, AB - Well was abandoned.
MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits
MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.
MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.
Data provided only for wells presently included in either the annual or semi-annual monitoring list of wells.

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-01	11/8/2001	1 U	1 U	1 U	1 U
MW-02	10/22/1996	1 U	1 U	1 U	1 U
MW-02	10/22/1997	1 U	1 U	1 U	1 U
MW-02	10/21/1998	1 U	1 U	1 U	1 U
MW-02	10/19/1999	1 U	1 U	1 U	1 U
MW-02	11/9/2000	1 U	1 U	1 U	1 U
MW-02	11/10/2001	1 U	1 U	1 U	1 U
MW-04	10/22/1996	**12**	1 U	1 U	1 U
MW-05	10/21/1996	10 U	10 U	10 U	10 U
MW-05	10/22/1997	10 U	10 U	10 U	10 U
MW-05	10/20/1998	10 U	10 U	10 U	10 U
MW-05	10/19/1999	10 U	10 U	10 U	10 U
MW-05	11/8/2000	5 U	5 U	5 U	5 U
MW-05	11/9/2001	5 U	5 U	5 U	5 U
MW-05	10/10/2002	5 U	5 U	5 U	5 U
MW-05	12/8/2003	5 U	5 U	5 U	5 U
MW-05	12/28/2004	2.5 U	**2.7**	2.5 U	2.5 U
MW-05	11/9/2005	2.50 U	2.50 U	2.50 U	2.50 U
MW-05	1/2/2007	2.5 U	2.5 U	2.5 U	2.5 U
MW-05	11/29/2007	0.5 U	**2.5**	0.5 U	0.5 U
MW-05	11/1/2008	1.52	1.95	0.5 U	0.5 U
MW-05	11/20/2009	1.15	2.25	0.5 U	0.5 U
MW-05	11/17/2010	2.5 U	2.5 U	2.5 U	2.5 U
MW-05	11/29/2011	2.5 U	2.5 U	2.5 U	2.5 U
MW-05	11/28/2012	2.5 U	2.5	2.5 U	2.5 U
MW-05	10/1/2013	1.3	2.5	1 U	1 U
MW-05	9/18/2014	1 U	1.9	1 U	1 U
MW-05	9/16/2015	1 U	1.9	1 U	1 U
MW-05	10/6/2016	1 U	2	1 U	1 U
MW-05	10/25/2017	0.88 J	1.8 F2	1 U	1 U
MW-05	10/4/2018	1.2	2.1	1 U	1 U
MW-05	10/22/2019	1 U	1.8	1 U	1 U
MW-06	1/17/1996	---	5 U	5 U	---
MW-06	4/10/1996	---	5 U	5 U	---
MW-06	7/16/1996	5 U	5 U	5 U	5 U
MW-06	10/22/1996	2 U	2 U	2 U	2 U
MW-06	1/16/1997	1 U	1 U	1 U	1 U
MW-06	4/15/1997	1 U	1 U	1 U	1 U
MW-06	10/23/1997	1 U	1 U	1 U	1 U
MW-06	4/15/1998	5 U	5 U	5 U	5 U
MW-06	10/20/1998	2 U	2 U	2 U	2 U
MW-06	4/29/1999	2 U	2 U	2 U	2 U
MW-06	10/19/1999	2 U	2 U	2 U	2 U
MW-06	4/6/2000	1 U	1 U	1 U	1 U
MW-06	11/8/2000	1 U	1 U	1 U	1 U
MW-06	7/3/2001	2 U	2 U	2 U	2 U
MW-06	11/9/2001	2 U	2 U	2 U	2 U
MW-06	10/10/2002	2 U	2 U	2 U	2 U
MW-06	12/8/2003	5 U	5 U	5 U	5 U
MW-06	1/2/2007	2.5 U	2.5 U	2.5 U	2.5 U
MW-06	11/29/2007	**0.65**	0.5 U	0.5 U	0.5 U
MW-06	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-06	11/20/2009	0.5 U	0.5 U	0.5 U	0.5 U
MW-06	11/23/2010	1 U	1 U	1 U	1 U
MW-06	11/29/2011	2.5 U	2.5 U	2.5 U	2.5 U
MW-06	11/28/2012	1.25 U	1.25 U	1.25 U	1.25 U
MW-06	10/1/2013	1 U	1 U	1 U	1 U
MW-06	9/18/2014	1U	1 U	1 U	1 U
MW-06	9/16/2015	1 U	1 U	1 U	1 U
MW-06	10/6/2016	1 U	1 U	1 U	1 U
MW-06	10/25/2017	1 U	0.21 J	1 U	1 U
MW-06	10/4/2018	1 U	1 U	1 U	1 U
MW-06	10/22/2019	1 U	1 U	1 U	1 U
MW-07	10/21/1996	1 U	1 U	1 U	1 U
MW-07	10/22/1997	1 U	1 U	1 U	1 U
MW-07	10/20/1998	1 U	1 U	1 U	1 U
MW-07	10/19/1999	1 U	1 U	1 U	1 U
MW-07	11/9/2001	1 U	1 U	1 U	1 U
MW-08	10/22/1996	1 U	1 U	1 U	1 U
MW-08	10/21/1998	1 U	1 U	1 U	1 U
MW-08	10/19/1999	1 U	1 U	1 U	1 U
MW-08	11/7/2000	1 U	1 U	1 U	1 U

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-08	11/8/2001	1 U	1 U	1 U	1 U
MW-09	1/17/1996	---	5 U	5 U	---
MW-09	4/10/1996	---	1 U	1 U	---
MW-09	7/16/1996	1 U	1 U	1 U	1 U
MW-09	10/21/1996	1 U	1 U	1 U	1 U
MW-09	1/16/1997	5 U	5 U	5 U	5 U
MW-09	4/15/1997	2 U	2 U	2 U	2 U
MW-09	7/8/1997	5 U	5 U	5 U	5 U
MW-09	10/22/1997	5 U	5 U	5 U	5 U
MW-09	1/29/1998	5 U	5 U	5 U	5 U
MW-09	4/15/1998	5 U	5 U	5 U	5 U
MW-09	10/20/1998	2 U	2 U	2 U	2 U
MW-09	4/29/1999	2 U	2 U	2 U	2 U
MW-09	10/19/1999	5 U	5 U	5 U	5 U
MW-09	4/6/2000	2 U	2 U	2 U	2 U
MW-09	11/8/2000	2 U	2 U	2 U	2 U
MW-09	7/3/2001	2 U	2 U	2 U	2 U
MW-09	11/10/2001	2 U	2 U	2 U	2 U
MW-09	10/11/2002	2 U	2 U	2 U	2 U
MW-09	12/8/2003	2 U	2 U	2 U	2 U
MW-09	11/9/2005	2.50 U	2.50 U	2.50 U	2.50 U
MW-09	1/2/2007	2.5 U	2.5 U	2.5 U	2.5 U
MW-09	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-09	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-09	11/20/2009	2.5 U	2.5 U	2.5 U	2.5 U
MW-09	11/17/2010	2.5 U	2.5 U	2.5 U	2.5 U
MW-09	11/29/2011	2.5 U	2.5 U	2.5 U	2.5 U
MW-09	11/28/2012	1.25 U	1.25 U	1.25 U	1.25 U
MW-09	10/1/2013	1 U	1 U	1 U	1 U
MW-09	9/18/2014	1 U	1 U	1 U	1 U
MW-09	9/16/2015	1 U	1 U	1 U	1 U
MW-09	10/6/2016	1 U	1 U	1 U	1 U
MW-09	10/25/2017	1 U	1 U	1 U	1 U
MW-09	10/4/2018	1 U	1 U	1 U	1 U
MW-09	10/22/2019	1 U	1 U	1 U	1 U
MW-10	1/17/1996	---	20 U	20 U	---
MW-10	4/10/1996	---	50 U	50 U	---
MW-10	7/16/1996	50 U	50 U	50 U	50 U
MW-10	10/22/1996	50 U	50 U	50 U	50 U
MW-10	1/16/1997	100 U	100 U	100 U	100 U
MW-10	4/16/1997	100 U	100 U	100 U	100 U
MW-10	10/23/1997	50 U	50 U	50 U	50 U
MW-10	4/15/1998	50 U	50 U	50 U	50 U
MW-10	10/21/1998	50 U	50 U	50 U	50 U
MW-10	4/29/1999	25 U	25 U	25 U	25 U
MW-10	10/20/1999	25 U	25 U	25 U	25 U
MW-10	4/6/2000	20 U	20 U	20 U	20 U
MW-10	11/8/2000	20 U	20 U	20 U	20 U
MW-10	7/3/2001	20 U	20 U	20 U	20 U
MW-10	11/10/2001	20 U	20 U	20 U	20 U
MW-10	4/3/2002	20 U	20 U	20 U	20 U
MW-10	10/10/2002	20 U	20 U	20 U	20 U
MW-10	5/1/2003	20 U	20 U	20 U	20 U
MW-10	12/8/2003	20 U	20 U	20 U	20 U
MW-10	7/19/2004	10 U	10 U	10 U	10 U
MW-10	4/8/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-10	4/21/2006	10 U	10 U	10 U	10 U
MW-10	2/7/2007	10 U	10 U	10 U	10 U
MW-10	5/31/2007	10 U	10 U	10 U	10 U
MW-10	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-10	5/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-10	11/1/2008	5 U	5 U	5 U	5 U
MW-10	4/22/2009	10 U	10 U	10 U	10 U
MW-10	11/20/2009	10 U	10 U	10 U	10 U
MW-10	4/30/2010	10 U	10 U	10 U	10 U
MW-10	11/17/2010	10 U	10 U	10 U	10 U
MW-10	5/12/2011	10 U	10 U	10 U	10 U
MW-10	11/29/2011	10 U	10 U	10 U	10 U
MW-10	5/22/2012	5 U	5 U	5 U	5 U
MW-10	11/28/2012	1 U	1 U	1 U	1 U
MW-10	4/18/2013	25 U	25 U	25 U	25 U
MW-10	10/1/2013	1 U	1 U	1 U	1 U

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-10	4/16/2014	1 U	1 U	1 U	1 U
MW-10	9/18/2014	1 U	1 U	1 U	1 U
MW-10	3/31/2015	1 U	1 U	1 U	1 U
MW-10	9/16/2015	1 U	1 U	1 U	1 U
MW-10	3/22/2016	2 U	2 U*	2 U	2 U
MW-10	10/6/2016	5 U	5 U	5 U	5 U
MW-10	4/26/2017	1 U	1 U	1 U	1 U
MW-10	10/25/2017	1 U	1 U	1 U	1 U
MW-10	4/24/2018	1 U	1 U	1 U	1 U
MW-10	10/4/2018	2 U	2 U	2 U	2 U
MW-10	5/1/2019	2 U	2 U	2 U	2 U
MW-10	10/22/2019	2 U	2 U	2 U	2 U
MW-11	1/17/1996	---	100 U	100 U	---
MW-11	4/10/1996	---	100 U	100 U	---
MW-11	7/16/1996	100 U	100 U	100 U	100 U
MW-11	10/22/1996	100 U	100 U	100 U	100 U
MW-11	1/16/1997	100 U	100 U	100 U	100 U
MW-11	4/15/1997	50 U	50 U	50 U	50 U
MW-11	10/23/1997	50 U	50 U	50 U	50 U
MW-11	4/15/1998	50 U	50 U	50 U	50 U
MW-11	10/21/1998	50 U	50 U	50 U	50 U
MW-11	4/29/1999	50 U	50 U	50 U	50 U
MW-11	10/19/1999	25 U	25 U	25 U	25 U
MW-11	4/6/2000	20 U	20 U	20 U	20 U
MW-11	11/9/2000	20 U	20 U	20 U	20 U
MW-11	7/3/2001	20 U	20 U	20 U	20 U
MW-11	11/9/2001	20 U	20 U	20 U	20 U
MW-11	4/3/2002	20 U	20 U	20 U	20 U
MW-11	10/10/2002	20 U	20 U	20 U	20 U
MW-11	5/1/2003	20 U	20 U	20 U	20 U
MW-11	12/8/2003	50 U	50 U	50 U	50 U
MW-11	7/19/2004	10 U	10 U	10 U	10 U
MW-11	4/8/2005	**1.1**	**0.50 J**	0.50 U	0.50 U
MW-11	4/21/2006	10 U	10 U	10 U	10 U
MW-11	2/7/2007	5 U	5 U	5 U	5 U
MW-11	5/31/2007	5 U	5 U	5 U	5 U
MW-11	11/29/2007	**1.2**	0.5 U	0.5 U	0.5 U
MW-11	5/1/2008	0.65	0.5 U	0.5 U	0.5 U
MW-11	11/1/2008	10 U	10 U	10 U	10 U
MW-11	4/22/2009	10 U	10 U	10 U	10 U
MW-11	11/20/2009	10 U	10 U	10 U	10 U
MW-11	4/30/2010	10 U	10 U	10 U	10 U
MW-11	11/17/2010	10 U	10 U	10 U	10 U
MW-11	5/21/2011	10 U	10 U	10 U	10 U
MW-11	11/29/2011	10 U	10 U	10 U	10 U
MW-11	5/22/2012	25 U	25 U	25 U	25 U
MW-11	11/28/2012	25 U	25 U	25 U	25 U
MW-11	4/18/2013	25 U	25 U	25 U	25 U
MW-11	10/1/2013	1.1	1 U	1 U	1 U
MW-11	4/16/2014	1	1 U	1 U	1 U
MW-11	9/18/2014	5 U	5 U	5 U	5 U
MW-11	3/31/2015	5 U	5 U	5 U	5 U
MW-11	9/16/2015	10 U	10 U	10 U	10 U
MW-11	3/22/2016	10 U	10 U*	10 U	10 U
MW-11	10/6/2016	10 U	10 U	10 U	10U
MW-11	4/26/2017	0.5 J	1 U	1 U	1 U
MW-11	10/25/2017	0.33 J	1 U	1 U	1 U
MW-11	4/24/2018	1 U	1 U	1 U	1 U
MW-11	10/4/2018	8 U	8 U	8 U	8 U
MW-11	5/1/2019	8 U	8 U	8 U	8 U
MW-11	10/22/2019	8 U	8 U	8 U	8 U
MW-12	10/21/1996	1 U	1 U	1 U	1 U
MW-12	10/22/1997	1 U	1 U	1 U	1 U
MW-12	10/20/1998	1 U	1 U	1 U	1 U
MW-12	10/19/1999	1 U	1 U	1 U	1 U
MW-12	11/8/2000	1 U	1 U	1 U	1 U
MW-12	11/9/2001	1 U	1 U	1 U	1 U
MW-12	10/10/2002	1 U	1 U	**2**	1 U
MW-12	12/8/2003	1 U	1 U	1 U	1 U
MW-12	12/28/2004	0.50 U	0.50 U	0.50 U	0.50 U
MW-12	11/9/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-12	1/2/2007	0.5 U	0.5 U	0.5 U	0.5 U

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-12	5/31/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/20/2009	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/17/2010	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/28/2012	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	10/1/2013	1 U	1 U	1 U	1 U
MW-12	9/18/2014	1 U	1 U	1 U	1 U
MW-12	9/16/2015	1 U	1 U	1 U	1 U
MW-12	10/6/2016	1 U	1 U	1 U	1 U
MW-12	10/25/2017	1 U	1 U	1 U	1 U
MW-12	10/4/2018	1 U	1 U	1 U	1 U
MW-12	10/22/2019	1 U	1 U	1 U	1 U
MW-13	10/24/1996	10 U	10 U	10 U	10 U
MW-13	10/23/1997	50 U	50 U	50 U	50 U
MW-13	10/21/1998	25 U	25 U	25 U	25 U
MW-13	10/20/1999	20 U	20 U	20 U	20 U
MW-13	11/9/2000	20 U	20 U	20 U	20 U
MW-13	11/8/2001	20 U	20 U	20 U	20 U
MW-13	6/11/2002	20 U	20 U	20 U	20 U
MW-13	10/11/2002	20 U	20 U	20 U	20 U
MW-13	4/8/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-13	4/21/2006	5 U	5 U	5 U	5 U
MW-13	2/7/2007	5 U	5 U	5 U	5 U
MW-13	5/31/2007	5 U	5 U	5 U	5 U
MW-13	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-13	5/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-13	11/1/2008	NS	NS	NS	NS
MW-13	4/30/2010	5 U	5 U	5 U	5 U
MW-13	11/17/2010	5 U	5 U	5 U	5 U
MW-13	11/29/2011	5 U	5 U	5 U	5 U
MW-13	5/22/2012	5 U	5 U	5 U	5 U
MW-13	11/28/2012	5 U	5 U	5 U	5 U
MW-13	4/18/2013	5 U	5 U	5 U	5 U
MW-13	10/1/2013	1 U	1 U	1 U	1 U
MW-13	4/16/2014	1 U	1 U	1 U	1 U
MW-13	9/18/2014	4 U	4 U	4 U	4 U
MW-13	3/31/2015	4 U	4 U	4 U	4 U
MW-13	9/16/2015	4 U	4 U	4 U	4 U
MW-13	3/22/2016	4 U	4 U*	4 U	4 U
MW-13	10/6/2016	4 U	4 U	4 U	4 U
MW-13	4/27/2017	1 U	1 U	1 U	1 U
MW-13	10/25/2017	1 U	1 U	1 U	1 U
MW-13	4/24/2018	1 U	1 U	1 U	1 U
MW-13	10/4/2018	4 U	4 U	4 U	4 U
MW-13	10/22/2019	4 U	4 U	4 U	4 U
MW-14	1/17/1996	---	5 U	5 U	---
MW-14	4/10/1996	---	5 U	5 U	---
MW-14	7/16/1996	10 U	10 U	10 U	10 U
MW-14	10/22/1996	5 U	5 U	5 U	5 U
MW-14	1/16/1997	10 U	10 U	10 U	10 U
MW-14	4/16/1997	10 U	10 U	10 U	10 U
MW-14	7/8/1997	10 U	10 U	10 U	10 U
MW-14	10/23/1997	10 U	10 U	10 U	10 U
MW-14	1/29/1998	10 U	10 U	10 U	10 U
MW-14	4/15/1998	10 U	10 U	10 U	10 U
MW-14	10/21/1998	10 U	10 U	10 U	10 U
MW-14	4/29/1999	10 U	10 U	10 U	10 U
MW-14	10/20/1999	10 U	10 U	10 U	10 U
MW-14	4/6/2000	5 U	5 U	5 U	5 U
MW-14	11/8/2000	5 U	5 U	5 U	5 U
MW-14	7/3/2001	5 U	5 U	5 U	5 U
MW-14	11/8/2001	5 U	5 U	5 U	5 U
MW-14	10/11/2002	5 U	5 U	5 U	5 U
MW-14	5/1/2003	5 U	5 U	5 U	5 U
MW-14	12/8/2003	10 U	10 U	10 U	10 U
MW-14	12/28/2004	5.0 U	5.0 U	5.0 U	5.0 U
MW-14	11/9/2005	5.00 U	5.00 U	5.00 U	5.00 U
MW-14	1/2/2007	5 U	5 U	5 U	5 U
MW-14	11/29/2007	**0.94**	0.5 U	0.5 U	0.5 U
MW-14	11/1/2008	1	0.5 U	0.5 U	0.5 U

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-14	11/20/2009	12.5 U	12.5 U	12.5 U	12.5 U
MW-14	11/17/2010	10 U	10 U	10 U	10 U
MW-14	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-14	11/28/2012	2.5 U	2.5 U	2.5 U	2.5 U
MW-14	10/1/2013	**200**	0.49 J	1 U	0.93 J
MW-14	9/18/2014	4 U	4 U	4 U	4 U
MW-14	9/16/2015	4 U	4 U	4 U	4 U
MW-14	10/6/2016	4 U	4 U	4 U	4 U
MW-14	10/25/2017	0.48 J	1 U	1 U	1 U
MW-14	10/4/2018	5 U	5 U	5 U	5 U
MW-14	10/22/2019	5 U	5 U	5 U	5 U
MW-15	10/22/1996	1 U	1 U	1 U	1 U
MW-15	10/22/1997	1 U	1 U	1 U	1 U
MW-15	10/21/1998	1 U	1 U	1 U	1 U
MW-15	10/19/1999	1 U	1 U	1 U	1 U
MW-15	11/9/2000	1 U	1 U	1 U	1 U
MW-15	11/8/2001	1 U	1 U	1 U	1 U
MW-15	10/11/2002	1 U	1 U	1 U	1 U
MW-15	12/8/2003	1 U	1 U	1 U	1 U
MW-15	12/28/2004	0.50 U	0.50 U	0.50 U	0.50 U
MW-15	11/9/2005	**2.19**	0.50 U	0.50 U	0.50 U
MW-15	1/2/2007	**1.8**	0.5 U	0.5 U	0.5 U
MW-15	11/29/2007	**1.7**	0.5 U	0.5 U	0.5 U
MW-15	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-15	11/20/2009	0.71	0.5 U	0.5 U	0.5 U
MW-15	11/17/2010	0.5 U	0.5 U	0.5 U	0.5 U
MW-15	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-15	11/28/2012	0.5 U	0.5 U	0.5 U	0.5 U
MW-15	10/1/2013	1 U	1 U	1 U	1 U
MW-15	9/18/2014	1 U	1 U	1 U	1 U
MW-15	9/16/2015	1 U	1 U	1 U	1 U
MW-15	10/6/2016	1 U	1 U	1 U	1 U
MW-15	10/25/2017	1 U	1 U	1 U	1 U
MW-15	10/4/2018	1 U	1 U	1 U	1 U
MW-15	10/22/2019	1 U	1 U	1 U	1 U
MW-16	10/22/1996	1 U	1 U	1 U	1 U
MW-16	10/22/1997	1 U	1 U	1 U	1 U
MW-16	10/21/1998	1 U	1 U	1 U	1 U
MW-16	10/19/1999	1 U	1 U	1 U	1 U
MW-16	11/9/2000	1 U	1 U	1 U	1 U
MW-16	11/8/2001	1 U	1 U	1 U	1 U
MW-16	10/11/2002	1 U	1 U	1 U	1 U
MW-16	12/8/2003	1 U	1 U	1 U	1 U
MW-16	12/28/2004	0.50 U	0.50 U	0.50 U	0.50 U
MW-16	11/9/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-16	1/2/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/20/2009	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/17/2010	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/28/2012	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	10/1/2013	1 U	1 U	1 U	1 U
MW-16	9/18/2014	1 U	1 U	1 U	1 U
MW-16	9/16/2015	1 U	1 U	1 U	1 U
MW-16	10/6/2016	1 U	1 U	1 U	1 U
MW-16	10/25/0217	1 U	1 U	1 U	1 U
MW-16	10/4/2018	1 U	1 U	1 U	1 U
MW-16	10/22/2019	1 U	1 U	1 U	1 U
MW-17	1/17/1996	---	5 U	5 U	---
MW-17	4/10/1996	---	**20**	5 U	---
MW-17	7/16/1996	10 U	10 U	10 U	10 U
MW-17	10/22/1996	**7**	**12**	5 U	5 U
MW-17	1/16/1997	10 U	**22**	10 U	10 U
MW-17	4/15/1997	10 U	**15**	10 U	10 U
MW-17	7/8/1997	10 U	**18**	10 U	10 U
MW-17	1/29/1998	10 U	**12**	10 U	10 U

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-17	4/15/1998	50 U	50 U	50 U	50 U
MW-17	10/20/1998	10 U	**17**	10 U	10 U
MW-17	4/29/1999	10 U	**23**	10 U	10 U
MW-17	10/19/1999	10 U	10 U	10 U	10 U
MW-17	4/6/2000	10 U	10 U	10 U	10 U
MW-17	11/9/2000	**15**	**7**	5 U	5 U
MW-17	7/3/2001	**10**	**7**	5 U	5 U
MW-17	11/10/2001	**10**	**8**	5 U	5 U
MW-17	10/11/2002	**22**	5 U	5 U	5 U
MW-17	12/8/2003	10 U	10 U	10 U	10 U
MW-17	12/28/2004	**5.1**	**11**	5.0 U	5.0 U
MW-17	11/9/2005	**17.9**	**9.5**	2.50 U	2.50 U
MW-17	1/2/2007	**9.45**	**10.2**	2.5 U	2.5 U
MW-17	11/29/2007	**22**	**6.9**	0.5 U	0.5 U
MW-17	11/1/2008	**21.7**	**5.06**	0.5 U	0.5 U
MW-17	11/20/2009	**11.6**	**6.1**	5 U	5 U
MW-17	11/17/2010	2.4	**6.18**	1.25 U	1.25 U
MW-17	11/29/2011	**20.2**	**19.7**	5 U	5 U
MW-17	11/28/2012	**10.7**	**5.25**	2.5 U	2.5 U
MW-17	10/1/2013	**31**	**8.1**	1 U	1 U
MW-17	9/18/2014	**24**	**4.9J**	5 U	5 U
MW-17	9/16/2015	**16**	**5.9**	1 U	1 U
MW-17	10/6/2016	**18**	**5.2**	5 U	5 U
MW-17	10/25/2017	**29**	**4.4**	1 U	0.68 J
MW-17	10/4/2018	**23**	**4.1 J**	5 U	5 U
MW-17	10/22/2019	**29**	**4.3 J**	5 U	5 U
MW-18	5/29/1996	50 U	50 U	50 U	50 U
MW-18	10/22/1996	**81**	50 U	50 U	50 U
MW-18	1/16/1997	100 U	100 U	100 U	100 U
MW-18	4/16/1997	10 U	10 U	10 U	10 U
MW-18	7/8/1997	**66**	50 U	50 U	50 U
MW-18	10/23/1997	100 U	100 U	100 U	100 U
MW-18	1/29/1998	50 U	50 U	50 U	50 U
MW-18	4/16/1998	50 U	50 U	50 U	50 U
MW-18	10/21/1998	**160**	100 U	100 U	100 U
MW-18	4/29/1999	**37**	25 U	25 U	25 U
MW-18	10/19/1999	100 U	100 U	100 U	100 U
MW-18	4/6/2000	**14**	10 U	10 U	10 U
MW-18	11/9/2000	**100**	50 U	50 U	50 U
MW-18	7/3/2001	50 U	50 U	50 U	50 U
MW-18	11/10/2001	**120**	50 U	50 U	50 U
MW-18	4/4/2002	10 U	10 U	10 U	10 U
MW-18	10/15/2002	**310**	50 U	50 U	50 U
MW-18	5/1/2003	**130**	50 U	50 U	50 U
MW-18	12/8/2003	100 U	100 U	100 U	100 U
MW-18	7/19/2004	**140**	50 U	50 U	50 U
MW-18	4/8/2005	**120**	**0.51**	0.50 U	**0.86**
MW-18	4/21/2006	**127**	25 U	25 U	25 U
MW-18	2/7/2007	**68.5**	12.5 U	12.5 U	12.5 U
MW-18	5/31/2007	**136**	12.5 U	12.5 U	12.5 U
MW-18	11/29/2007	**190**	**0.51**	0.5 U	**0.86**
MW-18	5/1/2008	**108**	0.5 U	0.5 U	**0.81**
MW-18	11/1/2008	**148**	25 U	25 U	25 U
MW-18	04/22/2009	**79.5**	25 U	25 U	25 U
MW-18	11/20/2009	**125**	25 U	25 U	25 U
MW-18	04/30/2010	**38.5**	25 U	25 U	25 U
MW-18	11/17/2010	**99**	25 U	25 U	25 U
MW-18	5/21/2011	**73.5**	25 U	25 U	25 U
MW-18	11/29/2011	**109**	25 U	25 U	25 U
MW-18	5/22/2012	**74**	25 U	25 U	25 U
MW-18	11/28/2012	**144**	25 U	25 U	25 U
MW-18	4/18/2013	**70.5**	25 U	25 U	25 U
MW-18	10/1/2013	**210**	0.42 J	1 U	0.9 J

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-18	4/16/2014	**76**	1 U	1.0 U	1 U
MW-18	9/18/2014	**270**	1 U	10 U	1 U
MW-18	3/31/2015	**210**	10 U	10 U	10 U
MW-18	9/16/2015	**430 F1**	10 U	10 U	10 U
MW-18	3/22/2016	**360**	25 U*	25 U	25 U
MW-18	10/6/2016	**500**	20 U	20 U	20 U
MW-18	4/27/2017	**180**	5 U	5 U	5U
MW-18	10/25/2017	**300**	5 U	5 U	**6.1**
MW-18	4/24/2018	**340**	20 U*	20 U	20 U
MW-18	10/4/2018	**510**	20 U	20 U	20 U
MW-18	5/1/2019	**290**	20 U	20 U	20 U
MW-18	10/22/2019	**440**	20 U	20 U	20 U
MW-20	5/24/1996	**46**	1 U	1 U	1 U
MW-21	1/21/1997	**650**	100 U	100 U	100 U
MW-21	4/16/1997	**630**	50 U	50 U	50 U
MW-21	7/8/1997	**770**	50 U	50 U	50 U
MW-21	10/23/1997	**800**	50 U	50 U	50 U
MW-21	1/29/1998	**350**	10 U	10 U	10 U
MW-21	4/16/1998	**1400**	50 U	50 U	50 U
MW-21	10/21/1998	**340**	50 U	50 U	50 U
MW-21	4/29/1999	**2100**	100 U	100 U	100 U
MW-21	10/19/1999	**670**	20 U	20 U	20 U
MW-21	4/6/2000	**140**	5 U	5 U	5 U
MW-21	11/7/2000	**220**	5 U	5 U	5 U
MW-21	7/3/2001	**130**	5 U	5 U	5 U
MW-21	11/10/2001	**240**	5 U	5 U	5 U
MW-21	12/8/2003	**32**	1 U	1 U	1 U
MW-21	12/28/2004	**2.8**	0.50 U	0.50 U	0.50 U
MW-21	11/9/2005	**20**	0.50 U	0.50 U	0.50 U
MW-21	1/2/2007	**15.4**	0.5 U	0.5 U	0.5 U
MW-21	11/29/2007	**25**	0.5 U	0.5 U	0.5 U
MW-21	11/1/2008	**45.2**	0.5 U	0.5 U	0.5 U
MW-21	11/20/2009	**40.7**	1 U	1 U	1 U
MW-21	11/17/2010	**22.6**	1 U	1 U	1 U
MW-21	11/29/2011	**18.8**	0.5 U	0.5 U	0.5 U
MW-21	11/28/2012	**71**	2.5 U	2.5 U	2.5 U
MW-21	10/1/2013	**28**	1 U	1 U	1 U
MW-21	9/18/2014	**30**	1 U	1 U	1 U
MW-21	9/16/2015	40	1 U	1 U	1 U
MW-21	10/6/2016	**48**	1 U	1 U	1 U
MW-21	10/25/2017	**48**	1 U	1 U	1.3
MW-21	10/4/2018	**43**	1 U	1 U	1 U
MW-21	10/22/2019	**38**	1 U	1 U	1 U
MW-22	1/21/1997	**5**	1 U	1 U	1 U
MW-22	4/16/1997	**4**	1 U	1 U	1 U
MW-22	7/8/1997	**9**	1 U	1 U	1 U
MW-22	10/23/1997	**22**	1 U	1 U	1 U
MW-22	1/29/1998	**11**	1 U	1 U	1 U
MW-22	4/16/1998	**22**	1 U	1 U	1 U
MW-22	10/21/1998	**35**	1 U	1 U	1 U
MW-22	4/29/1999	**24**	1 U	1 U	1 U
MW-22	10/19/1999	**28**	1 U	1 U	1 U
MW-22	4/6/2000	**26**	1 U	1 U	1 U
MW-22	11/9/2000	**29**	1 U	1 U	1 U
MW-22	7/3/2001	**37**	1 U	1 U	1 U
MW-22	11/10/2001	**36**	1 U	1 U	1 U
MW-22	10/11/2002	**51**	1 U	1 U	1 U
MW-22	12/8/2003	**52**	2 U	2 U	2 U
MW-22	12/28/2004	**47**	1.0 U	1.0 U	**1.1**
MW-22	11/9/2005	**56.3**	1.00 U	1.00 U	1.00 U
MW-22	1/2/2007	**38.4**	1 U	1 U	1 U
MW-22	11/29/2007	**37**	0.5 U	0.5 U	**0.77**
MW-22	11/1/2008	**31.2**	0.5 U	0.5 U	**0.92**

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-22	11/20/2009	**30.6**	1 U	1 U	1 U
MW-22	11/17/2010	**30.5**	1 U	1 U	1 U
MW-22	11/29/2011	**33.4**	0.5 U	0.5 U	**1.16**
MW-22	11/28/2012	**37.2**	1 U	1 U	**1.24**
MW-22	10/1/2013	**48**	1 U	1 U	**2.4**
MW-22	9/18/2014	**53**	1 U	1 U	**5**
MW-22	9/16/2015	**54**	1 U	1 U	**5.2**
MW-22	10/6/2016	**30**	1 U	1 U	**2.5**
MW-22	10/25/2017	**18**	1 U	1 U	**1.1**
MW-22	10/4/2018	**19**	1 U	1 U	**1.5**
MW-22	10/22/2019	**5.6**	1 U	1 U	1 U
MW-23	4/15/1997	1 U	1 U	1 U	1 U
MW-23	7/8/1997	1 U	1 U	1 U	1 U
MW-23	10/22/1997	1 U	1 U	1 U	1 U
MW-23	1/29/1998	1 U	1 U	1 U	1 U
MW-23	10/21/1998	1 U	1 U	1 U	1 U
MW-23	10/19/1999	1 U	1 U	1 U	1 U
MW-23	11/7/2000	1 U	1 U	1 U	1 U
MW-23	11/8/2001	1 U	1 U	1 U	1 U
MW-24	11/9/1998	**2600**	200 U	200 U	200 U
MW-24	4/29/1999	**1600**	100 U	100 U	100 U
MW-24	10/19/1999	**3000**	100 U	100 U	100 U
MW-24	4/6/2000	**250**	20 U	20 U	20 U
MW-24	11/7/2000	**1200**	50 U	50 U	50 U
MW-24	7/3/2001	**400**	50 U	50 U	50 U
MW-24	11/10/2001	**2100**	50 U	50 U	50 U
MW-24	6/11/2002	**680**	50 U	50 U	50 U
MW-24	5/1/2003	**410**	10 U	10 U	10 U
MW-24	12/8/2003	**81**	10 U	10 U	10 U
MW-24	7/19/2004	**680**	10 U	10 U	10 U
MW-24	12/28/2004	**69**	5.0 U	5.0 U	5.0 U
MW-24	4/8/2005	**44**	2.0 U	2.0 U	2.0 U
MW-24	11/9/2005	**75.6**	2.50 U	2.50 U	2.50 U
MW-24	4/21/2006	**180**	2.5 U	2.5 U	2.5 U
MW-24	1/2/2007	**5.15**	2.5 U	2.5 U	2.5 U
MW-24	5/31/2007	**45.7**	2.5 U	2.5 U	2.5 U
MW-24	11/29/2007	**42**	0.5 U	0.5 U	0.5 U
MW-24	5/1/2008	**8.21**	0.5 U	0.5 U	0.5 U
MW-24	11/1/2008	**51.9**	5 U	5 U	5 U
MW-24	04/22/2009	**8.1**	5 U	5 U	5 U
MW-24	04/30/2010	**11**	2.5 U	2.5 U	2.5 U
MW-24	11/17/2010	**212**	2.5 U	2.5 U	2.5 U
MW-24	5/21/2011	**492**	5 U	5 U	5 U
MW-24	11/29/2011	**43.3**	5 U	5 U	5 U
MW-24	5/22/2012	**36.9**	5 U	5 U	5 U
MW-24	11/28/2012	**111**	25 U	25 U	25 U
MW-24	4/18/2013	**43**	25 U	25 U	25 U
MW-24	10/1/2013	**150**	1 U	1 U	1.9
MW-24	4/16/2014	**89**	1 U	1 U	1.2
MW-24	9/18/2014	**110**	5 U	5 U	5 U
MW-24	3/31/2015	**14**	5 U	5 U	5 U
MW-24	9/16/2015	**150**	5 U	5 U	5 U
MW-24	3/22/2016	**34**	5 U*	5 U	5 U
MW-24	10/6/2016	**65**	5 U	5 U	5 U
MW-24	4/26/2017	**31**	1 U	1 U	1U
MW-24	10/25/2017	**60**	1 U	1 U	**1.7**
MW-24	4/24/2018	**18**	5 U	5 U	5 U
MW-24	10/4/2018	**60**	5 U	5 U	5 U
MW-24	5/1/2019	**6.2**	5 U	5 U	5 U
MW-24	10/22/2019	**63**	5 U	5 U	5 U
PZ-01	10/21/1996	1 U	1 U	1 U	1 U
PZ-01	10/23/1997	1 U	1 U	1 U	1 U
PZ-01	10/20/1998	2 U	2 U	2 U	2 U

Table 4
Former Accurate Die Casting Site
Fayetteville, New York
Other Detected Volatile Organic Compounds

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
PZ-01	10/19/1999	10 U	10 U	10 U	10 U
PZ-01	11/7/2000	1 U	1 U	1 U	1 U
PZ-01	11/9/2001	2 U	2 U	2 U	2 U
PZ-01	10/10/2002	2 U	2 U	2 U	2 U
PZ-01	12/8/2003	5 U	5 U	5 U	5 U
PZ-01	12/28/2004	2.5 U	2.5 U	2.5 U	2.5 U
PZ-01	11/9/2005	2.50 U	2.50 U	2.50 U	2.50 U
PZ-01	1/2/2007	2.5 U	2.5 U	2.5 U	2.5 U
PZ-01	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
PZ-01	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
PZ-01	11/20/2009	0.5 U	0.5 U	0.5 U	0.5 U
PZ-01	11/17/2010	1 U	1 U	1 U	1 U
PZ-01	11/29/2011	2.5 U	2.5 U	2.5 U	2.5 U
PZ-01	11/28/2012	2.5 U	2.5 U	2.5 U	2.5 U
PZ-01	10/1/2013	1 U	1 U	1 U	1 U
PZ-01	9/18/2014	1 U	1 U	1 U	1 U
PZ-01	9/16/2015	1 U	1 U	1 U	1 U
PZ-01	10/6/0216	1 U	1 U	1 U	1 U
PZ-01	10/25/2017	1 U	1 U	1 U	1 U
PZ-01	10/4/2018	1 U	1 U	1 U	1 U
PZ-01	10/22/2019	1 U	1 U	1 U	1 U
PZ-02	10/21/1996	10 U	10 U	10 U	10 U
PZ-02	10/23/1997	10 U	10 U	10 U	10 U
PZ-02	10/20/1998	10 U	10 U	10 U	10 U
PZ-02	10/19/1999	1 U	1 U	1 U	1 U
PZ-02	11/9/2000	5 U	5 U	5 U	5 U
PZ-02	11/10/2001	5 U	5 U	5 U	5 U
PZ-02	10/11/2002	5 U	5 U	5 U	5 U
PZ-02	12/8/2003	5 U	5 U	5 U	5 U
PZ-02	12/28/2004	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/9/2005	2.50 U	2.50 U	2.50 U	2.50 U
PZ-02	1/2/2007	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/29/2007	**1.1**	**0.51**	0.5 U	0.5 U
PZ-02	11/1/2008	**1**	0.5 U	0.5 U	0.5 U
PZ-02	11/20/2009	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/17/2010	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/29/2011	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/28/2012	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	10//1/2013	1 U	**0.57 J**	1 U	1 U
PZ-02	9/18/2014	1 U	**0.47 J**	1 U	1 U
PZ-02	9/16/2015	1 U	**0.49 J**	1 U	1 U
PZ-02	10/6/2016	1 U	**0.48 J**	1 U	1 U
PZ-02	10/25/2017	**0.51 J**	**0.50 J**	1 U	1 U
PZ-02	10/4/2018	1 U	**0.46 J**	1 U	1 U
PZ-02	10/22/2019	1 U	**0.51 J**	1 U	1 U

Notes: U - Not detected, NS - Not sampled, --- - Not Analyzed, Detects in BOLD, * - LCS or LCSD outside limits
MW-04, MW-20 were abandoned and replaced by MW-21, MW-22 on 1/20/97.

ATTACHMENT A

EFFLUENT MONITORING LABORATORY REPORTS

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 480-160443-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. David J Carnevale

Authorized for release by:
10/17/2019 10:51:58 AM
Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-160443-1
Project/Site: Former Accurate Die Cast

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Case Narrative

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

Job ID: 480-160443-1

Job ID: 480-160443-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-160443-1

Comments
No additional comments.

Receipt
The samples were received on 10/8/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-497642 recovered outside acceptance criteria, low biased, for 1,1,2,2-Tetrachloroethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

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

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

Detection Summary

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

Job ID: 480-160443-1

Client Sample ID: EFFLUENT 100719 — Lab Sample ID: 480-160443-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	22.0		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Total Dissolved Solids	1520		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 100719 — Lab Sample ID: 480-160443-2

No Detections.

Client Sample ID: EFFLUENT 100719 — Lab Sample ID: 480-160443-3

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-160443-1

Client Sample ID: EFFLUENT 100719

Lab Sample ID: 480-160443-1

Date Collected: 10/07/19 07:20

Matrix: Water

Date Received: 10/08/19 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1520**		10.0	4.0	mg/L			10/11/19 10:11	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**22.0**		4.0	4.0	mg/L			10/14/19 09:50	1

Client Sample ID: BETWEEN CARBONS 100719

Lab Sample ID: 480-160443-2

Date Collected: 10/07/19 07:20

Matrix: Water

Date Received: 10/08/19 08:00

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			10/13/19 01:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/13/19 01:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/13/19 01:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/13/19 01:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/13/19 01:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/13/19 01:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/19 01:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/13/19 01:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/13/19 01:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/19 01:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/13/19 01:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/13/19 01:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/19 01:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/19 01:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/19 01:59	1
2-Hexanone	ND		5.0	1.2	ug/L			10/13/19 01:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/13/19 01:59	1
Acetone	ND		10	3.0	ug/L			10/13/19 01:59	1
Benzene	ND		1.0	0.41	ug/L			10/13/19 01:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/13/19 01:59	1
Bromoform	ND		1.0	0.26	ug/L			10/13/19 01:59	1
Bromomethane	ND		1.0	0.69	ug/L			10/13/19 01:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/13/19 01:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/13/19 01:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/13/19 01:59	1
Chloroethane	ND		1.0	0.32	ug/L			10/13/19 01:59	1
Chloroform	ND		1.0	0.34	ug/L			10/13/19 01:59	1
Chloromethane	ND		1.0	0.35	ug/L			10/13/19 01:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/13/19 01:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/13/19 01:59	1
Cyclohexane	ND		1.0	0.18	ug/L			10/13/19 01:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/13/19 01:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/13/19 01:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/13/19 01:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/13/19 01:59	1
Methyl acetate	ND		2.5	1.3	ug/L			10/13/19 01:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/19 01:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/13/19 01:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/13/19 01:59	1
Styrene	ND		1.0	0.73	ug/L			10/13/19 01:59	1

Client Sample ID: BETWEEN CARBONS 100719

Lab Sample ID: 480-160443-2

Date Collected: 10/07/19 07:20

Matrix: Water

Date Received: 10/08/19 08:00

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			10/13/19 01:59	1
Toluene	ND		1.0	0.51	ug/L			10/13/19 01:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/13/19 01:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/13/19 01:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/13/19 01:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/13/19 01:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/19 01:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/13/19 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*10/13/19 01:59*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/13/19 01:59*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/13/19 01:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/13/19 01:59*	*1*

Client Sample ID: EFFLUENT 100719

Lab Sample ID: 480-160443-3

Date Collected: 10/07/19 07:20

Matrix: Water

Date Received: 10/08/19 08:00

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			10/13/19 02:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/13/19 02:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/13/19 02:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/13/19 02:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/13/19 02:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/13/19 02:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/13/19 02:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/13/19 02:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/13/19 02:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/13/19 02:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/13/19 02:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/13/19 02:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/13/19 02:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/13/19 02:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/13/19 02:23	1
2-Hexanone	ND		5.0	1.2	ug/L			10/13/19 02:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/13/19 02:23	1
Acetone	ND		10	3.0	ug/L			10/13/19 02:23	1
Benzene	ND		1.0	0.41	ug/L			10/13/19 02:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/13/19 02:23	1
Bromoform	ND		1.0	0.26	ug/L			10/13/19 02:23	1
Bromomethane	ND		1.0	0.69	ug/L			10/13/19 02:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/13/19 02:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/13/19 02:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/13/19 02:23	1
Chloroethane	ND		1.0	0.32	ug/L			10/13/19 02:23	1
Chloroform	ND		1.0	0.34	ug/L			10/13/19 02:23	1
Chloromethane	ND		1.0	0.35	ug/L			10/13/19 02:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/13/19 02:23	1

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

Job ID: 480-160443-1

Client Sample ID: EFFLUENT 100719
Date Collected: 10/07/19 07:20
Date Received: 10/08/19 08:00

Lab Sample ID: 480-160443-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/13/19 02:23	1
Cyclohexane	ND		1.0	0.18	ug/L			10/13/19 02:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/13/19 02:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/13/19 02:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/13/19 02:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/13/19 02:23	1
Methyl acetate	ND		2.5	1.3	ug/L			10/13/19 02:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/13/19 02:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/13/19 02:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/13/19 02:23	1
Styrene	ND		1.0	0.73	ug/L			10/13/19 02:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/13/19 02:23	1
Toluene	ND		1.0	0.51	ug/L			10/13/19 02:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/13/19 02:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/13/19 02:23	1
Trichloroethene	ND		1.0	0.46	ug/L			10/13/19 02:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/13/19 02:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/13/19 02:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/13/19 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*10/13/19 02:23*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/13/19 02:23*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/13/19 02:23*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/13/19 02:23*	*1*

Surrogate Summary

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

Job ID: 480-160443-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-160443-2	BETWEEN CARBONS 100719	113	99	106	100
480-160443-3	EFFLUENT 100719	114	103	109	104
LCS 480-497642/5	Lab Control Sample	113	109	109	108
MB 480-497642/7	Method Blank	110	102	105	103

Surrogate Legend

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

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

Lab Sample ID: MB 480-497642/7
Matrix: Water
Analysis Batch: 497642

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/12/19 21:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/12/19 21:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/12/19 21:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/12/19 21:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/12/19 21:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/12/19 21:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/12/19 21:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/12/19 21:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/12/19 21:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/12/19 21:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/12/19 21:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/12/19 21:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/12/19 21:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/12/19 21:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/12/19 21:57	1
2-Hexanone	ND		5.0	1.2	ug/L			10/12/19 21:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/12/19 21:57	1
Acetone	ND		10	3.0	ug/L			10/12/19 21:57	1
Benzene	ND		1.0	0.41	ug/L			10/12/19 21:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/12/19 21:57	1
Bromoform	ND		1.0	0.26	ug/L			10/12/19 21:57	1
Bromomethane	ND		1.0	0.69	ug/L			10/12/19 21:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/12/19 21:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/12/19 21:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/12/19 21:57	1
Chloroethane	ND		1.0	0.32	ug/L			10/12/19 21:57	1
Chloroform	ND		1.0	0.34	ug/L			10/12/19 21:57	1
Chloromethane	ND		1.0	0.35	ug/L			10/12/19 21:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/12/19 21:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/12/19 21:57	1
Cyclohexane	ND		1.0	0.18	ug/L			10/12/19 21:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/12/19 21:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/12/19 21:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/12/19 21:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/12/19 21:57	1
Methyl acetate	ND		2.5	1.3	ug/L			10/12/19 21:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/12/19 21:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/12/19 21:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/12/19 21:57	1
Styrene	ND		1.0	0.73	ug/L			10/12/19 21:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/12/19 21:57	1
Toluene	ND		1.0	0.51	ug/L			10/12/19 21:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/12/19 21:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/12/19 21:57	1
Trichloroethene	ND		1.0	0.46	ug/L			10/12/19 21:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/12/19 21:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/12/19 21:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/12/19 21:57	1

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

Lab Sample ID: MB 480-497642/7
Matrix: Water
Analysis Batch: 497642

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/12/19 21:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/12/19 21:57*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/12/19 21:57*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/12/19 21:57*	*1*

Lab Sample ID: LCS 480-497642/5
Matrix: Water
Analysis Batch: 497642

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	25.8		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.8		ug/L		91	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.8		ug/L		103	61 - 148
1,1,2-Trichloroethane	25.0	22.8		ug/L		91	76 - 122
1,1-Dichloroethane	25.0	26.3		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	24.9		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.0		ug/L		80	56 - 134
1,2-Dibromoethane	25.0	23.4		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	25.9		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	26.4		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	25.8		ug/L		103	77 - 120
1,4-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 120
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
2-Hexanone	125	126		ug/L		101	65 - 127
4-Methyl-2-pentanone (MIBK)	125	122		ug/L		98	71 - 125
Acetone	125	123		ug/L		98	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromodichloromethane	25.0	25.7		ug/L		103	80 - 122
Bromoform	25.0	23.0		ug/L		92	61 - 132
Bromomethane	25.0	23.4		ug/L		94	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	26.7		ug/L		107	72 - 134
Chlorobenzene	25.0	25.6		ug/L		102	80 - 120
Chloroethane	25.0	24.8		ug/L		99	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	24.5		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		94	74 - 124
Cyclohexane	25.0	26.6		ug/L		106	59 - 135
Dibromochloromethane	25.0	24.8		ug/L		99	75 - 125
Dichlorodifluoromethane	25.0	15.4		ug/L		61	59 - 135
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
Isopropylbenzene	25.0	26.6		ug/L		107	77 - 122
Methyl acetate	50.0	47.9		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	24.5		ug/L		98	77 - 120
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134

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

Lab Sample ID: LCS 480-497642/5
Matrix: Water
Analysis Batch: 497642

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	26.2		ug/L		105	75 - 124
Styrene	25.0	26.1		ug/L		104	80 - 120
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	80 - 120
Trichloroethene	25.0	25.9		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	25.2		ug/L		101	62 - 150
Vinyl chloride	25.0	22.9		ug/L		92	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*
Toluene-d8 (Surr)	*108*		*80 - 120*

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

Lab Sample ID: MB 480-497840/1
Matrix: Water
Analysis Batch: 497840

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			10/14/19 09:50	1

Lab Sample ID: LCS 480-497840/2
Matrix: Water
Analysis Batch: 497840

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	270	263.6		mg/L		98	88 - 110

Lab Sample ID: 480-160443-1 DU
Matrix: Water
Analysis Batch: 497840

Client Sample ID: EFFLUENT 100719
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	22.0		ND		mg/L		NC	10

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-497432/1
Matrix: Water
Analysis Batch: 497432

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			10/11/19 10:11	1

Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: LCS 480-497432/2
Matrix: Water
Analysis Batch: 497432

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			500	486.1		mg/L		97	85 - 115		

Lab Sample ID: 480-160443-1 DU
Matrix: Water
Analysis Batch: 497432

Client Sample ID: EFFLUENT 100719
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1520			1481		mg/L				3	10

QC Association Summary

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

Job ID: 480-160443-1

GC/MS VOA

Analysis Batch: 497642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160443-2	BETWEEN CARBONS 100719	Total/NA	Water	8260C	
480-160443-3	EFFLUENT 100719	Total/NA	Water	8260C	
MB 480-497642/7	Method Blank	Total/NA	Water	8260C	
LCS 480-497642/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 497432

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160443-1	EFFLUENT 100719	Total/NA	Water	SM2540 C	
MB 480-497432/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-497432/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-160443-1 DU	EFFLUENT 100719	Total/NA	Water	SM2540 C	

Analysis Batch: 497840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160443-1	EFFLUENT 100719	Total/NA	Water	SM 2540D	
MB 480-497840/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-497840/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-160443-1 DU	EFFLUENT 100719	Total/NA	Water	SM 2540D	

Lab Chronicle

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

Job ID: 480-160443-1

Client Sample ID: EFFLUENT 100719

Lab Sample ID: 480-160443-1

Date Collected: 10/07/19 07:20
Matrix: Water
Date Received: 10/08/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	497840	10/14/19 09:50	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	497432	10/11/19 10:11	ZFM	TAL BUF

Client Sample ID: BETWEEN CARBONS 100719

Lab Sample ID: 480-160443-2

Date Collected: 10/07/19 07:20
Matrix: Water
Date Received: 10/08/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	497642	10/13/19 01:59	OMI	TAL BUF

Client Sample ID: EFFLUENT 100719

Lab Sample ID: 480-160443-3

Date Collected: 10/07/19 07:20
Matrix: Water
Date Received: 10/08/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	497642	10/13/19 02:23	OMI	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
Job ID: 480-160443-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-160443-1

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: 480-160443-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-160443-1	EFFLUENT 100719	Water	10/07/19 07:20	10/08/19 08:00	
480-160443-2	BETWEEN CARBONS 100719	Water	10/07/19 07:20	10/08/19 08:00	
480-160443-3	EFFLUENT 100719	Water	10/07/19 07:20	10/08/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Syracuse

Client Information	Sampler: MARTIN Koennecke	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-122342-10588.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested	Preservation Codes:
City: East Syracuse	TAT Requested (days):		A - HCL, B - NaOH, 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)
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		Other:

480-160443 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=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 conta	Special Instructions/Note:
			Preservation Code:				N	N	A		
Effluent 100719	10-7-19	7:20	C	Water			1	1		2	
Between Carbons 100719	10-7-19	7:20	G	Water					3	3	
Effluent 100719	10-7-19	7:20	G	water					3	3	

10/7/19 AP

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	10-7-19 / 11:20	OBG		10/7/19 11:20	FASVL
Relinquished by: RELEASED	Date/Time: 10-7-19, 19:00	Company SYR	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 10/8/19 8:40	Company TDG

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-160443-1

Login Number: 160443

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Harper, Marcus 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	
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.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-160891-1
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:
11/5/2019 11:30:40 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

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

Job ID: 480-160891-1

Qualifiers

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-160891-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-160891-1

Comments
No additional comments.

Receipt
The sample was received on 10/16/2019 8:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

General Chemistry
Method SM 2540C: Reanalysis of the following sample was performed outside of the analytical holding time for confirmation of non-historical results. Results did not confirm, only the out of holding results are reported : EFFLUENT 101419 (480-160891-1).

Method SM 2540C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: EFFLUENT 101419 (480-160891-1). The reporting limits (RLs) have been adjusted proportionately.

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

Detection Summary

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

Job ID: 480-160891-1

Client Sample ID: EFFLUENT 101419

Lab Sample ID: 480-160891-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	640	H	20.0	8.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Job ID: 480-160891-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 101419
Lab Sample ID: 480-160891-1
Date Collected: 10/14/19 07:00
Matrix: Water
Date Received: 10/16/19 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**640**	**H**	20.0	8.0	mg/L			10/26/19 12:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/21/19 13:53	1

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

Lab Sample ID: MB 480-499250/1
Matrix: Water
Analysis Batch: 499250

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			10/21/19 13:53	1

Lab Sample ID: LCS 480-499250/2
Matrix: Water
Analysis Batch: 499250

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	262	253.6		mg/L		97	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-500450/1
Matrix: Water
Analysis Batch: 500450

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			10/26/19 12:53	1

Lab Sample ID: LCS 480-500450/2
Matrix: Water
Analysis Batch: 500450

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	511	506.0		mg/L		99	85 - 115

QC Association Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-160891-1
Project/Site: Former Accurate Die Cast

General Chemistry

Analysis Batch: 499250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160891-1	EFFLUENT 101419	Total/NA	Water	SM 2540D	
MB 480-499250/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-499250/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 500450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-160891-1	EFFLUENT 101419	Total/NA	Water	SM2540 C	
MB 480-500450/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-500450/2	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: 480-160891-1

Client Sample ID: EFFLUENT 101419

Date Collected: 10/14/19 07:00
Date Received: 10/16/19 08:00

Lab Sample ID: 480-160891-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	499250	10/21/19 13:53	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	500450	10/26/19 12:53	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
Job ID: 480-160891-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-160891-1

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: 480-160891-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-160891-1	EFFLUENT 101419	Water	10/14/19 07:00	10/16/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Syracuse

480-160891 Chain of Custody

Client Information	Sampler: MARTIN Koennecke	Lab PM: Schove, John R	
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com	
Company: O'Brien & Gere Inc of North America		Analysis	
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:		
City: East Syracuse	TAT Requested (days):		
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 101419	10-14-19	7:00	C	Water			1	1	2	

RE 10-14-19

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by: Martin Koennecke	10-14-19 / 9:45	OBG	Received by: RE 10/14/19	10-14-19, 0945	Eya
Relinquished by: RE	10-14-19, 19:00	Eya	Received by: [illegible]	10/16/19 0800	TMS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.4 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-160891-1

Login Number: 160891
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.	False	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-161403-1
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:
11/1/2019 9:34:19 AM
Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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

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

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

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-161403-1
Project/Site: Former Accurate Die Cast

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-161403-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-161403-1

Comments
No additional comments.

Receipt
The samples were received on 10/22/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

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

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

Detection Summary

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

Job ID: 480-161403-1

Client Sample ID: EFFLUENT 102119 — Lab Sample ID: 480-161403-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	8.4		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Total Dissolved Solids	564		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 102119 — Lab Sample ID: 480-161403-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 102119
Lab Sample ID: 480-161403-1
Date Collected: 10/21/19 07:10
Matrix: Water
Date Received: 10/22/19 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	564		10.0	4.0	mg/L			10/24/19 11:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	8.4		4.0	4.0	mg/L			10/24/19 13:05	1

Client Sample ID: EFFLUENT 102119
Lab Sample ID: 480-161403-2
Date Collected: 10/21/19 07:10
Matrix: Water
Date Received: 10/22/19 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			10/27/19 17:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/19 17:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 17:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 17:28	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 17:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 17:28	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/19 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/27/19 17:28*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/27/19 17:28*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/27/19 17:28*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/27/19 17:28*	*1*

Surrogate Summary

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

Job ID: 480-161403-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-161403-2	EFFLUENT 102119	102	91	95	109
LCS 480-500535/6	Lab Control Sample	95	90	97	96
MB 480-500535/9	Method Blank	102	91	93	109

Surrogate Legend

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

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

Lab Sample ID: MB 480-500535/9
Matrix: Water
Analysis Batch: 500535

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 13:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/19 13:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 13:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 13:23	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 13:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 13:23	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/19 13:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/27/19 13:23*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/27/19 13:23*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/27/19 13:23*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/27/19 13:23*	*1*

Lab Sample ID: LCS 480-500535/6
Matrix: Water
Analysis Batch: 500535

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	76 - 120
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
Methylene Chloride	25.0	24.0		ug/L		96	75 - 124
Tetrachloroethene	25.0	22.6		ug/L		90	74 - 122
Toluene	25.0	23.0		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	22.7		ug/L		91	73 - 127
Trichloroethene	25.0	23.3		ug/L		93	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

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

Lab Sample ID: MB 480-500001/1
Matrix: Water
Analysis Batch: 500001

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			10/24/19 13:05	1

Lab Sample ID: LCS 480-500001/2
Matrix: Water
Analysis Batch: 500001

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	262	258.0		mg/L		98	88 - 110

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

Job ID: 480-161403-1

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

Lab Sample ID: 480-161403-1 DU
Matrix: Water
Analysis Batch: 500001

Client Sample ID: EFFLUENT 102119
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Solids	8.4			8.80		mg/L				5	10

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-499984/1
Matrix: Water
Analysis Batch: 499984

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			10/24/19 11:54	1

Lab Sample ID: LCS 480-499984/2
Matrix: Water
Analysis Batch: 499984

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			511	514.0		mg/L		101	85 - 115		

QC Association Summary

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

Job ID: 480-161403-1

GC/MS VOA

Analysis Batch: 500535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-161403-2	EFFLUENT 102119	Total/NA	Water	8260C	
MB 480-500535/9	Method Blank	Total/NA	Water	8260C	
LCS 480-500535/6	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 499984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-161403-1	EFFLUENT 102119	Total/NA	Water	SM2540 C	
MB 480-499984/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-499984/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 500001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-161403-1	EFFLUENT 102119	Total/NA	Water	SM 2540D	
MB 480-500001/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-500001/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-161403-1 DU	EFFLUENT 102119	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-161403-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 102119
Lab Sample ID: 480-161403-1
Date Collected: 10/21/19 07:10
Matrix: Water
Date Received: 10/22/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	500001	10/24/19 13:05	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	499984	10/24/19 11:54	CSS	TAL BUF

Client Sample ID: EFFLUENT 102119
Lab Sample ID: 480-161403-2
Date Collected: 10/21/19 07:10
Matrix: Water
Date Received: 10/22/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500535	10/27/19 17:28	BTP	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
Job ID: 480-161403-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-161403-1

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: 480-161403-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-161403-1	EFFLUENT 102119	Water	10/21/19 07:10	10/22/19 08:00	
480-161403-2	EFFLUENT 102119	Water	10/21/19 07:10	10/22/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Syracuse

Client Information	Sampler: Martin Koennecke	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-122356-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America		Analysis Requested		Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			Preservation Codes:
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

480-161403 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=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:
				Preservation Code:	X	X	N	N	A	X	
Effluent 102119	10-21-19	7:10	C	Water			1	1		2	
EffluenT 102119	10-21-19	7:10	G	water					3	3	

10/21/19 AV

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Martin Koennecke	Date/Time: 10-21-19/12:30	Company: OBG	Received by: [illegible]	Date/Time: 10-21-19 1230	Company: TASYR
Relinquished by: [illegible]	Date/Time: 10-21-19, 19:00	Company: [illegible]	Received by: [illegible]	Date/Time: 10/22/19 0800	Company: TAB
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.8

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-161403-1

Login Number: 161403

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Manhardt, Kara M

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-161737-1
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:
11/8/2019 10:04:06 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-161737-1
Project/Site: Former Accurate Die Cast

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-161737-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-161737-1

Comments
No additional comments.

Receipt
The sample was received on 10/29/2019 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

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

Detection Summary

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

Job ID: 480-161737-1

Client Sample ID: EFFLUENT 102819

Lab Sample ID: 480-161737-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	703		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Job ID: 480-161737-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 102819
Lab Sample ID: 480-161737-1
Date Collected: 10/28/19 07:00
Matrix: Water
Date Received: 10/29/19 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**703**		10.0	4.0	mg/L			11/01/19 16:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/31/19 12:29	1

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

Job ID: 480-161737-1

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

Lab Sample ID: MB 480-501499/1
Matrix: Water
Analysis Batch: 501499

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			10/31/19 12:29	1

Lab Sample ID: LCS 480-501499/2
Matrix: Water
Analysis Batch: 501499

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	259	254.8		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-501834/1
Matrix: Water
Analysis Batch: 501834

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/01/19 16:50	1

Lab Sample ID: LCS 480-501834/2
Matrix: Water
Analysis Batch: 501834

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	504.0		mg/L		101	85 - 115

QC Association Summary

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

Job ID: 480-161737-1

General Chemistry

Analysis Batch: 501499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-161737-1	EFFLUENT 102819	Total/NA	Water	SM 2540D	
MB 480-501499/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-501499/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 501834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-161737-1	EFFLUENT 102819	Total/NA	Water	SM2540 C	
MB 480-501834/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-501834/2	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: 480-161737-1

Client Sample ID: EFFLUENT 102819
Date Collected: 10/28/19 07:00
Date Received: 10/29/19 09:00

Lab Sample ID: 480-161737-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	501499	10/31/19 12:29	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	501834	11/01/19 16:50	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
Job ID: 480-161737-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-161737-1

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: 480-161737-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-161737-1	EFFLUENT 102819	Water	10/28/19 07:00	10/29/19 09:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Syracuse #225

Client Information	Sampler: MARTin Koennecke	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-122382-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP 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	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 102819	10-28-19	7:00	C	Water			1	1	2	

AP 10/28/19

480-161737 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Martin Koennecke	10-28-19 / 14:30	OBG		10/28/19 1430	TAEYL
2	RELINQUISHED	10-28-19, 19:00			10/29/19 0900	TA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.6 #1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-161737-1

Login Number: 161737

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-162441-1
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:
11/25/2019 11:52:58 AM
Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

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

Job ID: 480-162441-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-162441-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-162441-1

Comments
No additional comments.

Receipt
The samples were received on 11/9/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

GC/MS VOA
Method 8260C: The method blank for analytical batch 480-504537 contained Methylene Chloride above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated sample(s) was not re-extracted and/or re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL.

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

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

Detection Summary

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

Job ID: 480-162441-1

Client Sample ID: EFFLUENT 110819 — Lab Sample ID: 480-162441-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	568		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 110819 — Lab Sample ID: 480-162441-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.8		1.0	0.81	ug/L	1		8260C	Total/NA
Methylene Chloride	1.2	B	1.0	0.44	ug/L	1		8260C	Total/NA
Trichloroethene	0.70	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 110819 — Lab Sample ID: 480-162441-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.1	B	1.0	0.44	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 110819

Lab Sample ID: 480-162441-1
Date Collected: 11/08/19 07:20
Matrix: Water
Date Received: 11/09/19 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**568**		10.0	4.0	mg/L			11/14/19 13:57	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/15/19 15:13	1

Client Sample ID: BETWEEN CARBONS 110819

Lab Sample ID: 480-162441-2
Date Collected: 11/08/19 07:20
Matrix: Water
Date Received: 11/09/19 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			11/14/19 17:51	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.81	ug/L			11/14/19 17:51	1
Methylene Chloride	**1.2**	**B**	1.0	0.44	ug/L			11/14/19 17:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/14/19 17:51	1
Toluene	ND		1.0	0.51	ug/L			11/14/19 17:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/14/19 17:51	1
Trichloroethene	**0.70**	**J**	1.0	0.46	ug/L			11/14/19 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*11/14/19 17:51*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/14/19 17:51*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*11/14/19 17:51*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*11/14/19 17:51*	*1*

Client Sample ID: EFFLUENT 110819

Lab Sample ID: 480-162441-3
Date Collected: 11/08/19 07:20
Matrix: Water
Date Received: 11/09/19 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			11/14/19 18:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/14/19 18:15	1
Methylene Chloride	**1.1**	**B**	1.0	0.44	ug/L			11/14/19 18:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/14/19 18:15	1
Toluene	ND		1.0	0.51	ug/L			11/14/19 18:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/14/19 18:15	1
Trichloroethene	ND		1.0	0.46	ug/L			11/14/19 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*11/14/19 18:15*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/14/19 18:15*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*11/14/19 18:15*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/14/19 18:15*	*1*

Surrogate Summary

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

Job ID: 480-162441-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-162441-2	BETWEEN CARBONS 110819	101	92	90	97
480-162441-3	EFFLUENT 110819	95	92	90	92
LCS 480-504537/5	Lab Control Sample	95	93	90	96
MB 480-504537/15	Method Blank	98	98	94	98

Surrogate Legend

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

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

Lab Sample ID: MB 480-504537/15
Matrix: Water
Analysis Batch: 504537

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/14/19 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/14/19 16:39	1
Methylene Chloride	1.23		1.0	0.44	ug/L			11/14/19 16:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/14/19 16:39	1
Toluene	ND		1.0	0.51	ug/L			11/14/19 16:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/14/19 16:39	1
Trichloroethene	ND		1.0	0.46	ug/L			11/14/19 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*11/14/19 16:39*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/14/19 16:39*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/14/19 16:39*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*11/14/19 16:39*	*1*

Lab Sample ID: LCS 480-504537/5
Matrix: Water
Analysis Batch: 504537

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	21.5		ug/L		86	76 - 120
cis-1,2-Dichloroethene	25.0	22.3		ug/L		89	74 - 124
Methylene Chloride	25.0	27.7		ug/L		111	75 - 124
Tetrachloroethene	25.0	22.1		ug/L		89	74 - 122
Toluene	25.0	21.9		ug/L		87	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
Trichloroethene	25.0	22.0		ug/L		88	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Toluene-d8 (Surr)	*90*		*80 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

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

Lab Sample ID: MB 480-504795/1
Matrix: Water
Analysis Batch: 504795

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/15/19 15:13	1

Lab Sample ID: LCS 480-504795/2
Matrix: Water
Analysis Batch: 504795

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	265	262.4		mg/L		99	88 - 110

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

Job ID: 480-162441-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-504514/1
Matrix: Water
Analysis Batch: 504514

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/14/19 13:57	1

Lab Sample ID: LCS 480-504514/2
Matrix: Water
Analysis Batch: 504514

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	450.0		mg/L		90	85 - 115

QC Association Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-162441-1
Project/Site: Former Accurate Die Cast

GC/MS VOA

Analysis Batch: 504537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162441-2	BETWEEN CARBONS 110819	Total/NA	Water	8260C	
480-162441-3	EFFLUENT 110819	Total/NA	Water	8260C	
MB 480-504537/15	Method Blank	Total/NA	Water	8260C	
LCS 480-504537/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 504514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162441-1	EFFLUENT 110819	Total/NA	Water	SM2540 C	
MB 480-504514/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-504514/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 504795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162441-1	EFFLUENT 110819	Total/NA	Water	SM 2540D	
MB 480-504795/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-504795/2	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: 480-162441-1

Client Sample ID: EFFLUENT 110819

Lab Sample ID: 480-162441-1

Date Collected: 11/08/19 07:20
Matrix: Water
Date Received: 11/09/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	504795	11/15/19 15:13	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	504514	11/14/19 13:57	CSS	TAL BUF

Client Sample ID: BETWEEN CARBONS 110819

Lab Sample ID: 480-162441-2

Date Collected: 11/08/19 07:20
Matrix: Water
Date Received: 11/09/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504537	11/14/19 17:51	S1V	TAL BUF

Client Sample ID: EFFLUENT 110819

Lab Sample ID: 480-162441-3

Date Collected: 11/08/19 07:20
Matrix: Water
Date Received: 11/09/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504537	11/14/19 18:15	S1V	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
Job ID: 480-162441-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-162441-1

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: 480-162441-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-162441-1	EFFLUENT 110819	Water	11/08/19 07:20	11/09/19 08:00	
480-162441-2	BETWEEN CARBONS 110819	Water	11/08/19 07:20	11/09/19 08:00	
480-162441-3	EFFLUENT 110819	Water	11/08/19 07:20	11/09/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Syracuse #225

Client Information	Sampler: MARTIN KOENNECKE	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-122343-10588.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

480-162441 Chain of Custody

Preservation Codes:
HCL; NaOH; Zn Acetate; Nitric Acid; NaHSO4; MeOH; Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=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 Compound	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	N	A	X	
Effluent 110819	11-8-19	7:20	C	Water			1	1		2	
Between Carbons 110819	11-8-19	7:20	G	Water					3	3	
Effluent 110819	11-8-19	7:20	G	Water					3	3	

RE 11-8-19

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Martin Koennecke	Date/Time: 11-8-19 / 9:30	Company: OBG	Received by: [signature]	Date/Time: 11-8-19 9:30	Company: TALS
Relinquished by: R. English	Date/Time: 11-8-19, 19:00	Company: Sya	Received by: Kara Martin	Date/Time: 11-9-19 800	Company: TA/Buf
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.4 #IR

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-162441-1

Login Number: 162441
List Number: 1
Creator: Manhardt, Kara M

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	OB&G
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-162601-1
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:
11/26/2019 2:32:15 PM
Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

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

Job ID: 480-162601-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Case Narrative

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

Job ID: 480-162601-1

Job ID: 480-162601-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-162601-1

Comments
No additional comments.

Receipt
The sample was received on 11/13/2019 8:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5º C.

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

Detection Summary

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

Job ID: 480-162601-1

Client Sample ID: EFFLUENT 111219

Lab Sample ID: 480-162601-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	29.2		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Total Dissolved Solids	719		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 480-162601-1

Client Sample ID: EFFLUENT 111219
Date Collected: 11/12/19 07:15
Date Received: 11/13/19 08:00

Lab Sample ID: 480-162601-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	719		10.0	4.0	mg/L			11/19/19 12:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	29.2		4.0	4.0	mg/L			11/19/19 13:49	1

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

Job ID: 480-162601-1

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

Lab Sample ID: MB 480-505440/1
Matrix: Water
Analysis Batch: 505440

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/19/19 13:49	1

Lab Sample ID: LCS 480-505440/2
Matrix: Water
Analysis Batch: 505440

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	240	227.6		mg/L		95	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-505423/1
Matrix: Water
Analysis Batch: 505423

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/19/19 12:29	1

Lab Sample ID: LCS 480-505423/2
Matrix: Water
Analysis Batch: 505423

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	520.0		mg/L		104	85 - 115

QC Association Summary

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

Job ID: 480-162601-1

General Chemistry

Analysis Batch: 505423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162601-1	EFFLUENT 111219	Total/NA	Water	SM2540 C	
MB 480-505423/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-505423/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 505440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162601-1	EFFLUENT 111219	Total/NA	Water	SM 2540D	
MB 480-505440/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-505440/2	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: 480-162601-1

Client Sample ID: EFFLUENT 111219

Date Collected: 11/12/19 07:15
Date Received: 11/13/19 08:00

Lab Sample ID: 480-162601-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	505440	11/19/19 13:49	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	505423	11/19/19 12:29	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
Job ID: 480-162601-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-162601-1

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: 480-162601-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-162601-1	EFFLUENT 111219	Water	11/12/19 07:15	11/13/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Syracuse

Client Information	Sampler: Martin Koenecke	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-122377-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP 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	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 11/12/19	11-12-19	7:15	C	Water			1	1	2	
11-12-19 RE										

480-162601 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Martin Koenecke	Date/Time: 11-12-19 9:25	Company: OBG	Received by: THS	Date/Time: 11-12-19 9:25	Company
Relinquished by: R. English	Date/Time: 11-12-19, 19:00	Company: SYR	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/13/19 8:00	Company: UAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.5 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-162601-1

Login Number: 162601
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	8YR
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 480-162862-1
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:
11/30/2019 11:49:26 AM
Steve Hartmann, Project Manager I
(413)572-4000
steve.hartmann@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-162862-1
Project/Site: Former Accurate Die Cast

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-162862-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-162862-1

Comments
No additional comments.

Receipt
The samples were received on 11/19/2019 7:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

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

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

Detection Summary

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

Job ID: 480-162862-1

Client Sample ID: EFFLUENT 111819 — Lab Sample ID: 480-162862-1

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

Client Sample ID: EFFLUENT 111819 — Lab Sample ID: 480-162862-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 111819
Lab Sample ID: 480-162862-1

Date Collected: 11/18/19 07:15
Matrix: Water
Date Received: 11/19/19 07:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**686**		10.0	4.0	mg/L			11/21/19 12:11	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		5.0	5.0	mg/L			11/22/19 13:21	1

Client Sample ID: EFFLUENT 111819
Lab Sample ID: 480-162862-2

Date Collected: 11/18/19 07:15
Matrix: Water
Date Received: 11/19/19 07:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/19 16:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/19 16:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/19/19 16:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/19 16:52	1
Toluene	ND		1.0	0.51	ug/L			11/19/19 16:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/19 16:52	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/19 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*11/19/19 16:52*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*11/19/19 16:52*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/19/19 16:52*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*11/19/19 16:52*	*1*

Surrogate Summary

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

Job ID: 480-162862-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-162862-2	EFFLUENT 111819	97	104	102	92
LCS 480-505323/6	Lab Control Sample	100	102	100	97
MB 480-505323/8	Method Blank	100	102	99	100

Surrogate Legend

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

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

Lab Sample ID: MB 480-505323/8
Matrix: Water
Analysis Batch: 505323

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/19/19 11:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/19/19 11:59	1
Methylene Chloride	0.758	J	1.0	0.44	ug/L			11/19/19 11:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/19/19 11:59	1
Toluene	ND		1.0	0.51	ug/L			11/19/19 11:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/19/19 11:59	1
Trichloroethene	ND		1.0	0.46	ug/L			11/19/19 11:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*11/19/19 11:59*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*11/19/19 11:59*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/19/19 11:59*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*11/19/19 11:59*	*1*

Lab Sample ID: LCS 480-505323/6
Matrix: Water
Analysis Batch: 505323

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	76 - 120
cis-1,2-Dichloroethene	25.0	26.0		ug/L		104	74 - 124
Methylene Chloride	25.0	28.2		ug/L		113	75 - 124
Tetrachloroethene	25.0	25.8		ug/L		103	74 - 122
Toluene	25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
Trichloroethene	25.0	25.4		ug/L		101	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

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

Lab Sample ID: MB 480-506234/1
Matrix: Water
Analysis Batch: 506234

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/22/19 13:21	1

Lab Sample ID: LCS 480-506234/2
Matrix: Water
Analysis Batch: 506234

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	268	260.8		mg/L		97	88 - 110

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

Job ID: 480-162862-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-505975/1
Matrix: Water
Analysis Batch: 505975

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/21/19 12:11	1

Lab Sample ID: LCS 480-505975/2
Matrix: Water
Analysis Batch: 505975

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			502	507.0		mg/L		101	85 - 115		

QC Association Summary

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

Job ID: 480-162862-1

GC/MS VOA

Analysis Batch: 505323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162862-2	EFFLUENT 111819	Total/NA	Water	8260C	
MB 480-505323/8	Method Blank	Total/NA	Water	8260C	
LCS 480-505323/6	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 505975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162862-1	EFFLUENT 111819	Total/NA	Water	SM2540 C	
MB 480-505975/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-505975/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 506234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-162862-1	EFFLUENT 111819	Total/NA	Water	SM 2540D	
MB 480-506234/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-506234/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-162862-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 111819
Lab Sample ID: 480-162862-1

Date Collected: 11/18/19 07:15
Matrix: Water
Date Received: 11/19/19 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	506234	11/22/19 13:21	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	505975	11/21/19 12:11	CSS	TAL BUF

Client Sample ID: EFFLUENT 111819
Lab Sample ID: 480-162862-2

Date Collected: 11/18/19 07:15
Matrix: Water
Date Received: 11/19/19 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505323	11/19/19 16:52	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
Job ID: 480-162862-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-162862-1

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: 480-162862-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-162862-1	EFFLUENT 111819	Water	11/18/19 07:15	11/19/19 07:30	
480-162862-2	EFFLUENT 111819	Water	11/18/19 07:15	11/19/19 07:30	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Syracuse #225

Client Information	Sampler: MARTIN Koennecke	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-122358-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America		Analysis Requested		Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

480-162862 Chain of Custody

J - DI Water V - MCAA
K - EDTA W - pH 4-5
L - EDA Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=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:
			Preservation Code:				N	N	A		
Effluent 111819	11-18-19	7:15	C	Water			1	1		2	
Effluent 111819	11-18-19	7:15	G	water					3	3	
RE 11-18-19											

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	11-18-19 / 11:55	OBG	RE 11/18/19	11-18-19, 11:55	Syr.
RE 11/18/19	11-18-19, 19:30	Syr	Candace	11/19/19 0730	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	#1 2.5

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-162862-1

Login Number: 162862

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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-163321-1
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:
12/10/2019 2:40:30 PM
Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

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

Job ID: 480-163321-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-163321-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-163321-1

Comments
No additional comments.

Receipt
The sample was received on 11/26/2019 8:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

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

Detection Summary

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

Job ID: 480-163321-1

Client Sample ID: EFFLUENT 112519

Lab Sample ID: 480-163321-1

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

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Job ID: 480-163321-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 112519
Lab Sample ID: 480-163321-1
Date Collected: 11/25/19 07:10
Matrix: Water
Date Received: 11/26/19 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**796**		10.0	4.0	mg/L			12/02/19 12:13	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/29/19 13:59	1

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

Job ID: 480-163321-1

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

Lab Sample ID: MB 480-507378/1
Matrix: Water
Analysis Batch: 507378

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/29/19 13:59	1

Lab Sample ID: LCS 480-507378/2
Matrix: Water
Analysis Batch: 507378

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	240	240.0		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-507641/1
Matrix: Water
Analysis Batch: 507641

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/02/19 12:13	1

Lab Sample ID: LCS 480-507641/2
Matrix: Water
Analysis Batch: 507641

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	519.0		mg/L		103	85 - 115

QC Association Summary

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

Job ID: 480-163321-1

General Chemistry

Analysis Batch: 507378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163321-1	EFFLUENT 112519	Total/NA	Water	SM 2540D	
MB 480-507378/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-507378/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 507641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163321-1	EFFLUENT 112519	Total/NA	Water	SM2540 C	
MB 480-507641/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-507641/2	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: 480-163321-1

Client Sample ID: EFFLUENT 112519

Date Collected: 11/25/19 07:10
Date Received: 11/26/19 08:00

Lab Sample ID: 480-163321-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	507378	11/29/19 13:59	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	507641	12/02/19 12:13	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
Job ID: 480-163321-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-163321-1

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: 480-163321-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-163321-1	EFFLUENT 112519	Water	11/25/19 07:10	11/26/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing TestAmerica

Syracuse

Client Information	Sampler: Martin Koennecke	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-122385-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-163321 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 112519	11-25-19	7:10	C	Water			1	1	2	

RE 11-25-19

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Martin Koennecke	Date/Time: 11-25-19 / 9:40	Company: OBG	Received by: [illegible] TA Syr	Date/Time: 9:40- 11-25-19	Company:
Relinquished by: [illegible]	Date/Time: 11-25-19, 19:00	Company: [illegible]	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by: [illegible]	Date/Time: 11/26/19 800	Company: [illegible]

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.0 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-163321-1

Login Number: 163321
List Number: 1
Creator: Harper, Marcus D

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-163658-1
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:
12/19/2019 4:59:42 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

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

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

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

Table of Contents

Client: O'Brien & Gere Inc of North America
Job ID: 480-163658-1
Project/Site: Former Accurate Die Cast

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance 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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-163658-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-163658-1

Comments
No additional comments.

Receipt
The samples were received on 12/5/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-508614 recovered above the upper control limit for 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and Chloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: BETWEEN CARBONS 120419 (480-163658-2) and EFFLUENT 120419 (480-163658-4).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-508614 recovered outside control limits for the following analytes: 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and Chloromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: INFLUENT 120419 (480-163658-3), (480-163658-B-3 MS) and (480-163658-B-3 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-508734 recovered above the upper control limit for 2-Hexanone and Dibromochloromethane. The sample(s) associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: INFLUENT 120419 (480-163658-3).

Method 8260C: Due to the high concentration of Trichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-508734 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria. The following samples are impacted: (480-163658-B-3 MS) and (480-163658-B-3 MSD).

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: 480-163658-1

Client Sample ID: EFFLUENT 120419 — Lab Sample ID: 480-163658-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0020	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Suspended Solids	4.0		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Total Dissolved Solids	603		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 120419 — Lab Sample ID: 480-163658-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.4		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	4.0		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: INFLUENT 120419 — Lab Sample ID: 480-163658-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	330	F1	8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: EFFLUENT 120419 — Lab Sample ID: 480-163658-4

No Detections.

Client Sample ID: INFLUENT 120419 — Lab Sample ID: 480-163658-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0026	J	0.010	0.0015	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-163658-1

Client Sample ID: EFFLUENT 120419

Lab Sample ID: 480-163658-1

Date Collected: 12/04/19 07:30
Matrix: Water
Date Received: 12/05/19 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**0.0020**	**J**	0.010	0.0015	mg/L		12/06/19 06:20	12/06/19 17:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/16/19 12:02	12/16/19 15:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**603**		10.0	4.0	mg/L			12/09/19 13:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**4.0**		4.0	4.0	mg/L			12/06/19 16:08	1

Client Sample ID: BETWEEN CARBONS 120419

Lab Sample ID: 480-163658-2

Date Collected: 12/04/19 07:30
Matrix: Water
Date Received: 12/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/19 03:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/19 03:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/19 03:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/19 03:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/19 03:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/19 03:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/19 03:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/19 03:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/19 03:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/19 03:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/19 03:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/19 03:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/19 03:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/19 03:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/19 03:03	1
2-Hexanone	ND	*	5.0	1.2	ug/L			12/07/19 03:03	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/07/19 03:03	1
Acetone	ND		10	3.0	ug/L			12/07/19 03:03	1
Benzene	ND		1.0	0.41	ug/L			12/07/19 03:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/19 03:03	1
Bromoform	ND		1.0	0.26	ug/L			12/07/19 03:03	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/19 03:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/19 03:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/19 03:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/19 03:03	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/19 03:03	1
Chloroform	ND		1.0	0.34	ug/L			12/07/19 03:03	1
Chloromethane	ND	*	1.0	0.35	ug/L			12/07/19 03:03	1
cis-1,2-Dichloroethene	**3.4**		1.0	0.81	ug/L			12/07/19 03:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/19 03:03	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/19 03:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/19 03:03	1

Client Sample ID: BETWEEN CARBONS 120419

Lab Sample ID: 480-163658-2

Date Collected: 12/04/19 07:30

Matrix: Water

Date Received: 12/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/19 03:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/19 03:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/19 03:03	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/19 03:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/19 03:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/19 03:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/19 03:03	1
Styrene	ND		1.0	0.73	ug/L			12/07/19 03:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/19 03:03	1
Toluene	ND		1.0	0.51	ug/L			12/07/19 03:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/19 03:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/19 03:03	1
Trichloroethene	**4.0**		1.0	0.46	ug/L			12/07/19 03:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/19 03:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/19 03:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/19 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*12/07/19 03:03*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/07/19 03:03*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/07/19 03:03*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*12/07/19 03:03*	*1*

Client Sample ID: INFLUENT 120419

Lab Sample ID: 480-163658-3

Date Collected: 12/04/19 07:30

Matrix: Water

Date Received: 12/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			12/09/19 20:01	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			12/09/19 20:01	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			12/09/19 20:01	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			12/09/19 20:01	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			12/09/19 20:01	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			12/09/19 20:01	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			12/09/19 20:01	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			12/09/19 20:01	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			12/09/19 20:01	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			12/09/19 20:01	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			12/09/19 20:01	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			12/09/19 20:01	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			12/09/19 20:01	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			12/09/19 20:01	8
2-Butanone (MEK)	ND		80	11	ug/L			12/09/19 20:01	8
2-Hexanone	ND		40	9.9	ug/L			12/09/19 20:01	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			12/09/19 20:01	8
Acetone	ND		80	24	ug/L			12/09/19 20:01	8
Benzene	ND		8.0	3.3	ug/L			12/09/19 20:01	8
Bromodichloromethane	ND		8.0	3.1	ug/L			12/09/19 20:01	8
Bromoform	ND		8.0	2.1	ug/L			12/09/19 20:01	8

Client Sample ID: INFLUENT 120419

Lab Sample ID: 480-163658-3

Date Collected: 12/04/19 07:30

Matrix: Water

Date Received: 12/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		8.0	5.5	ug/L			12/09/19 20:01	8
Carbon disulfide	ND		8.0	1.5	ug/L			12/09/19 20:01	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			12/09/19 20:01	8
Chlorobenzene	ND		8.0	6.0	ug/L			12/09/19 20:01	8
Chloroethane	ND		8.0	2.6	ug/L			12/09/19 20:01	8
Chloroform	ND		8.0	2.7	ug/L			12/09/19 20:01	8
Chloromethane	ND		8.0	2.8	ug/L			12/09/19 20:01	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			12/09/19 20:01	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			12/09/19 20:01	8
Cyclohexane	ND		8.0	1.4	ug/L			12/09/19 20:01	8
Dibromochloromethane	ND		8.0	2.6	ug/L			12/09/19 20:01	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			12/09/19 20:01	8
Ethylbenzene	ND		8.0	5.9	ug/L			12/09/19 20:01	8
Isopropylbenzene	ND		8.0	6.3	ug/L			12/09/19 20:01	8
Methyl acetate	ND		20	10	ug/L			12/09/19 20:01	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			12/09/19 20:01	8
Methylcyclohexane	ND		8.0	1.3	ug/L			12/09/19 20:01	8
Methylene Chloride	ND		8.0	3.5	ug/L			12/09/19 20:01	8
Styrene	ND		8.0	5.8	ug/L			12/09/19 20:01	8
Tetrachloroethene	ND		8.0	2.9	ug/L			12/09/19 20:01	8
Toluene	ND		8.0	4.1	ug/L			12/09/19 20:01	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			12/09/19 20:01	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			12/09/19 20:01	8
Trichloroethene	**330**	**F1**	8.0	3.7	ug/L			12/09/19 20:01	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			12/09/19 20:01	8
Vinyl chloride	ND		8.0	7.2	ug/L			12/09/19 20:01	8
Xylenes, Total	ND		16	5.3	ug/L			12/09/19 20:01	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/09/19 20:01*	*8*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*12/09/19 20:01*	*8*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*12/09/19 20:01*	*8*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/09/19 20:01*	*8*

Client Sample ID: EFFLUENT 120419

Lab Sample ID: 480-163658-4

Date Collected: 12/04/19 07:30

Matrix: Water

Date Received: 12/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/07/19 03:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/07/19 03:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/07/19 03:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/07/19 03:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/07/19 03:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/07/19 03:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/07/19 03:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/07/19 03:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/07/19 03:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/07/19 03:28	1

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

Job ID: 480-163658-1

Client Sample ID: EFFLUENT 120419
Date Collected: 12/04/19 07:30
Date Received: 12/05/19 08:00

Lab Sample ID: 480-163658-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/07/19 03:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/07/19 03:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/07/19 03:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/07/19 03:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/07/19 03:28	1
2-Hexanone	ND	*	5.0	1.2	ug/L			12/07/19 03:28	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			12/07/19 03:28	1
Acetone	ND		10	3.0	ug/L			12/07/19 03:28	1
Benzene	ND		1.0	0.41	ug/L			12/07/19 03:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/07/19 03:28	1
Bromoform	ND		1.0	0.26	ug/L			12/07/19 03:28	1
Bromomethane	ND		1.0	0.69	ug/L			12/07/19 03:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/07/19 03:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/07/19 03:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/07/19 03:28	1
Chloroethane	ND		1.0	0.32	ug/L			12/07/19 03:28	1
Chloroform	ND		1.0	0.34	ug/L			12/07/19 03:28	1
Chloromethane	ND	*	1.0	0.35	ug/L			12/07/19 03:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/07/19 03:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/07/19 03:28	1
Cyclohexane	ND		1.0	0.18	ug/L			12/07/19 03:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/07/19 03:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/07/19 03:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/07/19 03:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/07/19 03:28	1
Methyl acetate	ND		2.5	1.3	ug/L			12/07/19 03:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/07/19 03:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/07/19 03:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/07/19 03:28	1
Styrene	ND		1.0	0.73	ug/L			12/07/19 03:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/07/19 03:28	1
Toluene	ND		1.0	0.51	ug/L			12/07/19 03:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/07/19 03:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/07/19 03:28	1
Trichloroethene	ND		1.0	0.46	ug/L			12/07/19 03:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/07/19 03:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/07/19 03:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/07/19 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*12/07/19 03:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/07/19 03:28*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/07/19 03:28*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*12/07/19 03:28*	*1*

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

Job ID: 480-163658-1

Client Sample ID: INFLUENT 120419
Date Collected: 12/04/19 07:30
Date Received: 12/05/19 08:00

Lab Sample ID: 480-163658-5
Matrix: Water

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.0026	J	0.010	0.0015	mg/L		12/06/19 06:20	12/06/19 17:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/16/19 12:02	12/16/19 15:49	1

Surrogate Summary

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

Job ID: 480-163658-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-163658-2	BETWEEN CARBONS 120419	108	91	103	104
480-163658-3	INFLUENT 120419	104	91	106	94
480-163658-3 MS	INFLUENT 120419	90	98	95	98
480-163658-3 MSD	INFLUENT 120419	94	98	103	100
480-163658-4	EFFLUENT 120419	114	96	105	108
LCS 480-508614/6	Lab Control Sample	108	98	103	108
LCS 480-508734/5	Lab Control Sample	98	107	109	108
MB 480-508614/8	Method Blank	109	95	102	109
MB 480-508734/7	Method Blank	97	98	99	99

Surrogate Legend

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

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

Job ID: 480-163658-1

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

Lab Sample ID: MB 480-508614/8
Matrix: Water
Analysis Batch: 508614

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/06/19 21:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/06/19 21:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/06/19 21:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/06/19 21:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/06/19 21:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/06/19 21:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/06/19 21:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/06/19 21:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/06/19 21:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/06/19 21:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/06/19 21:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/06/19 21:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/06/19 21:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/06/19 21:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/06/19 21:35	1
2-Hexanone	ND		5.0	1.2	ug/L			12/06/19 21:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/06/19 21:35	1
Acetone	ND		10	3.0	ug/L			12/06/19 21:35	1
Benzene	ND		1.0	0.41	ug/L			12/06/19 21:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/06/19 21:35	1
Bromoform	ND		1.0	0.26	ug/L			12/06/19 21:35	1
Bromomethane	ND		1.0	0.69	ug/L			12/06/19 21:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/06/19 21:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/06/19 21:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/06/19 21:35	1
Chloroethane	ND		1.0	0.32	ug/L			12/06/19 21:35	1
Chloroform	ND		1.0	0.34	ug/L			12/06/19 21:35	1
Chloromethane	ND		1.0	0.35	ug/L			12/06/19 21:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/06/19 21:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/06/19 21:35	1
Cyclohexane	ND		1.0	0.18	ug/L			12/06/19 21:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/06/19 21:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/06/19 21:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/06/19 21:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/06/19 21:35	1
Methyl acetate	ND		2.5	1.3	ug/L			12/06/19 21:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/06/19 21:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/06/19 21:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/06/19 21:35	1
Styrene	ND		1.0	0.73	ug/L			12/06/19 21:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/06/19 21:35	1
Toluene	ND		1.0	0.51	ug/L			12/06/19 21:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/06/19 21:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/06/19 21:35	1
Trichloroethene	ND		1.0	0.46	ug/L			12/06/19 21:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/06/19 21:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/06/19 21:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/06/19 21:35	1

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

Lab Sample ID: MB 480-508614/8
Matrix: Water
Analysis Batch: 508614

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		12/06/19 21:35	1
4-Bromofluorobenzene (Surr)	95		73 - 120		12/06/19 21:35	1
Dibromofluoromethane (Surr)	102		75 - 123		12/06/19 21:35	1
Toluene-d8 (Surr)	109		80 - 120		12/06/19 21:35	1

Lab Sample ID: LCS 480-508614/6
Matrix: Water
Analysis Batch: 508614

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	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.3		ug/L		113	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.6		ug/L		94	61 - 148
1,1,2-Trichloroethane	25.0	28.3		ug/L		113	76 - 122
1,1-Dichloroethane	25.0	27.5		ug/L		110	77 - 120
1,1-Dichloroethene	25.0	24.7		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	23.7		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.3		ug/L		101	56 - 134
1,2-Dibromoethane	25.0	26.1		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	27.8		ug/L		111	75 - 120
1,2-Dichloropropane	25.0	29.4		ug/L		118	76 - 120
1,3-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 120
2-Butanone (MEK)	125	146		ug/L		117	57 - 140
2-Hexanone	125	162	*	ug/L		129	65 - 127
4-Methyl-2-pentanone (MIBK)	125	158	*	ug/L		127	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	25.9		ug/L		104	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	23.6		ug/L		94	61 - 132
Bromomethane	25.0	24.7		ug/L		99	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	25.0	24.4		ug/L		98	72 - 134
Chlorobenzene	25.0	26.4		ug/L		105	80 - 120
Chloroethane	25.0	29.0		ug/L		116	69 - 136
Chloroform	25.0	22.7		ug/L		91	73 - 127
Chloromethane	25.0	32.0	*	ug/L		128	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	27.8		ug/L		111	74 - 124
Cyclohexane	25.0	28.5		ug/L		114	59 - 135
Dibromochloromethane	25.0	26.4		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	24.4		ug/L		98	59 - 135
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
Isopropylbenzene	25.0	27.0		ug/L		108	77 - 122
Methyl acetate	50.0	58.1		ug/L		116	74 - 133
Methyl tert-butyl ether	25.0	25.8		ug/L		103	77 - 120
Methylcyclohexane	25.0	23.5		ug/L		94	68 - 134

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

Lab Sample ID: LCS 480-508614/6
Matrix: Water
Analysis Batch: 508614

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	25.3		ug/L		101	75 - 124
Styrene	25.0	26.1		ug/L		105	80 - 120
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	26.4		ug/L		106	80 - 122
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	28.4		ug/L		114	80 - 120
Trichloroethene	25.0	26.1		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	25.8		ug/L		103	62 - 150
Vinyl chloride	25.0	29.1		ug/L		117	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: MB 480-508734/7
Matrix: Water
Analysis Batch: 508734

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/19 12:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/19 12:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/19 12:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/19 12:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/19 12:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/19 12:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/19 12:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/19 12:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/19 12:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/19 12:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/19 12:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/19 12:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/19 12:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/19 12:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/19 12:09	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/19 12:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/19 12:09	1
Acetone	ND		10	3.0	ug/L			12/09/19 12:09	1
Benzene	ND		1.0	0.41	ug/L			12/09/19 12:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/19 12:09	1
Bromoform	ND		1.0	0.26	ug/L			12/09/19 12:09	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/19 12:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/19 12:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/19 12:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/19 12:09	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/19 12:09	1
Chloroform	ND		1.0	0.34	ug/L			12/09/19 12:09	1

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

Lab Sample ID: MB 480-508734/7
Matrix: Water
Analysis Batch: 508734

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/09/19 12:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/19 12:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/19 12:09	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/19 12:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/19 12:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/19 12:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/19 12:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/19 12:09	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/19 12:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/19 12:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/19 12:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/19 12:09	1
Styrene	ND		1.0	0.73	ug/L			12/09/19 12:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/19 12:09	1
Toluene	ND		1.0	0.51	ug/L			12/09/19 12:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/19 12:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/19 12:09	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/19 12:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/19 12:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/19 12:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/19 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*12/09/19 12:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/09/19 12:09*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*12/09/19 12:09*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/09/19 12:09*	*1*

Lab Sample ID: LCS 480-508734/5
Matrix: Water
Analysis Batch: 508734

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	28.5		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.0		ug/L		112	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	30.1		ug/L		121	61 - 148
1,1,2-Trichloroethane	25.0	26.7		ug/L		107	76 - 122
1,1-Dichloroethane	25.0	26.8		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	29.4		ug/L		118	66 - 127
1,2,4-Trichlorobenzene	25.0	26.3		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	29.9		ug/L		120	56 - 134
1,2-Dibromoethane	25.0	27.1		ug/L		109	77 - 120
1,2-Dichlorobenzene	25.0	27.4		ug/L		109	80 - 124
1,2-Dichloroethane	25.0	22.8		ug/L		91	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	26.4		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 120
2-Butanone (MEK)	125	125		ug/L		100	57 - 140

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

Lab Sample ID: LCS 480-508734/5
Matrix: Water
Analysis Batch: 508734

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	125	131		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		108	71 - 125
Acetone	125	138		ug/L		111	56 - 142
Benzene	25.0	27.6		ug/L		111	71 - 124
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Bromoform	25.0	29.0		ug/L		116	61 - 132
Bromomethane	25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	25.0	31.3		ug/L		125	59 - 134
Carbon tetrachloride	25.0	29.0		ug/L		116	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	80 - 120
Chloroethane	25.0	26.1		ug/L		104	69 - 136
Chloroform	25.0	29.0		ug/L		116	73 - 127
Chloromethane	25.0	24.7		ug/L		99	68 - 124
cis-1,2-Dichloroethene	25.0	27.2		ug/L		109	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	29.5		ug/L		118	59 - 135
Dibromochloromethane	25.0	30.5		ug/L		122	75 - 125
Dichlorodifluoromethane	25.0	24.6		ug/L		98	59 - 135
Ethylbenzene	25.0	27.3		ug/L		109	77 - 123
Isopropylbenzene	25.0	29.2		ug/L		117	77 - 122
Methyl acetate	50.0	52.0		ug/L		104	74 - 133
Methyl tert-butyl ether	25.0	29.4		ug/L		118	77 - 120
Methylcyclohexane	25.0	31.4		ug/L		126	68 - 134
Methylene Chloride	25.0	30.6		ug/L		122	75 - 124
Styrene	25.0	27.7		ug/L		111	80 - 120
Tetrachloroethene	25.0	27.9		ug/L		112	74 - 122
Toluene	25.0	27.7		ug/L		111	80 - 122
trans-1,2-Dichloroethene	25.0	30.2		ug/L		121	73 - 127
trans-1,3-Dichloropropene	25.0	27.5		ug/L		110	80 - 120
Trichloroethene	25.0	26.1		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	27.7		ug/L		111	62 - 150
Vinyl chloride	25.0	27.0		ug/L		108	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: 480-163658-3 MS
Matrix: Water
Analysis Batch: 508734

Client Sample ID: INFLUENT 120419
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		200	182		ug/L		91	73 - 126
1,1,2,2-Tetrachloroethane	ND		200	192		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		200	193		ug/L		97	61 - 148
1,1,2-Trichloroethane	ND		200	184		ug/L		92	76 - 122

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

Lab Sample ID: 480-163658-3 MS
Matrix: Water
Analysis Batch: 508734

Client Sample ID: INFLUENT 120419
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		200	174		ug/L		87	77 - 120
1,1-Dichloroethene	ND		200	185		ug/L		92	66 - 127
1,2,4-Trichlorobenzene	ND		200	167		ug/L		84	79 - 122
1,2-Dibromo-3-Chloropropane	ND		200	184		ug/L		92	56 - 134
1,2-Dibromoethane	ND		200	193		ug/L		96	77 - 120
1,2-Dichlorobenzene	ND		200	182		ug/L		91	80 - 124
1,2-Dichloroethane	ND		200	161		ug/L		80	75 - 120
1,2-Dichloropropane	ND		200	190		ug/L		95	76 - 120
1,3-Dichlorobenzene	ND		200	180		ug/L		90	77 - 120
1,4-Dichlorobenzene	ND		200	183		ug/L		92	78 - 124
2-Butanone (MEK)	ND		1000	950		ug/L		95	57 - 140
2-Hexanone	ND		1000	1000		ug/L		100	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		1000	904		ug/L		90	71 - 125
Acetone	ND		1000	804		ug/L		80	56 - 142
Benzene	ND		200	192		ug/L		96	71 - 124
Bromodichloromethane	ND		200	186		ug/L		93	80 - 122
Bromoform	ND		200	189		ug/L		94	61 - 132
Bromomethane	ND		200	150		ug/L		75	55 - 144
Carbon disulfide	ND		200	197		ug/L		99	59 - 134
Carbon tetrachloride	ND		200	189		ug/L		94	72 - 134
Chlorobenzene	ND		200	180		ug/L		90	80 - 120
Chloroethane	ND		200	164		ug/L		82	69 - 136
Chloroform	ND		200	181		ug/L		91	73 - 127
Chloromethane	ND		200	151		ug/L		75	68 - 124
cis-1,2-Dichloroethene	ND		200	181		ug/L		91	74 - 124
cis-1,3-Dichloropropene	ND		200	194		ug/L		97	74 - 124
Cyclohexane	ND		200	190		ug/L		95	59 - 135
Dibromochloromethane	ND		200	204		ug/L		102	75 - 125
Dichlorodifluoromethane	ND		200	146		ug/L		73	59 - 135
Ethylbenzene	ND		200	184		ug/L		92	77 - 123
Isopropylbenzene	ND		200	197		ug/L		98	77 - 122
Methyl acetate	ND		400	341		ug/L		85	74 - 133
Methyl tert-butyl ether	ND		200	175		ug/L		88	77 - 120
Methylcyclohexane	ND		200	199		ug/L		99	68 - 134
Methylene Chloride	ND		200	195		ug/L		98	75 - 124
Styrene	ND		200	193		ug/L		96	80 - 120
Tetrachloroethene	ND		200	190		ug/L		95	74 - 122
Toluene	ND		200	193		ug/L		97	80 - 122
trans-1,2-Dichloroethene	ND		200	188		ug/L		94	73 - 127
trans-1,3-Dichloropropene	ND		200	192		ug/L		96	80 - 120
Trichloroethene	330	F1	200	444	F1	ug/L		59	74 - 123
Trichlorofluoromethane	ND		200	166		ug/L		83	62 - 150
Vinyl chloride	ND		200	160		ug/L		80	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*75 - 123*

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

Lab Sample ID: 480-163658-3 MS
Matrix: Water
Analysis Batch: 508734

Client Sample ID: INFLUENT 120419
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 480-163658-3 MSD
Matrix: Water
Analysis Batch: 508734

Client Sample ID: INFLUENT 120419
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		200	196		ug/L		98	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		200	203		ug/L		102	76 - 120	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	206		ug/L		103	61 - 148	6	20
1,1,2-Trichloroethane	ND		200	191		ug/L		95	76 - 122	4	15
1,1-Dichloroethane	ND		200	186		ug/L		93	77 - 120	6	20
1,1-Dichloroethene	ND		200	203		ug/L		101	66 - 127	9	16
1,2,4-Trichlorobenzene	ND		200	181		ug/L		91	79 - 122	8	20
1,2-Dibromo-3-Chloropropane	ND		200	205		ug/L		102	56 - 134	11	15
1,2-Dibromoethane	ND		200	189		ug/L		95	77 - 120	2	15
1,2-Dichlorobenzene	ND		200	191		ug/L		95	80 - 124	4	20
1,2-Dichloroethane	ND		200	161		ug/L		81	75 - 120	0	20
1,2-Dichloropropane	ND		200	187		ug/L		94	76 - 120	2	20
1,3-Dichlorobenzene	ND		200	184		ug/L		92	77 - 120	2	20
1,4-Dichlorobenzene	ND		200	182		ug/L		91	78 - 124	1	20
2-Butanone (MEK)	ND		1000	887		ug/L		89	57 - 140	7	20
2-Hexanone	ND		1000	907		ug/L		91	65 - 127	10	15
4-Methyl-2-pentanone (MIBK)	ND		1000	930		ug/L		93	71 - 125	3	35
Acetone	ND		1000	885		ug/L		88	56 - 142	10	15
Benzene	ND		200	197		ug/L		98	71 - 124	2	13
Bromodichloromethane	ND		200	193		ug/L		97	80 - 122	4	15
Bromoform	ND		200	191		ug/L		96	61 - 132	1	15
Bromomethane	ND		200	166		ug/L		83	55 - 144	11	15
Carbon disulfide	ND		200	217		ug/L		108	59 - 134	9	15
Carbon tetrachloride	ND		200	199		ug/L		100	72 - 134	5	15
Chlorobenzene	ND		200	178		ug/L		89	80 - 120	1	25
Chloroethane	ND		200	179		ug/L		89	69 - 136	8	15
Chloroform	ND		200	197		ug/L		98	73 - 127	8	20
Chloromethane	ND		200	166		ug/L		83	68 - 124	10	15
cis-1,2-Dichloroethene	ND		200	196		ug/L		98	74 - 124	8	15
cis-1,3-Dichloropropene	ND		200	187		ug/L		93	74 - 124	4	15
Cyclohexane	ND		200	201		ug/L		101	59 - 135	6	20
Dibromochloromethane	ND		200	204		ug/L		102	75 - 125	0	15
Dichlorodifluoromethane	ND		200	160		ug/L		80	59 - 135	9	20
Ethylbenzene	ND		200	188		ug/L		94	77 - 123	2	15
Isopropylbenzene	ND		200	202		ug/L		101	77 - 122	3	20
Methyl acetate	ND		400	366		ug/L		91	74 - 133	7	20
Methyl tert-butyl ether	ND		200	204		ug/L		102	77 - 120	15	37
Methylcyclohexane	ND		200	208		ug/L		104	68 - 134	4	20
Methylene Chloride	ND		200	219		ug/L		110	75 - 124	12	15
Styrene	ND		200	193		ug/L		96	80 - 120	0	20
Tetrachloroethene	ND		200	189		ug/L		95	74 - 122	0	20

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

Lab Sample ID: 480-163658-3 MSD
Matrix: Water
Analysis Batch: 508734

Client Sample ID: INFLUENT 120419
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		200	194		ug/L		97	80 - 122	0	15
trans-1,2-Dichloroethene	ND		200	206		ug/L		103	73 - 127	9	20
trans-1,3-Dichloropropene	ND		200	188		ug/L		94	80 - 120	2	15
Trichloroethene	330	F1	200	447	F1	ug/L		61	74 - 123	1	16
Trichlorofluoromethane	ND		200	183		ug/L		91	62 - 150	9	20
Vinyl chloride	ND		200	179		ug/L		89	65 - 133	11	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-508382/1-A
Matrix: Water
Analysis Batch: 508788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508382

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		12/06/19 06:20	12/06/19 15:53	1

Lab Sample ID: LCS 480-508382/2-A
Matrix: Water
Analysis Batch: 508788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508382

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.196		mg/L		98	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-510067/1-A
Matrix: Water
Analysis Batch: 510138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 510067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/16/19 12:02	12/16/19 15:18	1

Lab Sample ID: LCS 480-510067/2-A
Matrix: Water
Analysis Batch: 510138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 510067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00713		mg/L		107	80 - 120

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

Job ID: 480-163658-1

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

Lab Sample ID: MB 480-508143/1
Matrix: Water
Analysis Batch: 508143

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/04/19 15:57	1

Lab Sample ID: LCS 480-508143/2
Matrix: Water
Analysis Batch: 508143

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	246	234.8		mg/L		95	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-508855/1
Matrix: Water
Analysis Batch: 508855

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/09/19 13:26	1

Lab Sample ID: LCS 480-508855/2
Matrix: Water
Analysis Batch: 508855

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	467.0		mg/L		93	85 - 115

GC/MS VOA

Analysis Batch: 508614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163658-2	BETWEEN CARBONS 120419	Total/NA	Water	8260C	
480-163658-4	EFFLUENT 120419	Total/NA	Water	8260C	
MB 480-508614/8	Method Blank	Total/NA	Water	8260C	
LCS 480-508614/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 508734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163658-3	INFLUENT 120419	Total/NA	Water	8260C	
MB 480-508734/7	Method Blank	Total/NA	Water	8260C	
LCS 480-508734/5	Lab Control Sample	Total/NA	Water	8260C	
480-163658-3 MS	INFLUENT 120419	Total/NA	Water	8260C	
480-163658-3 MSD	INFLUENT 120419	Total/NA	Water	8260C	

Metals

Prep Batch: 508382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163658-1	EFFLUENT 120419	Total/NA	Water	3005A	
480-163658-5	INFLUENT 120419	Total/NA	Water	3005A	
MB 480-508382/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-508382/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 508788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163658-1	EFFLUENT 120419	Total/NA	Water	6010C	508382
480-163658-5	INFLUENT 120419	Total/NA	Water	6010C	508382
MB 480-508382/1-A	Method Blank	Total/NA	Water	6010C	508382
LCS 480-508382/2-A	Lab Control Sample	Total/NA	Water	6010C	508382

Prep Batch: 510067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163658-1	EFFLUENT 120419	Total/NA	Water	7470A	
480-163658-5	INFLUENT 120419	Total/NA	Water	7470A	
MB 480-510067/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-510067/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 510138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163658-1	EFFLUENT 120419	Total/NA	Water	7470A	510067
480-163658-5	INFLUENT 120419	Total/NA	Water	7470A	510067
MB 480-510067/1-A	Method Blank	Total/NA	Water	7470A	510067
LCS 480-510067/2-A	Lab Control Sample	Total/NA	Water	7470A	510067

General Chemistry

Analysis Batch: 508143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163658-1	EFFLUENT 120419	Total/NA	Water	SM 2540D	
MB 480-508143/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-508143/2	Lab Control Sample	Total/NA	Water	SM 2540D	

QC Association Summary

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

Job ID: 480-163658-1

General Chemistry

Analysis Batch: 508855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163658-1	EFFLUENT 120419	Total/NA	Water	SM2540 C	
MB 480-508855/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-508855/2	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: 480-163658-1

Client Sample ID: EFFLUENT 120419
Lab Sample ID: 480-163658-1
Date Collected: 12/04/19 07:30
Matrix: Water
Date Received: 12/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			508382	12/06/19 06:20	ADM	TAL BUF
Total/NA	Analysis	6010C		1	508788	12/06/19 17:40	AMH	TAL BUF
Total/NA	Prep	7470A			510067	12/16/19 12:02	BMB	TAL BUF
Total/NA	Analysis	7470A		1	510138	12/16/19 15:48	BMB	TAL BUF
Total/NA	Analysis	SM 2540D		1	508143	12/06/19 16:08	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	508855	12/09/19 13:26	CSS	TAL BUF

Client Sample ID: BETWEEN CARBONS 120419
Lab Sample ID: 480-163658-2
Date Collected: 12/04/19 07:30
Matrix: Water
Date Received: 12/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	508614	12/07/19 03:03	OMI	TAL BUF

Client Sample ID: INFLUENT 120419
Lab Sample ID: 480-163658-3
Date Collected: 12/04/19 07:30
Matrix: Water
Date Received: 12/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	508734	12/09/19 20:01	CDC	TAL BUF

Client Sample ID: EFFLUENT 120419
Lab Sample ID: 480-163658-4
Date Collected: 12/04/19 07:30
Matrix: Water
Date Received: 12/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	508614	12/07/19 03:28	OMI	TAL BUF

Client Sample ID: INFLUENT 120419
Lab Sample ID: 480-163658-5
Date Collected: 12/04/19 07:30
Matrix: Water
Date Received: 12/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			508382	12/06/19 06:20	ADM	TAL BUF
Total/NA	Analysis	6010C		1	508788	12/06/19 17:44	AMH	TAL BUF
Total/NA	Prep	7470A			510067	12/16/19 12:02	BMB	TAL BUF
Total/NA	Analysis	7470A		1	510138	12/16/19 15:49	BMB	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-163658-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-163658-1

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: 480-163658-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-163658-1	EFFLUENT 120419	Water	12/04/19 07:30	12/05/19 08:00	
480-163658-2	BETWEEN CARBONS 120419	Water	12/04/19 07:30	12/05/19 08:00	
480-163658-3	INFLUENT 120419	Water	12/04/19 07:30	12/05/19 08:00	
480-163658-4	EFFLUENT 120419	Water	12/04/19 07:30	12/05/19 08:00	
480-163658-5	INFLUENT 120419	Water	12/04/19 07:30	12/05/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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480-163658 Chain of Custody

Client Information	Sampler: MARTin Koennecke	Lab PM: Schove, John R	COC No: 10589.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com	
Company: O'Brien & Gere Inc of North America		Analysis Requested	
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:		
City: East Syracuse	TAT Requested (days):		
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

Codes:
C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=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	6010C - Zinc	7470A - Mercury	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	A	D	D		
Effluent 120419	12-4-19	7:30	C	Water			1	1		1	1	4	
Between Carbons 120419	12-4-19	7:30	G	Water					3			3	
Inffluent 120419	12-4-19	7:30	G	Water					3			3	
EffLuenT 120419	12-4-19	7:30	G	WaTer					3			3	
InfluenT 120419	12-4-19	7:30	C	WATER						1	1	2	

12/4/19 ATP

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Martin Koennecke	12-4-19 / 11:10	OBG		12/4/19 11:10	ES-SYR
2	RELIG/16	12-4-19 19:00	SYR		12/5/19 0800	TAB
3						

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: IR 3.3

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-163658-1

Login Number: 163658

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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-163928-1
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:
12/28/2019 10:26:09 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Client: O'Brien & Gere Inc of North America
Job ID: 480-163928-1
Project/Site: Former Accurate Die Cast

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Case Narrative

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

Job ID: 480-163928-1

Job ID: 480-163928-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-163928-1

Comments
No additional comments.

Receipt
The sample was received on 12/10/2019 8:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

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

Detection Summary

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

Job ID: 480-163928-1

Client Sample ID: EFFLUENT 120919 — **Lab Sample ID: 480-163928-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	914		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Job ID: 480-163928-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 120919
Lab Sample ID: 480-163928-1
Date Collected: 12/09/19 07:20
Matrix: Water
Date Received: 12/10/19 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**914**		10.0	4.0	mg/L			12/12/19 11:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/12/19 12:43	1

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

Job ID: 480-163928-1

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

Lab Sample ID: MB 480-509557/1
Matrix: Water
Analysis Batch: 509557

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/12/19 12:43	1

Lab Sample ID: LCS 480-509557/2
Matrix: Water
Analysis Batch: 509557

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			253	250.8		mg/L		99	88 - 110		

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-509532/1
Matrix: Water
Analysis Batch: 509532

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/12/19 11:40	1

Lab Sample ID: LCS 480-509532/2
Matrix: Water
Analysis Batch: 509532

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			500	467.0		mg/L		93	85 - 115		

Lab Sample ID: 480-163928-1 DU
Matrix: Water
Analysis Batch: 509532

Client Sample ID: EFFLUENT 120919
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	914			935.0		mg/L				2	10

QC Association Summary

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

Job ID: 480-163928-1

General Chemistry

Analysis Batch: 509532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163928-1	EFFLUENT 120919	Total/NA	Water	SM2540 C	
MB 480-509532/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-509532/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-163928-1 DU	EFFLUENT 120919	Total/NA	Water	SM2540 C	

Analysis Batch: 509557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163928-1	EFFLUENT 120919	Total/NA	Water	SM 2540D	
MB 480-509557/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-509557/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-163928-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 120919
Lab Sample ID: 480-163928-1
Date Collected: 12/09/19 07:20
Matrix: Water
Date Received: 12/10/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	509557	12/12/19 12:43	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	509532	12/12/19 11:40	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
Job ID: 480-163928-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-163928-1

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: 480-163928-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-163928-1	EFFLUENT 120919	Water	12/09/19 07:20	12/10/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Syracuse

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

Sampler: MARTIN Keenwocke
Phone: 315-729-1300

Lab PM: Schove, John R
E-Mail: john.schove@testamericainc.com

Carrier Tracking No(s): #225

COC No: 480-122380-10586.1
Page: Page 1 of 1
Job #:

Due Date Requested:
TAT Requested (days):
PO #: 11900114
WO #:
Project #: 48006584
SSOW#:

Analysis Requested

480-163928 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, EDTA, EDA, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total	Special Instructions/Note:
			Preservation Code:		N	N				
Effluent 120919	12-9-19	7:20	C	Water			1	1	2	
RF 12-9-19										

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

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

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Martin Keenwocke	12-9-19 / 10:20	OBG	RFedEx	12-9-19, 10:20	Fed Ex
RFedEx	12-9-19, 19:00	Fed Ex	C Wallace	12/10/19 0800	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: #12.6

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-163928-1

Login Number: 163928

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Manhardt, Kara M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (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	OB&G
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-164275-1
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:
12/31/2019 6:03:45 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-164275-1
Project/Site: Former Accurate Die Cast

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-164275-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-164275-1

Comments
No additional comments.

Receipt
The samples were received on 12/17/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

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

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

Detection Summary

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

Job ID: 480-164275-1

Client Sample ID: EFFLUENT 121619 — Lab Sample ID: 480-164275-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	653		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 121619 — Lab Sample ID: 480-164275-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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

Job ID: 480-164275-1

Client Sample ID: EFFLUENT 121619

Lab Sample ID: 480-164275-1
Date Collected: 12/16/19 07:10
Matrix: Water
Date Received: 12/17/19 08:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**653**		10.0	4.0	mg/L			12/19/19 14:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/20/19 15:54	1

Client Sample ID: EFFLUENT 121619

Lab Sample ID: 480-164275-2
Date Collected: 12/16/19 07:10
Matrix: Water
Date Received: 12/17/19 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			12/19/19 03:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/19 03:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/19 03:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/19 03:32	1
Toluene	ND		1.0	0.51	ug/L			12/19/19 03:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/19 03:32	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/19 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*12/19/19 03:32*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/19/19 03:32*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/19/19 03:32*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/19/19 03:32*	*1*

Surrogate Summary

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

Job ID: 480-164275-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-164275-2	EFFLUENT 121619	101	105	101	109
LCS 480-510709/4	Lab Control Sample	96	100	94	99
MB 480-510709/6	Method Blank	96	99	95	98

Surrogate Legend

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

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

Lab Sample ID: MB 480-510709/6
Matrix: Water
Analysis Batch: 510709

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/18/19 22:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/18/19 22:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/18/19 22:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/18/19 22:13	1
Toluene	ND		1.0	0.51	ug/L			12/18/19 22:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/18/19 22:13	1
Trichloroethene	ND		1.0	0.46	ug/L			12/18/19 22:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*12/18/19 22:13*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/18/19 22:13*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*12/18/19 22:13*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/18/19 22:13*	*1*

Lab Sample ID: LCS 480-510709/4
Matrix: Water
Analysis Batch: 510709

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	20.0		ug/L		80	76 - 120
cis-1,2-Dichloroethene	25.0	21.8		ug/L		87	74 - 124
Methylene Chloride	25.0	21.3		ug/L		85	75 - 124
Tetrachloroethene	25.0	21.9		ug/L		88	74 - 122
Toluene	25.0	21.1		ug/L		84	80 - 122
trans-1,2-Dichloroethene	25.0	21.3		ug/L		85	73 - 127
Trichloroethene	25.0	21.8		ug/L		87	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Toluene-d8 (Surr)	*94*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

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

Lab Sample ID: MB 480-511195/1
Matrix: Water
Analysis Batch: 511195

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/20/19 15:54	1

Lab Sample ID: LCS 480-511195/2
Matrix: Water
Analysis Batch: 511195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	258	241.2		mg/L		94	88 - 110

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

Job ID: 480-164275-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-510903/1
Matrix: Water
Analysis Batch: 510903

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/19/19 14:30	1

Lab Sample ID: LCS 480-510903/2
Matrix: Water
Analysis Batch: 510903

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			500	480.0		mg/L		96	85 - 115		

QC Association Summary

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

Job ID: 480-164275-1

GC/MS VOA

Analysis Batch: 510709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164275-2	EFFLUENT 121619	Total/NA	Water	8260C	
MB 480-510709/6	Method Blank	Total/NA	Water	8260C	
LCS 480-510709/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 510903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164275-1	EFFLUENT 121619	Total/NA	Water	SM2540 C	
MB 480-510903/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-510903/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 511195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164275-1	EFFLUENT 121619	Total/NA	Water	SM 2540D	
MB 480-511195/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-511195/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-164275-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 121619
Lab Sample ID: 480-164275-1
Date Collected: 12/16/19 07:10
Matrix: Water
Date Received: 12/17/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	511195	12/20/19 15:54	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	510903	12/19/19 14:30	CSS	TAL BUF

Client Sample ID: EFFLUENT 121619
Lab Sample ID: 480-164275-2
Date Collected: 12/16/19 07:10
Matrix: Water
Date Received: 12/17/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	510709	12/19/19 03:32	S1V	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
Job ID: 480-164275-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-164275-1

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: 480-164275-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-164275-1	EFFLUENT 121619	Water	12/16/19 07:10	12/17/19 08:00	
480-164275-2	EFFLUENT 121619	Water	12/16/19 07:10	12/17/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Syracuse

Client Information	Sampler: MARTIN Koennecke	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-122357-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315 729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America		**Analysis Requested**		Job #:
Address: 333 West Washington St. PO BOX 4873	**Due Date Requested:**			
City: East Syracuse	**TAT Requested (days):**			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			480-164275 Chain of Custody
Email: Yuri.Veliz@obg.com	WO #:			J - DI Water, K - EDTA, L - EDA, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=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:
			Preservation Code:		X	X	N	N	A	X	
Effluent 121619	12-16-19	7:10	C	Water			1	1		2	
Effluent 121619	12-16-19	7:10	G	water					3	3	

RC 12-16-19

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Martin Koennecke	12-16-19 / 9:40	OBG	[signature] TALS	12-16-19	TA SYC
R. English	12-16-19, 19:00	Sya	[signature]	12/17/19 0800	TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.9

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-164275-1

Login Number: 164275

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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-164628-1
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:
1/7/2020 5:32:49 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

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

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

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

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-164628-1
Project/Site: Former Accurate Die Cast

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-164628-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-164628-1

Comments
No additional comments.

Receipt
The sample was received on 12/24/2019 11:20 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

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

Detection Summary

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

Job ID: 480-164628-1

Client Sample ID: EFFLUENT 122319

Lab Sample ID: 480-164628-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	14.4		4.0	4.0	mg/L	1		SM 2540D	Total/NA
Total Dissolved Solids	893		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 480-164628-1

Client Sample ID: EFFLUENT 122319
Date Collected: 12/23/19 07:15
Date Received: 12/24/19 11:20

Lab Sample ID: 480-164628-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	893		10.0	4.0	mg/L			12/27/19 15:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	14.4		4.0	4.0	mg/L			12/26/19 13:03	1

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

Job ID: 480-164628-1

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

Lab Sample ID: MB 480-511830/1
Matrix: Water
Analysis Batch: 511830

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/26/19 13:03	1

Lab Sample ID: LCS 480-511830/2
Matrix: Water
Analysis Batch: 511830

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Suspended Solids			254	236.0		mg/L		93	88 - 110		

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-512017/1
Matrix: Water
Analysis Batch: 512017

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/27/19 15:14	1

Lab Sample ID: LCS 480-512017/2
Matrix: Water
Analysis Batch: 512017

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			501	442.0		mg/L		88	85 - 115		

Lab Sample ID: 480-164628-1 DU
Matrix: Water
Analysis Batch: 512017

Client Sample ID: EFFLUENT 122319
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	893			872.0		mg/L				2	10

QC Association Summary

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

Job ID: 480-164628-1

General Chemistry

Analysis Batch: 511830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164628-1	EFFLUENT 122319	Total/NA	Water	SM 2540D	
MB 480-511830/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-511830/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 512017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164628-1	EFFLUENT 122319	Total/NA	Water	SM2540 C	
MB 480-512017/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-512017/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-164628-1 DU	EFFLUENT 122319	Total/NA	Water	SM2540 C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-164628-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 122319
Lab Sample ID: 480-164628-1
Date Collected: 12/23/19 07:15
Matrix: Water
Date Received: 12/24/19 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	511830	12/26/19 13:03	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	512017	12/27/19 15:14	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
Job ID: 480-164628-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-164628-1

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: 480-164628-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-164628-1	EFFLUENT 122319	Water	12/23/19 07:15	12/24/19 11:20	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Syracuse

Client Information	Sampler: MARTIN Koennecke	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-122385-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 122319	12-23-19	7:15	C	Water			1	1	2	

RE 12-23-19

480-164628 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:			Method of Shipment:	
Relinquished by: Martin Koennecke	Date/Time: 12-23-19 / 9:40	Company: OBG	Received by: [illegible]	Date/Time: 9:40 12-23-19	Company:		
Relinquished by: [illegible]	Date/Time: 12-23-19, 19:00	Company: [illegible]	Received by: [illegible]	Date/Time: 12/24/19 10:00	Company: [illegible]		
Relinquished by: [illegible]	Date/Time: 12/24/19 11:20	Company: JAS	Received by: [illegible]	Date/Time: 12/24/19 1120	Company: TA		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		2.4 H ICE		

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-164628-1

Login Number: 164628

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-164741-1
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:
1/9/2020 11:12:54 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

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

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

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

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-164741-1
Project/Site: Former Accurate Die Cast

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-164741-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-164741-1

Comments
No additional comments.

Receipt
The sample was received on 12/31/2019 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

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

Detection Summary

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

Job ID: 480-164741-1

Client Sample ID: EFFLUENT 123019

Lab Sample ID: 480-164741-1

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

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Job ID: 480-164741-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 123019
Lab Sample ID: 480-164741-1
Date Collected: 12/30/19 07:15
Matrix: Water
Date Received: 12/31/19 09:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**579**		10.0	4.0	mg/L			01/06/20 13:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/31/19 12:45	1

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

Job ID: 480-164741-1

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

Lab Sample ID: MB 480-512365/1
Matrix: Water
Analysis Batch: 512365

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/31/19 12:45	1

Lab Sample ID: LCS 480-512365/2
Matrix: Water
Analysis Batch: 512365

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			278	266.8		mg/L		96	88 - 110		

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-512541/1
Matrix: Water
Analysis Batch: 512541

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			01/06/20 13:24	1

Lab Sample ID: LCS 480-512541/2
Matrix: Water
Analysis Batch: 512541

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			501	539.0		mg/L		108	85 - 115		

QC Association Summary

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

Job ID: 480-164741-1

General Chemistry

Analysis Batch: 512365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164741-1	EFFLUENT 123019	Total/NA	Water	SM 2540D	
MB 480-512365/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-512365/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 512541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-164741-1	EFFLUENT 123019	Total/NA	Water	SM2540 C	
MB 480-512541/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-512541/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-164741-1
Project/Site: Former Accurate Die Cast

Client Sample ID: EFFLUENT 123019
Lab Sample ID: 480-164741-1
Date Collected: 12/30/19 07:15
Matrix: Water
Date Received: 12/31/19 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	512365	12/31/19 12:45	CSS	TAL BUF
Total/NA	Analysis	SM2540 C		1	512541	01/06/20 13:24	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
Job ID: 480-164741-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-164741-1

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: 480-164741-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-164741-1	EFFLUENT 123019	Water	12/30/19 07:15	12/31/19 09:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Syracuse #225

Client Information	Sampler: MARTIN Koennecke	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-122384-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

480-164741 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, DI Water, EDTA, EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 123019	12-30-19	7:15	C	Water			1	1	2	

RE 12.30.19

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by: Martin Koennecke	12-30-19 / 9:10	OBG	Received by: R.C. English	12.30.19, 0910	Fyn
Relinquished by: R.C. English	12-30-19, 19:00	Fyn	Received by: Cavallaro	12/31/19 0400	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 3.1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-164741-1

Login Number: 164741

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Manhardt, Kara M

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

ATTACHMENT B

GROUNDWATER MONITORING LABORATORY REPORT

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-161408-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. David J Carnevale

Authorized for release by:
10/29/2019 2:12:08 PM
Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@testamericainc.com

Table of Contents

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Job ID: 480-161408-1
Project/Site: Former Accurate Die Cast

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (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)

Job ID: 480-161408-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-161408-1

Comments
No additional comments.

Receipt
The samples were received on 10/23/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11 102219 (480-161408-2), MW-17 102219 (480-161408-6), MW-24 102219 (480-161408-8) and MW-18 102219 (480-161408-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-500538 recovered outside acceptance criteria, low biased, for 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-500538 recovered outside control limits for the following analytes: 4-Methyl-2-pentanone (MIBK), and Methyl acetate. 4-Methyl-2-pentanone (MIBK), and Methyl acetate have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-10 102219 (480-161408-15), MW-14 102219 (480-161408-16) and MW-13 102219 (480-161408-17). 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.

Detection Summary

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

Job ID: 480-161408-1

Client Sample ID: MW-5 102219 — Lab Sample ID: 480-161408-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.8		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	47		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-11 102219 — Lab Sample ID: 480-161408-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	510		8.0	3.7	ug/L	8		8260C	Total/NA

Client Sample ID: PZ-1 102219 — Lab Sample ID: 480-161408-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	47		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6 102219 — Lab Sample ID: 480-161408-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	66		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: PZ-2 102219 — Lab Sample ID: 480-161408-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.51	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	69		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-17 102219 — Lab Sample ID: 480-161408-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	29		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	4.3	J	5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	180		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-21 102219 — Lab Sample ID: 480-161408-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	38		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	15		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-24 102219 — Lab Sample ID: 480-161408-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	63		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	290		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-22 102219 — Lab Sample ID: 480-161408-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.6		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	5.7		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-18 102219 — Lab Sample ID: 480-161408-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	440		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	1400		20	9.2	ug/L	20		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 480-161408-1

Client Sample ID: MW-12 102219 — Lab Sample ID: 480-161408-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	15		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-9 102219 — Lab Sample ID: 480-161408-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	34		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-15 102219 — Lab Sample ID: 480-161408-13

No Detections.

Client Sample ID: MW-16 102219 — Lab Sample ID: 480-161408-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.0		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-10 102219 — Lab Sample ID: 480-161408-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	71		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: MW-14 102219 — Lab Sample ID: 480-161408-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	220		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-13 102219 — Lab Sample ID: 480-161408-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	260		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-161408-18

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-161408-1

Client Sample ID: MW-5 102219
Date Collected: 10/22/19 07:20
Date Received: 10/23/19 08:00

Lab Sample ID: 480-161408-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/19 22:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/19 22:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/26/19 22:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/19 22:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/19 22:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/19 22:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/26/19 22:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/26/19 22:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/26/19 22:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/26/19 22:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/19 22:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/19 22:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/26/19 22:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/26/19 22:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/19 22:04	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/19 22:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/19 22:04	1
Acetone	ND		10	3.0	ug/L			10/26/19 22:04	1
Benzene	ND		1.0	0.41	ug/L			10/26/19 22:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/19 22:04	1
Bromoform	ND		1.0	0.26	ug/L			10/26/19 22:04	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/19 22:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/19 22:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/19 22:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/19 22:04	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/19 22:04	1
Chloroform	ND		1.0	0.34	ug/L			10/26/19 22:04	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/19 22:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/19 22:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/19 22:04	1
Cyclohexane	ND		1.0	0.18	ug/L			10/26/19 22:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/19 22:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/26/19 22:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/19 22:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/26/19 22:04	1
Methyl acetate	ND		2.5	1.3	ug/L			10/26/19 22:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/26/19 22:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/26/19 22:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/19 22:04	1
Styrene	ND		1.0	0.73	ug/L			10/26/19 22:04	1
Tetrachloroethene	**1.8**		1.0	0.36	ug/L			10/26/19 22:04	1
Toluene	ND		1.0	0.51	ug/L			10/26/19 22:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/19 22:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/19 22:04	1
Trichloroethene	**47**		1.0	0.46	ug/L			10/26/19 22:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/26/19 22:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/19 22:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/19 22:04	1

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

Job ID: 480-161408-1

Client Sample ID: MW-5 102219

Lab Sample ID: 480-161408-1

Date Collected: 10/22/19 07:20
Matrix: Water
Date Received: 10/23/19 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		10/26/19 22:04	1
4-Bromofluorobenzene (Surr)	96		73 - 120		10/26/19 22:04	1
Dibromofluoromethane (Surr)	100		75 - 123		10/26/19 22:04	1
Toluene-d8 (Surr)	93		80 - 120		10/26/19 22:04	1

Client Sample ID: MW-11 102219

Lab Sample ID: 480-161408-2

Date Collected: 10/22/19 07:40
Matrix: Water
Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		8.0	6.6	ug/L			10/26/19 22:28	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			10/26/19 22:28	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			10/26/19 22:28	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			10/26/19 22:28	8
1,1-Dichloroethane	ND		8.0	3.0	ug/L			10/26/19 22:28	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			10/26/19 22:28	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			10/26/19 22:28	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			10/26/19 22:28	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			10/26/19 22:28	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			10/26/19 22:28	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			10/26/19 22:28	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			10/26/19 22:28	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			10/26/19 22:28	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			10/26/19 22:28	8
2-Butanone (MEK)	ND		80	11	ug/L			10/26/19 22:28	8
2-Hexanone	ND		40	9.9	ug/L			10/26/19 22:28	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			10/26/19 22:28	8
Acetone	ND		80	24	ug/L			10/26/19 22:28	8
Benzene	ND		8.0	3.3	ug/L			10/26/19 22:28	8
Bromodichloromethane	ND		8.0	3.1	ug/L			10/26/19 22:28	8
Bromoform	ND		8.0	2.1	ug/L			10/26/19 22:28	8
Bromomethane	ND		8.0	5.5	ug/L			10/26/19 22:28	8
Carbon disulfide	ND		8.0	1.5	ug/L			10/26/19 22:28	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			10/26/19 22:28	8
Chlorobenzene	ND		8.0	6.0	ug/L			10/26/19 22:28	8
Chloroethane	ND		8.0	2.6	ug/L			10/26/19 22:28	8
Chloroform	ND		8.0	2.7	ug/L			10/26/19 22:28	8
Chloromethane	ND		8.0	2.8	ug/L			10/26/19 22:28	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			10/26/19 22:28	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			10/26/19 22:28	8
Cyclohexane	ND		8.0	1.4	ug/L			10/26/19 22:28	8
Dibromochloromethane	ND		8.0	2.6	ug/L			10/26/19 22:28	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			10/26/19 22:28	8
Ethylbenzene	ND		8.0	5.9	ug/L			10/26/19 22:28	8
Isopropylbenzene	ND		8.0	6.3	ug/L			10/26/19 22:28	8
Methyl acetate	ND		20	10	ug/L			10/26/19 22:28	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			10/26/19 22:28	8
Methylcyclohexane	ND		8.0	1.3	ug/L			10/26/19 22:28	8
Methylene Chloride	ND		8.0	3.5	ug/L			10/26/19 22:28	8

Client Sample ID: MW-11 102219

Lab Sample ID: 480-161408-2

Date Collected: 10/22/19 07:40

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		8.0	5.8	ug/L			10/26/19 22:28	8
Tetrachloroethene	ND		8.0	2.9	ug/L			10/26/19 22:28	8
Toluene	ND		8.0	4.1	ug/L			10/26/19 22:28	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			10/26/19 22:28	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			10/26/19 22:28	8
Trichloroethene	**510**		8.0	3.7	ug/L			10/26/19 22:28	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			10/26/19 22:28	8
Vinyl chloride	ND		8.0	7.2	ug/L			10/26/19 22:28	8
Xylenes, Total	ND		16	5.3	ug/L			10/26/19 22:28	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*10/26/19 22:28*	*8*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/26/19 22:28*	*8*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/26/19 22:28*	*8*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/26/19 22:28*	*8*

Client Sample ID: PZ-1 102219

Lab Sample ID: 480-161408-3

Date Collected: 10/22/19 08:10

Matrix: Water

Date Received: 10/23/19 08:00

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			10/26/19 22:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/19 22:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/26/19 22:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/19 22:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/19 22:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/19 22:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/26/19 22:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/26/19 22:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/26/19 22:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/26/19 22:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/19 22:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/19 22:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/26/19 22:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/26/19 22:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/19 22:52	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/19 22:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/19 22:52	1
Acetone	ND		10	3.0	ug/L			10/26/19 22:52	1
Benzene	ND		1.0	0.41	ug/L			10/26/19 22:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/19 22:52	1
Bromoform	ND		1.0	0.26	ug/L			10/26/19 22:52	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/19 22:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/19 22:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/19 22:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/19 22:52	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/19 22:52	1
Chloroform	ND		1.0	0.34	ug/L			10/26/19 22:52	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/19 22:52	1

Client Sample ID: PZ-1 102219

Lab Sample ID: 480-161408-3

Date Collected: 10/22/19 08:10

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/19 22:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/19 22:52	1
Cyclohexane	ND		1.0	0.18	ug/L			10/26/19 22:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/19 22:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/26/19 22:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/19 22:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/26/19 22:52	1
Methyl acetate	ND		2.5	1.3	ug/L			10/26/19 22:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/26/19 22:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/26/19 22:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/19 22:52	1
Styrene	ND		1.0	0.73	ug/L			10/26/19 22:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/19 22:52	1
Toluene	ND		1.0	0.51	ug/L			10/26/19 22:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/19 22:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/19 22:52	1
Trichloroethene	**47**		1.0	0.46	ug/L			10/26/19 22:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/26/19 22:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/19 22:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/19 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/26/19 22:52*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/26/19 22:52*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/26/19 22:52*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/26/19 22:52*	*1*

Client Sample ID: MW-6 102219

Lab Sample ID: 480-161408-4

Date Collected: 10/22/19 08:30

Matrix: Water

Date Received: 10/23/19 08:00

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			10/26/19 23:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/19 23:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/26/19 23:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/19 23:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/19 23:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/19 23:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/26/19 23:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/26/19 23:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/26/19 23:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/26/19 23:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/19 23:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/19 23:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/26/19 23:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/26/19 23:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/19 23:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/19 23:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/19 23:16	1

Client Sample ID: MW-6 102219

Lab Sample ID: 480-161408-4

Date Collected: 10/22/19 08:30

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/26/19 23:16	1
Benzene	ND		1.0	0.41	ug/L			10/26/19 23:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/19 23:16	1
Bromoform	ND		1.0	0.26	ug/L			10/26/19 23:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/19 23:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/19 23:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/19 23:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/19 23:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/19 23:16	1
Chloroform	ND		1.0	0.34	ug/L			10/26/19 23:16	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/19 23:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/19 23:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/19 23:16	1
Cyclohexane	ND		1.0	0.18	ug/L			10/26/19 23:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/19 23:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/26/19 23:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/19 23:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/26/19 23:16	1
Methyl acetate	ND		2.5	1.3	ug/L			10/26/19 23:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/26/19 23:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/26/19 23:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/19 23:16	1
Styrene	ND		1.0	0.73	ug/L			10/26/19 23:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/19 23:16	1
Toluene	ND		1.0	0.51	ug/L			10/26/19 23:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/19 23:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/19 23:16	1
Trichloroethene	**66**		1.0	0.46	ug/L			10/26/19 23:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/26/19 23:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/19 23:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/19 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/26/19 23:16*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/26/19 23:16*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/26/19 23:16*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*10/26/19 23:16*	*1*

Client Sample ID: PZ-2 102219

Lab Sample ID: 480-161408-5

Date Collected: 10/22/19 08:45

Matrix: Water

Date Received: 10/23/19 08:00

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			10/26/19 23:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/19 23:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/26/19 23:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/19 23:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/19 23:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/19 23:39	1

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

Job ID: 480-161408-1

Client Sample ID: PZ-2 102219
Date Collected: 10/22/19 08:45
Date Received: 10/23/19 08:00

Lab Sample ID: 480-161408-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/26/19 23:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/26/19 23:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/26/19 23:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/26/19 23:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/19 23:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/19 23:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/26/19 23:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/26/19 23:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/19 23:39	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/19 23:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/19 23:39	1
Acetone	ND		10	3.0	ug/L			10/26/19 23:39	1
Benzene	ND		1.0	0.41	ug/L			10/26/19 23:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/19 23:39	1
Bromoform	ND		1.0	0.26	ug/L			10/26/19 23:39	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/19 23:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/19 23:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/19 23:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/19 23:39	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/19 23:39	1
Chloroform	ND		1.0	0.34	ug/L			10/26/19 23:39	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/19 23:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/19 23:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/19 23:39	1
Cyclohexane	ND		1.0	0.18	ug/L			10/26/19 23:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/19 23:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/26/19 23:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/19 23:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/26/19 23:39	1
Methyl acetate	ND		2.5	1.3	ug/L			10/26/19 23:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/26/19 23:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/26/19 23:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/19 23:39	1
Styrene	ND		1.0	0.73	ug/L			10/26/19 23:39	1
Tetrachloroethene	**0.51**	**J**	1.0	0.36	ug/L			10/26/19 23:39	1
Toluene	ND		1.0	0.51	ug/L			10/26/19 23:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/19 23:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/19 23:39	1
Trichloroethene	**69**		1.0	0.46	ug/L			10/26/19 23:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/26/19 23:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/19 23:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/19 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/26/19 23:39*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/26/19 23:39*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/26/19 23:39*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/26/19 23:39*	*1*

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

Job ID: 480-161408-1

Client Sample ID: MW-17 102219
Date Collected: 10/22/19 09:00
Date Received: 10/23/19 08:00

Lab Sample ID: 480-161408-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/27/19 00:04	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/27/19 00:04	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/27/19 00:04	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/27/19 00:04	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/27/19 00:04	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/27/19 00:04	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/27/19 00:04	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/27/19 00:04	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/27/19 00:04	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/27/19 00:04	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/27/19 00:04	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/27/19 00:04	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/27/19 00:04	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/27/19 00:04	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/27/19 00:04	5
2-Hexanone	ND		25	6.2	ug/L			10/27/19 00:04	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/27/19 00:04	5
Acetone	ND		50	15	ug/L			10/27/19 00:04	5
Benzene	ND		5.0	2.1	ug/L			10/27/19 00:04	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/27/19 00:04	5
Bromoform	ND		5.0	1.3	ug/L			10/27/19 00:04	5
Bromomethane	ND		5.0	3.5	ug/L			10/27/19 00:04	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/27/19 00:04	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/27/19 00:04	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/27/19 00:04	5
Chloroethane	ND		5.0	1.6	ug/L			10/27/19 00:04	5
Chloroform	ND		5.0	1.7	ug/L			10/27/19 00:04	5
Chloromethane	ND		5.0	1.8	ug/L			10/27/19 00:04	5
cis-1,2-Dichloroethene	**29**		5.0	4.1	ug/L			10/27/19 00:04	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/27/19 00:04	5
Cyclohexane	ND		5.0	0.90	ug/L			10/27/19 00:04	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/27/19 00:04	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/27/19 00:04	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/27/19 00:04	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/27/19 00:04	5
Methyl acetate	ND		13	6.5	ug/L			10/27/19 00:04	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/27/19 00:04	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/27/19 00:04	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/27/19 00:04	5
Styrene	ND		5.0	3.7	ug/L			10/27/19 00:04	5
Tetrachloroethene	**4.3**	**J**	5.0	1.8	ug/L			10/27/19 00:04	5
Toluene	ND		5.0	2.6	ug/L			10/27/19 00:04	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/27/19 00:04	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/27/19 00:04	5
Trichloroethene	**180**		5.0	2.3	ug/L			10/27/19 00:04	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/27/19 00:04	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/27/19 00:04	5
Xylenes, Total	ND		10	3.3	ug/L			10/27/19 00:04	5

Client Sample ID: MW-17 102219

Lab Sample ID: 480-161408-6

Date Collected: 10/22/19 09:00

Matrix: Water

Date Received: 10/23/19 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/27/19 00:04*	*5*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/27/19 00:04*	*5*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/27/19 00:04*	*5*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/27/19 00:04*	*5*

Client Sample ID: MW-21 102219

Lab Sample ID: 480-161408-7

Date Collected: 10/22/19 09:20

Matrix: Water

Date Received: 10/23/19 08:00

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			10/27/19 00:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 00:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/19 00:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/19 00:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/19 00:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/19 00:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/19 00:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/19 00:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/19 00:28	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/19 00:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/19 00:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/19 00:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/19 00:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/19 00:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/19 00:28	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/19 00:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/19 00:28	1
Acetone	ND		10	3.0	ug/L			10/27/19 00:28	1
Benzene	ND		1.0	0.41	ug/L			10/27/19 00:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/19 00:28	1
Bromoform	ND		1.0	0.26	ug/L			10/27/19 00:28	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/19 00:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/19 00:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/19 00:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/19 00:28	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/19 00:28	1
Chloroform	ND		1.0	0.34	ug/L			10/27/19 00:28	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/19 00:28	1
cis-1,2-Dichloroethene	**38**		1.0	0.81	ug/L			10/27/19 00:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/19 00:28	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/19 00:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/19 00:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/19 00:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/19 00:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/19 00:28	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/19 00:28	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/19 00:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/19 00:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 00:28	1

Client Sample ID: MW-21 102219

Lab Sample ID: 480-161408-7

Date Collected: 10/22/19 09:20

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/27/19 00:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 00:28	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 00:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 00:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/19 00:28	1
Trichloroethene	**15**		1.0	0.46	ug/L			10/27/19 00:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/19 00:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/19 00:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/19 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/27/19 00:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/27/19 00:28*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/27/19 00:28*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/27/19 00:28*	*1*

Client Sample ID: MW-24 102219

Lab Sample ID: 480-161408-8

Date Collected: 10/22/19 09:40

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/27/19 00:52	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/27/19 00:52	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/27/19 00:52	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/27/19 00:52	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/27/19 00:52	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/27/19 00:52	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/27/19 00:52	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/27/19 00:52	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/27/19 00:52	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/27/19 00:52	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/27/19 00:52	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/27/19 00:52	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/27/19 00:52	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/27/19 00:52	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/27/19 00:52	5
2-Hexanone	ND		25	6.2	ug/L			10/27/19 00:52	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/27/19 00:52	5
Acetone	ND		50	15	ug/L			10/27/19 00:52	5
Benzene	ND		5.0	2.1	ug/L			10/27/19 00:52	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/27/19 00:52	5
Bromoform	ND		5.0	1.3	ug/L			10/27/19 00:52	5
Bromomethane	ND		5.0	3.5	ug/L			10/27/19 00:52	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/27/19 00:52	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/27/19 00:52	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/27/19 00:52	5
Chloroethane	ND		5.0	1.6	ug/L			10/27/19 00:52	5
Chloroform	ND		5.0	1.7	ug/L			10/27/19 00:52	5
Chloromethane	ND		5.0	1.8	ug/L			10/27/19 00:52	5

Client Sample ID: MW-24 102219

Lab Sample ID: 480-161408-8

Date Collected: 10/22/19 09:40

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**63**		5.0	4.1	ug/L			10/27/19 00:52	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/27/19 00:52	5
Cyclohexane	ND		5.0	0.90	ug/L			10/27/19 00:52	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/27/19 00:52	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/27/19 00:52	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/27/19 00:52	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/27/19 00:52	5
Methyl acetate	ND		13	6.5	ug/L			10/27/19 00:52	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/27/19 00:52	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/27/19 00:52	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/27/19 00:52	5
Styrene	ND		5.0	3.7	ug/L			10/27/19 00:52	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/27/19 00:52	5
Toluene	ND		5.0	2.6	ug/L			10/27/19 00:52	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/27/19 00:52	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/27/19 00:52	5
Trichloroethene	**290**		5.0	2.3	ug/L			10/27/19 00:52	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/27/19 00:52	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/27/19 00:52	5
Xylenes, Total	ND		10	3.3	ug/L			10/27/19 00:52	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/27/19 00:52*	*5*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/27/19 00:52*	*5*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*10/27/19 00:52*	*5*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/27/19 00:52*	*5*

Client Sample ID: MW-22 102219

Lab Sample ID: 480-161408-9

Date Collected: 10/22/19 10:05

Matrix: Water

Date Received: 10/23/19 08:00

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			10/27/19 01:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 01:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/19 01:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/19 01:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/19 01:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/19 01:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/19 01:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/19 01:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/19 01:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/19 01:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/19 01:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/19 01:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/19 01:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/19 01:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/19 01:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/19 01:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/19 01:16	1

Client Sample ID: MW-22 102219

Lab Sample ID: 480-161408-9

Date Collected: 10/22/19 10:05

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/27/19 01:16	1
Benzene	ND		1.0	0.41	ug/L			10/27/19 01:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/19 01:16	1
Bromoform	ND		1.0	0.26	ug/L			10/27/19 01:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/19 01:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/19 01:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/19 01:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/19 01:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/19 01:16	1
Chloroform	ND		1.0	0.34	ug/L			10/27/19 01:16	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/19 01:16	1
cis-1,2-Dichloroethene	**5.6**		1.0	0.81	ug/L			10/27/19 01:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/19 01:16	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/19 01:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/19 01:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/19 01:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/19 01:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/19 01:16	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/19 01:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/19 01:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/19 01:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 01:16	1
Styrene	ND		1.0	0.73	ug/L			10/27/19 01:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 01:16	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 01:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 01:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/19 01:16	1
Trichloroethene	**5.7**		1.0	0.46	ug/L			10/27/19 01:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/19 01:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/19 01:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/19 01:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/27/19 01:16*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/27/19 01:16*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/27/19 01:16*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/27/19 01:16*	*1*

Client Sample ID: MW-18 102219

Lab Sample ID: 480-161408-10

Date Collected: 10/22/19 10:30

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/27/19 01:39	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/27/19 01:39	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/27/19 01:39	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/27/19 01:39	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/27/19 01:39	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/27/19 01:39	20

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

Job ID: 480-161408-1

Client Sample ID: MW-18 102219
Date Collected: 10/22/19 10:30
Date Received: 10/23/19 08:00

Lab Sample ID: 480-161408-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/27/19 01:39	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/27/19 01:39	20
1,2-Dibromoethane	ND		20	15	ug/L			10/27/19 01:39	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/27/19 01:39	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/27/19 01:39	20
1,2-Dichloropropane	ND		20	14	ug/L			10/27/19 01:39	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/27/19 01:39	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/27/19 01:39	20
2-Butanone (MEK)	ND		200	26	ug/L			10/27/19 01:39	20
2-Hexanone	ND		100	25	ug/L			10/27/19 01:39	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/27/19 01:39	20
Acetone	ND		200	60	ug/L			10/27/19 01:39	20
Benzene	ND		20	8.2	ug/L			10/27/19 01:39	20
Bromodichloromethane	ND		20	7.8	ug/L			10/27/19 01:39	20
Bromoform	ND		20	5.2	ug/L			10/27/19 01:39	20
Bromomethane	ND		20	14	ug/L			10/27/19 01:39	20
Carbon disulfide	ND		20	3.8	ug/L			10/27/19 01:39	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/27/19 01:39	20
Chlorobenzene	ND		20	15	ug/L			10/27/19 01:39	20
Chloroethane	ND		20	6.4	ug/L			10/27/19 01:39	20
Chloroform	ND		20	6.8	ug/L			10/27/19 01:39	20
Chloromethane	ND		20	7.0	ug/L			10/27/19 01:39	20
cis-1,2-Dichloroethene	**440**		20	16	ug/L			10/27/19 01:39	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/27/19 01:39	20
Cyclohexane	ND		20	3.6	ug/L			10/27/19 01:39	20
Dibromochloromethane	ND		20	6.4	ug/L			10/27/19 01:39	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/27/19 01:39	20
Ethylbenzene	ND		20	15	ug/L			10/27/19 01:39	20
Isopropylbenzene	ND		20	16	ug/L			10/27/19 01:39	20
Methyl acetate	ND		50	26	ug/L			10/27/19 01:39	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/27/19 01:39	20
Methylcyclohexane	ND		20	3.2	ug/L			10/27/19 01:39	20
Methylene Chloride	ND		20	8.8	ug/L			10/27/19 01:39	20
Styrene	ND		20	15	ug/L			10/27/19 01:39	20
Tetrachloroethene	ND		20	7.2	ug/L			10/27/19 01:39	20
Toluene	ND		20	10	ug/L			10/27/19 01:39	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/27/19 01:39	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/27/19 01:39	20
Trichloroethene	**1400**		20	9.2	ug/L			10/27/19 01:39	20
Trichlorofluoromethane	ND		20	18	ug/L			10/27/19 01:39	20
Vinyl chloride	ND		20	18	ug/L			10/27/19 01:39	20
Xylenes, Total	ND		40	13	ug/L			10/27/19 01:39	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/27/19 01:39*	*20*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/27/19 01:39*	*20*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/27/19 01:39*	*20*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/27/19 01:39*	*20*

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

Job ID: 480-161408-1

Client Sample ID: MW-12 102219
Date Collected: 10/22/19 11:10
Date Received: 10/23/19 08:00

Lab Sample ID: 480-161408-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/19 14:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/19 14:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/19 14:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/19 14:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/19 14:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/19 14:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/19 14:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/19 14:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/19 14:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/19 14:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/19 14:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/19 14:42	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/19 14:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/19 14:42	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/19 14:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/19 14:42	1
Acetone	ND		10	3.0	ug/L			10/27/19 14:42	1
Benzene	ND		1.0	0.41	ug/L			10/27/19 14:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/19 14:42	1
Bromoform	ND		1.0	0.26	ug/L			10/27/19 14:42	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/19 14:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/19 14:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/19 14:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/19 14:42	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/19 14:42	1
Chloroform	ND		1.0	0.34	ug/L			10/27/19 14:42	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/19 14:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/19 14:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/19 14:42	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/19 14:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/19 14:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/19 14:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/19 14:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/19 14:42	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/19 14:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/19 14:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/19 14:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 14:42	1
Styrene	ND		1.0	0.73	ug/L			10/27/19 14:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 14:42	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 14:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 14:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/19 14:42	1
Trichloroethene	**15**		1.0	0.46	ug/L			10/27/19 14:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/19 14:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/19 14:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/19 14:42	1

Client Sample ID: MW-12 102219

Lab Sample ID: 480-161408-11

Date Collected: 10/22/19 11:10

Matrix: Water

Date Received: 10/23/19 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/27/19 14:42*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*10/27/19 14:42*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/27/19 14:42*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/27/19 14:42*	*1*

Client Sample ID: MW-9 102219

Lab Sample ID: 480-161408-12

Date Collected: 10/22/19 11:30

Matrix: Water

Date Received: 10/23/19 08:00

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			10/27/19 02:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 02:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/19 02:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/19 02:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/19 02:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/19 02:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/19 02:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/19 02:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/19 02:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/19 02:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/19 02:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/19 02:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/19 02:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/19 02:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/19 02:27	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/19 02:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/19 02:27	1
Acetone	ND		10	3.0	ug/L			10/27/19 02:27	1
Benzene	ND		1.0	0.41	ug/L			10/27/19 02:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/19 02:27	1
Bromoform	ND		1.0	0.26	ug/L			10/27/19 02:27	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/19 02:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/19 02:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/19 02:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/19 02:27	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/19 02:27	1
Chloroform	ND		1.0	0.34	ug/L			10/27/19 02:27	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/19 02:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/19 02:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/19 02:27	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/19 02:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/19 02:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/19 02:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/19 02:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/19 02:27	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/19 02:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/19 02:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/19 02:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 02:27	1

Client Sample ID: MW-9 102219

Lab Sample ID: 480-161408-12

Date Collected: 10/22/19 11:30

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/27/19 02:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 02:27	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 02:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 02:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/19 02:27	1
Trichloroethene	**34**		1.0	0.46	ug/L			10/27/19 02:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/19 02:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/19 02:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/19 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/27/19 02:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/27/19 02:27*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/27/19 02:27*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/27/19 02:27*	*1*

Client Sample ID: MW-15 102219

Lab Sample ID: 480-161408-13

Date Collected: 10/22/19 12:05

Matrix: Water

Date Received: 10/23/19 08:00

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			10/27/19 02:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 02:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/19 02:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/19 02:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/19 02:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/19 02:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/19 02:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/19 02:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/19 02:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/19 02:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/19 02:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/19 02:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/19 02:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/19 02:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/19 02:51	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/19 02:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/19 02:51	1
Acetone	ND		10	3.0	ug/L			10/27/19 02:51	1
Benzene	ND		1.0	0.41	ug/L			10/27/19 02:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/19 02:51	1
Bromoform	ND		1.0	0.26	ug/L			10/27/19 02:51	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/19 02:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/19 02:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/19 02:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/19 02:51	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/19 02:51	1
Chloroform	ND		1.0	0.34	ug/L			10/27/19 02:51	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/19 02:51	1

Client Sample ID: MW-15 102219

Lab Sample ID: 480-161408-13

Date Collected: 10/22/19 12:05

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/19 02:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/19 02:51	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/19 02:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/19 02:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/19 02:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/19 02:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/19 02:51	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/19 02:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/19 02:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/19 02:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 02:51	1
Styrene	ND		1.0	0.73	ug/L			10/27/19 02:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 02:51	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 02:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 02:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/19 02:51	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/19 02:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/19 02:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/19 02:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/19 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/27/19 02:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*10/27/19 02:51*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/27/19 02:51*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*10/27/19 02:51*	*1*

Client Sample ID: MW-16 102219

Lab Sample ID: 480-161408-14

Date Collected: 10/22/19 12:30

Matrix: Water

Date Received: 10/23/19 08:00

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			10/27/19 03:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 03:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/19 03:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/19 03:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/19 03:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/19 03:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/19 03:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/19 03:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/19 03:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/19 03:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/19 03:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/19 03:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/19 03:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/19 03:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/19 03:14	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/19 03:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/19 03:14	1

Client Sample ID: MW-16 102219

Lab Sample ID: 480-161408-14

Date Collected: 10/22/19 12:30

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/27/19 03:14	1
Benzene	ND		1.0	0.41	ug/L			10/27/19 03:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/19 03:14	1
Bromoform	ND		1.0	0.26	ug/L			10/27/19 03:14	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/19 03:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/19 03:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/19 03:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/19 03:14	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/19 03:14	1
Chloroform	ND		1.0	0.34	ug/L			10/27/19 03:14	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/19 03:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/19 03:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/19 03:14	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/19 03:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/19 03:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/19 03:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/19 03:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/19 03:14	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/19 03:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/19 03:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/19 03:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 03:14	1
Styrene	ND		1.0	0.73	ug/L			10/27/19 03:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 03:14	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 03:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 03:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/19 03:14	1
Trichloroethene	**1.0**		1.0	0.46	ug/L			10/27/19 03:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/19 03:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/19 03:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/19 03:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/27/19 03:14*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*10/27/19 03:14*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/27/19 03:14*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*10/27/19 03:14*	*1*

Client Sample ID: MW-10 102219

Lab Sample ID: 480-161408-15

Date Collected: 10/22/19 12:50

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			10/27/19 22:52	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			10/27/19 22:52	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			10/27/19 22:52	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			10/27/19 22:52	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			10/27/19 22:52	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			10/27/19 22:52	2

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

Job ID: 480-161408-1

Client Sample ID: MW-10 102219
Date Collected: 10/22/19 12:50
Date Received: 10/23/19 08:00

Lab Sample ID: 480-161408-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			10/27/19 22:52	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			10/27/19 22:52	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			10/27/19 22:52	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/19 22:52	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			10/27/19 22:52	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			10/27/19 22:52	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			10/27/19 22:52	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			10/27/19 22:52	2
2-Butanone (MEK)	ND		20	2.6	ug/L			10/27/19 22:52	2
2-Hexanone	ND		10	2.5	ug/L			10/27/19 22:52	2
4-Methyl-2-pentanone (MIBK)	ND	*	10	4.2	ug/L			10/27/19 22:52	2
Acetone	ND		20	6.0	ug/L			10/27/19 22:52	2
Benzene	ND		2.0	0.82	ug/L			10/27/19 22:52	2
Bromodichloromethane	ND		2.0	0.78	ug/L			10/27/19 22:52	2
Bromoform	ND		2.0	0.52	ug/L			10/27/19 22:52	2
Bromomethane	ND		2.0	1.4	ug/L			10/27/19 22:52	2
Carbon disulfide	ND		2.0	0.38	ug/L			10/27/19 22:52	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			10/27/19 22:52	2
Chlorobenzene	ND		2.0	1.5	ug/L			10/27/19 22:52	2
Chloroethane	ND		2.0	0.64	ug/L			10/27/19 22:52	2
Chloroform	ND		2.0	0.68	ug/L			10/27/19 22:52	2
Chloromethane	ND		2.0	0.70	ug/L			10/27/19 22:52	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			10/27/19 22:52	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			10/27/19 22:52	2
Cyclohexane	ND		2.0	0.36	ug/L			10/27/19 22:52	2
Dibromochloromethane	ND		2.0	0.64	ug/L			10/27/19 22:52	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			10/27/19 22:52	2
Ethylbenzene	ND		2.0	1.5	ug/L			10/27/19 22:52	2
Isopropylbenzene	ND		2.0	1.6	ug/L			10/27/19 22:52	2
Methyl acetate	ND	*	5.0	2.6	ug/L			10/27/19 22:52	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			10/27/19 22:52	2
Methylcyclohexane	ND		2.0	0.32	ug/L			10/27/19 22:52	2
Methylene Chloride	ND		2.0	0.88	ug/L			10/27/19 22:52	2
Styrene	ND		2.0	1.5	ug/L			10/27/19 22:52	2
Tetrachloroethene	ND		2.0	0.72	ug/L			10/27/19 22:52	2
Toluene	ND		2.0	1.0	ug/L			10/27/19 22:52	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			10/27/19 22:52	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			10/27/19 22:52	2
Trichloroethene	**71**		2.0	0.92	ug/L			10/27/19 22:52	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			10/27/19 22:52	2
Vinyl chloride	ND		2.0	1.8	ug/L			10/27/19 22:52	2
Xylenes, Total	ND		4.0	1.3	ug/L			10/27/19 22:52	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/27/19 22:52*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/27/19 22:52*	*2*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/27/19 22:52*	*2*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/27/19 22:52*	*2*

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

Job ID: 480-161408-1

Client Sample ID: MW-14 102219
Date Collected: 10/22/19 13:10
Date Received: 10/23/19 08:00

Lab Sample ID: 480-161408-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/27/19 23:16	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/27/19 23:16	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/27/19 23:16	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/27/19 23:16	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/27/19 23:16	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/27/19 23:16	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/27/19 23:16	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/27/19 23:16	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/27/19 23:16	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/27/19 23:16	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/27/19 23:16	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/27/19 23:16	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/27/19 23:16	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/27/19 23:16	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/27/19 23:16	5
2-Hexanone	ND		25	6.2	ug/L			10/27/19 23:16	5
4-Methyl-2-pentanone (MIBK)	ND	*	25	11	ug/L			10/27/19 23:16	5
Acetone	ND		50	15	ug/L			10/27/19 23:16	5
Benzene	ND		5.0	2.1	ug/L			10/27/19 23:16	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/27/19 23:16	5
Bromoform	ND		5.0	1.3	ug/L			10/27/19 23:16	5
Bromomethane	ND		5.0	3.5	ug/L			10/27/19 23:16	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/27/19 23:16	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/27/19 23:16	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/27/19 23:16	5
Chloroethane	ND		5.0	1.6	ug/L			10/27/19 23:16	5
Chloroform	ND		5.0	1.7	ug/L			10/27/19 23:16	5
Chloromethane	ND		5.0	1.8	ug/L			10/27/19 23:16	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			10/27/19 23:16	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/27/19 23:16	5
Cyclohexane	ND		5.0	0.90	ug/L			10/27/19 23:16	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/27/19 23:16	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/27/19 23:16	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/27/19 23:16	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/27/19 23:16	5
Methyl acetate	ND	*	13	6.5	ug/L			10/27/19 23:16	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/27/19 23:16	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/27/19 23:16	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/27/19 23:16	5
Styrene	ND		5.0	3.7	ug/L			10/27/19 23:16	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/27/19 23:16	5
Toluene	ND		5.0	2.6	ug/L			10/27/19 23:16	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/27/19 23:16	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/27/19 23:16	5
Trichloroethene	**220**		5.0	2.3	ug/L			10/27/19 23:16	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/27/19 23:16	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/27/19 23:16	5
Xylenes, Total	ND		10	3.3	ug/L			10/27/19 23:16	5

Client Sample ID: MW-14 102219

Lab Sample ID: 480-161408-16

Date Collected: 10/22/19 13:10

Matrix: Water

Date Received: 10/23/19 08:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/27/19 23:16*	*5*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/27/19 23:16*	*5*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/27/19 23:16*	*5*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/27/19 23:16*	*5*

Client Sample ID: MW-13 102219

Lab Sample ID: 480-161408-17

Date Collected: 10/22/19 13:25

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/27/19 23:41	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/27/19 23:41	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/27/19 23:41	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/27/19 23:41	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/27/19 23:41	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/27/19 23:41	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			10/27/19 23:41	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/27/19 23:41	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/27/19 23:41	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/27/19 23:41	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/27/19 23:41	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/27/19 23:41	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/27/19 23:41	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/27/19 23:41	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/27/19 23:41	4
2-Hexanone	ND		20	5.0	ug/L			10/27/19 23:41	4
4-Methyl-2-pentanone (MIBK)	ND	*	20	8.4	ug/L			10/27/19 23:41	4
Acetone	ND		40	12	ug/L			10/27/19 23:41	4
Benzene	ND		4.0	1.6	ug/L			10/27/19 23:41	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/27/19 23:41	4
Bromoform	ND		4.0	1.0	ug/L			10/27/19 23:41	4
Bromomethane	ND		4.0	2.8	ug/L			10/27/19 23:41	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/27/19 23:41	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/27/19 23:41	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/27/19 23:41	4
Chloroethane	ND		4.0	1.3	ug/L			10/27/19 23:41	4
Chloroform	ND		4.0	1.4	ug/L			10/27/19 23:41	4
Chloromethane	ND		4.0	1.4	ug/L			10/27/19 23:41	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			10/27/19 23:41	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/27/19 23:41	4
Cyclohexane	ND		4.0	0.72	ug/L			10/27/19 23:41	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/27/19 23:41	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/27/19 23:41	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/27/19 23:41	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/27/19 23:41	4
Methyl acetate	ND	*	10	5.2	ug/L			10/27/19 23:41	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/27/19 23:41	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/27/19 23:41	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/27/19 23:41	4

Client Sample ID: MW-13 102219

Lab Sample ID: 480-161408-17

Date Collected: 10/22/19 13:25

Matrix: Water

Date Received: 10/23/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.0	2.9	ug/L			10/27/19 23:41	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/27/19 23:41	4
Toluene	ND		4.0	2.0	ug/L			10/27/19 23:41	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/27/19 23:41	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/27/19 23:41	4
Trichloroethene	**260**		4.0	1.8	ug/L			10/27/19 23:41	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/27/19 23:41	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/27/19 23:41	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/27/19 23:41	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*10/27/19 23:41*	*4*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/27/19 23:41*	*4*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/27/19 23:41*	*4*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/27/19 23:41*	*4*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-161408-18

Date Collected: 10/22/19 00:00

Matrix: Water

Date Received: 10/23/19 08:00

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			10/28/19 00:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/19 00:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/28/19 00:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/28/19 00:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/28/19 00:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/28/19 00:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/28/19 00:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/28/19 00:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/28/19 00:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/28/19 00:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/28/19 00:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/28/19 00:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/28/19 00:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/28/19 00:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/28/19 00:04	1
2-Hexanone	ND		5.0	1.2	ug/L			10/28/19 00:04	1
4-Methyl-2-pentanone (MIBK)	ND	*	5.0	2.1	ug/L			10/28/19 00:04	1
Acetone	ND		10	3.0	ug/L			10/28/19 00:04	1
Benzene	ND		1.0	0.41	ug/L			10/28/19 00:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/28/19 00:04	1
Bromoform	ND		1.0	0.26	ug/L			10/28/19 00:04	1
Bromomethane	ND		1.0	0.69	ug/L			10/28/19 00:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/28/19 00:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/28/19 00:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/28/19 00:04	1
Chloroethane	ND		1.0	0.32	ug/L			10/28/19 00:04	1
Chloroform	ND		1.0	0.34	ug/L			10/28/19 00:04	1
Chloromethane	ND		1.0	0.35	ug/L			10/28/19 00:04	1

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

Job ID: 480-161408-1

Client Sample ID: TRIP BLANK
Date Collected: 10/22/19 00:00
Date Received: 10/23/19 08:00

Lab Sample ID: 480-161408-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/19 00:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/28/19 00:04	1
Cyclohexane	ND		1.0	0.18	ug/L			10/28/19 00:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/28/19 00:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/28/19 00:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/28/19 00:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/28/19 00:04	1
Methyl acetate	ND	*	2.5	1.3	ug/L			10/28/19 00:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/28/19 00:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/28/19 00:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/19 00:04	1
Styrene	ND		1.0	0.73	ug/L			10/28/19 00:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/19 00:04	1
Toluene	ND		1.0	0.51	ug/L			10/28/19 00:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/19 00:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/28/19 00:04	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/19 00:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/28/19 00:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/28/19 00:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/28/19 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*10/28/19 00:04*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/28/19 00:04*	*1*
Dibromofluoromethane (Surr)	*121*		*75 - 123*		*10/28/19 00:04*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*10/28/19 00:04*	*1*

Surrogate Summary

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

Job ID: 480-161408-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-161408-1	MW-5 102219	99	96	100	93
480-161408-2	MW-11 102219	98	96	99	94
480-161408-3	PZ-1 102219	100	99	100	94
480-161408-4	MW-6 102219	101	97	100	91
480-161408-5	PZ-2 102219	102	100	102	96
480-161408-6	MW-17 102219	99	96	100	93
480-161408-7	MW-21 102219	100	99	103	95
480-161408-8	MW-24 102219	100	96	99	93
480-161408-9	MW-22 102219	102	99	104	96
480-161408-10	MW-18 102219	99	95	101	93
480-161408-11	MW-12 102219	110	108	110	105
480-161408-12	MW-9 102219	103	99	105	95
480-161408-13	MW-15 102219	102	99	101	93
480-161408-14	MW-16 102219	100	95	100	94
480-161408-15	MW-10 102219	109	103	110	100
480-161408-16	MW-14 102219	109	101	108	101
480-161408-17	MW-13 102219	111	105	111	105
480-161408-18	TRIP BLANK	114	103	121	107
LCS 480-500427/6	Lab Control Sample	98	99	100	94
LCS 480-500533/6	Lab Control Sample	105	106	107	101
LCS 480-500538/5	Lab Control Sample	108	108	111	106
MB 480-500427/8	Method Blank	99	99	103	96
MB 480-500533/8	Method Blank	103	101	100	97
MB 480-500538/7	Method Blank	101	98	102	98

Surrogate Legend

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

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

Lab Sample ID: MB 480-500427/8
Matrix: Water
Analysis Batch: 500427

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/26/19 21:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/26/19 21:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/26/19 21:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/26/19 21:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/26/19 21:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/26/19 21:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/26/19 21:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/26/19 21:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/26/19 21:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/26/19 21:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/26/19 21:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/26/19 21:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/26/19 21:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/26/19 21:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/26/19 21:39	1
2-Hexanone	ND		5.0	1.2	ug/L			10/26/19 21:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/26/19 21:39	1
Acetone	ND		10	3.0	ug/L			10/26/19 21:39	1
Benzene	ND		1.0	0.41	ug/L			10/26/19 21:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/26/19 21:39	1
Bromoform	ND		1.0	0.26	ug/L			10/26/19 21:39	1
Bromomethane	ND		1.0	0.69	ug/L			10/26/19 21:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/26/19 21:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/26/19 21:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/26/19 21:39	1
Chloroethane	ND		1.0	0.32	ug/L			10/26/19 21:39	1
Chloroform	ND		1.0	0.34	ug/L			10/26/19 21:39	1
Chloromethane	ND		1.0	0.35	ug/L			10/26/19 21:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/26/19 21:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/26/19 21:39	1
Cyclohexane	ND		1.0	0.18	ug/L			10/26/19 21:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/26/19 21:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/26/19 21:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/26/19 21:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/26/19 21:39	1
Methyl acetate	ND		2.5	1.3	ug/L			10/26/19 21:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/26/19 21:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/26/19 21:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/26/19 21:39	1
Styrene	ND		1.0	0.73	ug/L			10/26/19 21:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/26/19 21:39	1
Toluene	ND		1.0	0.51	ug/L			10/26/19 21:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/26/19 21:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/26/19 21:39	1
Trichloroethene	ND		1.0	0.46	ug/L			10/26/19 21:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/26/19 21:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/26/19 21:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/26/19 21:39	1

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

Lab Sample ID: MB 480-500427/8
Matrix: Water
Analysis Batch: 500427

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		10/26/19 21:39	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/26/19 21:39	1
Dibromofluoromethane (Surr)	103		75 - 123		10/26/19 21:39	1
Toluene-d8 (Surr)	96		80 - 120		10/26/19 21:39	1

Lab Sample ID: LCS 480-500427/6
Matrix: Water
Analysis Batch: 500427

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	26.4		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.5		ug/L		102	61 - 148
1,1,2-Trichloroethane	25.0	23.2		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	25.4		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	19.7		ug/L		79	56 - 134
1,2-Dibromoethane	25.0	23.1		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	24.4		ug/L		98	75 - 120
1,2-Dichloropropane	25.0	24.6		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 120
2-Butanone (MEK)	125	115		ug/L		92	57 - 140
2-Hexanone	125	116		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	125	113		ug/L		90	71 - 125
Acetone	125	111		ug/L		89	56 - 142
Benzene	25.0	24.5		ug/L		98	71 - 124
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122
Bromoform	25.0	21.5		ug/L		86	61 - 132
Bromomethane	25.0	26.8		ug/L		107	55 - 144
Carbon disulfide	25.0	24.2		ug/L		97	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		102	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Chloroethane	25.0	26.9		ug/L		108	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	23.4		ug/L		93	74 - 124
Cyclohexane	25.0	25.2		ug/L		101	59 - 135
Dibromochloromethane	25.0	23.1		ug/L		92	75 - 125
Dichlorodifluoromethane	25.0	23.9		ug/L		95	59 - 135
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122
Methyl acetate	50.0	41.5		ug/L		83	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	25.1		ug/L		100	68 - 134

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

Lab Sample ID: LCS 480-500427/6
Matrix: Water
Analysis Batch: 500427

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	23.4		ug/L		93	75 - 124
Styrene	25.0	24.9		ug/L		100	80 - 120
Tetrachloroethene	25.0	24.6		ug/L		99	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	25.6		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	25.4		ug/L		102	62 - 150
Vinyl chloride	25.0	23.9		ug/L		96	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: MB 480-500533/8
Matrix: Water
Analysis Batch: 500533

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/19 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 13:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/19 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/19 13:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/19 13:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/19 13:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/19 13:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/19 13:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/19 13:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/19 13:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/19 13:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/19 13:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/19 13:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/19 13:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/19 13:15	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/19 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/19 13:15	1
Acetone	ND		10	3.0	ug/L			10/27/19 13:15	1
Benzene	ND		1.0	0.41	ug/L			10/27/19 13:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/19 13:15	1
Bromoform	ND		1.0	0.26	ug/L			10/27/19 13:15	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/19 13:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/19 13:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/19 13:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/19 13:15	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/19 13:15	1
Chloroform	ND		1.0	0.34	ug/L			10/27/19 13:15	1

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

Lab Sample ID: MB 480-500533/8
Matrix: Water
Analysis Batch: 500533

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			10/27/19 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/19 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/19 13:15	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/19 13:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/19 13:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/19 13:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/19 13:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/19 13:15	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/19 13:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/19 13:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/19 13:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 13:15	1
Styrene	ND		1.0	0.73	ug/L			10/27/19 13:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 13:15	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 13:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/19 13:15	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/19 13:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/19 13:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/19 13:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/19 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/27/19 13:15*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/27/19 13:15*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/27/19 13:15*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/27/19 13:15*	*1*

Lab Sample ID: LCS 480-500533/6
Matrix: Water
Analysis Batch: 500533

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	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.3		ug/L		97	61 - 148
1,1,2-Trichloroethane	25.0	22.8		ug/L		91	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	19.7		ug/L		79	56 - 134
1,2-Dibromoethane	25.0	23.5		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	24.7		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.5		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.8		ug/L		99	80 - 120
2-Butanone (MEK)	125	123		ug/L		99	57 - 140

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

Lab Sample ID: LCS 480-500533/6
Matrix: Water
Analysis Batch: 500533

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	125	123		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	24.5		ug/L		98	71 - 124
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
Bromoform	25.0	21.6		ug/L		86	61 - 132
Bromomethane	25.0	26.6		ug/L		106	55 - 144
Carbon disulfide	25.0	22.7		ug/L		91	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		102	72 - 134
Chlorobenzene	25.0	24.6		ug/L		99	80 - 120
Chloroethane	25.0	27.6		ug/L		111	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	22.1		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	25.6		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		97	74 - 124
Cyclohexane	25.0	24.5		ug/L		98	59 - 135
Dibromochloromethane	25.0	23.2		ug/L		93	75 - 125
Dichlorodifluoromethane	25.0	22.5		ug/L		90	59 - 135
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Isopropylbenzene	25.0	24.6		ug/L		98	77 - 122
Methyl acetate	50.0	41.8		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	24.2		ug/L		97	77 - 120
Methylcyclohexane	25.0	24.8		ug/L		99	68 - 134
Methylene Chloride	25.0	24.3		ug/L		97	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	23.6		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	23.4		ug/L		94	80 - 120
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	26.2		ug/L		105	62 - 150
Vinyl chloride	25.0	23.0		ug/L		92	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 480-500538/7
Matrix: Water
Analysis Batch: 500538

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/27/19 22:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/27/19 22:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/27/19 22:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/27/19 22:03	1

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

Lab Sample ID: MB 480-500538/7
Matrix: Water
Analysis Batch: 500538

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/27/19 22:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/27/19 22:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/27/19 22:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/27/19 22:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/27/19 22:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/27/19 22:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/27/19 22:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/27/19 22:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/27/19 22:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/27/19 22:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/27/19 22:03	1
2-Hexanone	ND		5.0	1.2	ug/L			10/27/19 22:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/27/19 22:03	1
Acetone	ND		10	3.0	ug/L			10/27/19 22:03	1
Benzene	ND		1.0	0.41	ug/L			10/27/19 22:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/27/19 22:03	1
Bromoform	ND		1.0	0.26	ug/L			10/27/19 22:03	1
Bromomethane	ND		1.0	0.69	ug/L			10/27/19 22:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/27/19 22:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/27/19 22:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/27/19 22:03	1
Chloroethane	ND		1.0	0.32	ug/L			10/27/19 22:03	1
Chloroform	ND		1.0	0.34	ug/L			10/27/19 22:03	1
Chloromethane	ND		1.0	0.35	ug/L			10/27/19 22:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/27/19 22:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/27/19 22:03	1
Cyclohexane	ND		1.0	0.18	ug/L			10/27/19 22:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/27/19 22:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/27/19 22:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/27/19 22:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/27/19 22:03	1
Methyl acetate	ND		2.5	1.3	ug/L			10/27/19 22:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/27/19 22:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/27/19 22:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/27/19 22:03	1
Styrene	ND		1.0	0.73	ug/L			10/27/19 22:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/27/19 22:03	1
Toluene	ND		1.0	0.51	ug/L			10/27/19 22:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/27/19 22:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/27/19 22:03	1
Trichloroethene	ND		1.0	0.46	ug/L			10/27/19 22:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/27/19 22:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/27/19 22:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/27/19 22:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/27/19 22:03*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/27/19 22:03*	*1*

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

Lab Sample ID: MB 480-500538/7
Matrix: Water
Analysis Batch: 500538

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/27/19 22:03*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/27/19 22:03*	*1*

Lab Sample ID: LCS 480-500538/5
Matrix: Water
Analysis Batch: 500538

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	23.8		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.3		ug/L		85	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.2		ug/L		89	61 - 148
1,1,2-Trichloroethane	25.0	21.2		ug/L		85	76 - 122
1,1-Dichloroethane	25.0	20.5		ug/L		82	77 - 120
1,1-Dichloroethene	25.0	22.1		ug/L		88	66 - 127
1,2,4-Trichlorobenzene	25.0	23.6		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	19.4		ug/L		78	56 - 134
1,2-Dibromoethane	25.0	23.4		ug/L		94	77 - 120
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	22.6		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	21.6		ug/L		86	76 - 120
1,3-Dichlorobenzene	25.0	24.1		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.4		ug/L		94	80 - 120
2-Butanone (MEK)	125	101		ug/L		81	57 - 140
2-Hexanone	125	93.7		ug/L		75	65 - 127
4-Methyl-2-pentanone (MIBK)	125	87.3	*	ug/L		70	71 - 125
Acetone	125	104		ug/L		83	56 - 142
Benzene	25.0	22.0		ug/L		88	71 - 124
Bromodichloromethane	25.0	23.6		ug/L		95	80 - 122
Bromoform	25.0	21.2		ug/L		85	61 - 132
Bromomethane	25.0	19.2		ug/L		77	55 - 144
Carbon disulfide	25.0	20.3		ug/L		81	59 - 134
Carbon tetrachloride	25.0	24.5		ug/L		98	72 - 134
Chlorobenzene	25.0	22.9		ug/L		91	80 - 120
Chloroethane	25.0	20.6		ug/L		82	69 - 136
Chloroform	25.0	22.6		ug/L		90	73 - 127
Chloromethane	25.0	20.0		ug/L		80	68 - 124
cis-1,2-Dichloroethene	25.0	22.3		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	23.5		ug/L		94	74 - 124
Cyclohexane	25.0	20.2		ug/L		81	59 - 135
Dibromochloromethane	25.0	23.5		ug/L		94	75 - 125
Dichlorodifluoromethane	25.0	16.5		ug/L		66	59 - 135
Ethylbenzene	25.0	21.8		ug/L		87	77 - 123
Isopropylbenzene	25.0	23.3		ug/L		93	77 - 122
Methyl acetate	50.0	34.3	*	ug/L		69	74 - 133
Methyl tert-butyl ether	25.0	21.7		ug/L		87	77 - 120
Methylcyclohexane	25.0	22.0		ug/L		88	68 - 134
Methylene Chloride	25.0	21.6		ug/L		86	75 - 124
Styrene	25.0	22.1		ug/L		88	80 - 120

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

Lab Sample ID: LCS 480-500538/5
Matrix: Water
Analysis Batch: 500538

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	22.8		ug/L		91	74 - 122
Toluene	25.0	21.9		ug/L		88	80 - 122
trans-1,2-Dichloroethene	25.0	22.2		ug/L		89	73 - 127
trans-1,3-Dichloropropene	25.0	22.3		ug/L		89	80 - 120
Trichloroethene	25.0	23.6		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	23.3		ug/L		93	62 - 150
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*111*		*75 - 123*
Toluene-d8 (Surr)	*106*		*80 - 120*

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

Job ID: 480-161408-1

GC/MS VOA

Analysis Batch: 500427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-161408-1	MW-5 102219	Total/NA	Water	8260C	
480-161408-2	MW-11 102219	Total/NA	Water	8260C	
480-161408-3	PZ-1 102219	Total/NA	Water	8260C	
480-161408-4	MW-6 102219	Total/NA	Water	8260C	
480-161408-5	PZ-2 102219	Total/NA	Water	8260C	
480-161408-6	MW-17 102219	Total/NA	Water	8260C	
480-161408-7	MW-21 102219	Total/NA	Water	8260C	
480-161408-8	MW-24 102219	Total/NA	Water	8260C	
480-161408-9	MW-22 102219	Total/NA	Water	8260C	
480-161408-10	MW-18 102219	Total/NA	Water	8260C	
480-161408-12	MW-9 102219	Total/NA	Water	8260C	
480-161408-13	MW-15 102219	Total/NA	Water	8260C	
480-161408-14	MW-16 102219	Total/NA	Water	8260C	
MB 480-500427/8	Method Blank	Total/NA	Water	8260C	
LCS 480-500427/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 500533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-161408-11	MW-12 102219	Total/NA	Water	8260C	
MB 480-500533/8	Method Blank	Total/NA	Water	8260C	
LCS 480-500533/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 500538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-161408-15	MW-10 102219	Total/NA	Water	8260C	
480-161408-16	MW-14 102219	Total/NA	Water	8260C	
480-161408-17	MW-13 102219	Total/NA	Water	8260C	
480-161408-18	TRIP BLANK	Total/NA	Water	8260C	
MB 480-500538/7	Method Blank	Total/NA	Water	8260C	
LCS 480-500538/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-161408-1

Client Sample ID: MW-5 102219
Lab Sample ID: 480-161408-1
Date Collected: 10/22/19 07:20
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/26/19 22:04	RJF	TAL BUF

Client Sample ID: MW-11 102219
Lab Sample ID: 480-161408-2
Date Collected: 10/22/19 07:40
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	500427	10/26/19 22:28	RJF	TAL BUF

Client Sample ID: PZ-1 102219
Lab Sample ID: 480-161408-3
Date Collected: 10/22/19 08:10
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/26/19 22:52	RJF	TAL BUF

Client Sample ID: MW-6 102219
Lab Sample ID: 480-161408-4
Date Collected: 10/22/19 08:30
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/26/19 23:16	RJF	TAL BUF

Client Sample ID: PZ-2 102219
Lab Sample ID: 480-161408-5
Date Collected: 10/22/19 08:45
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/26/19 23:39	RJF	TAL BUF

Client Sample ID: MW-17 102219
Lab Sample ID: 480-161408-6
Date Collected: 10/22/19 09:00
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	500427	10/27/19 00:04	RJF	TAL BUF

Client Sample ID: MW-21 102219
Lab Sample ID: 480-161408-7
Date Collected: 10/22/19 09:20
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/27/19 00:28	RJF	TAL BUF

Lab Chronicle

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

Job ID: 480-161408-1

Client Sample ID: MW-24 102219
Lab Sample ID: 480-161408-8
Date Collected: 10/22/19 09:40
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	500427	10/27/19 00:52	RJF	TAL BUF

Client Sample ID: MW-22 102219
Lab Sample ID: 480-161408-9
Date Collected: 10/22/19 10:05
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/27/19 01:16	RJF	TAL BUF

Client Sample ID: MW-18 102219
Lab Sample ID: 480-161408-10
Date Collected: 10/22/19 10:30
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	500427	10/27/19 01:39	RJF	TAL BUF

Client Sample ID: MW-12 102219
Lab Sample ID: 480-161408-11
Date Collected: 10/22/19 11:10
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500533	10/27/19 14:42	CRL	TAL BUF

Client Sample ID: MW-9 102219
Lab Sample ID: 480-161408-12
Date Collected: 10/22/19 11:30
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/27/19 02:27	RJF	TAL BUF

Client Sample ID: MW-15 102219
Lab Sample ID: 480-161408-13
Date Collected: 10/22/19 12:05
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/27/19 02:51	RJF	TAL BUF

Client Sample ID: MW-16 102219
Lab Sample ID: 480-161408-14
Date Collected: 10/22/19 12:30
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500427	10/27/19 03:14	RJF	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Job ID: 480-161408-1
Project/Site: Former Accurate Die Cast

Client Sample ID: MW-10 102219
Lab Sample ID: 480-161408-15
Date Collected: 10/22/19 12:50
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	500538	10/27/19 22:52	BTP	TAL BUF

Client Sample ID: MW-14 102219
Lab Sample ID: 480-161408-16
Date Collected: 10/22/19 13:10
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	500538	10/27/19 23:16	BTP	TAL BUF

Client Sample ID: MW-13 102219
Lab Sample ID: 480-161408-17
Date Collected: 10/22/19 13:25
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	500538	10/27/19 23:41	BTP	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-161408-18
Date Collected: 10/22/19 00:00
Matrix: Water
Date Received: 10/23/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	500538	10/28/19 00:04	BTP	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
Job ID: 480-161408-1
Project/Site: Former Accurate Die Cast

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

Method Summary

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

Job ID: 480-161408-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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: 480-161408-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-161408-1	MW-5 102219	Water	10/22/19 07:20	10/23/19 08:00	
480-161408-2	MW-11 102219	Water	10/22/19 07:40	10/23/19 08:00	
480-161408-3	PZ-1 102219	Water	10/22/19 08:10	10/23/19 08:00	
480-161408-4	MW-6 102219	Water	10/22/19 08:30	10/23/19 08:00	
480-161408-5	PZ-2 102219	Water	10/22/19 08:45	10/23/19 08:00	
480-161408-6	MW-17 102219	Water	10/22/19 09:00	10/23/19 08:00	
480-161408-7	MW-21 102219	Water	10/22/19 09:20	10/23/19 08:00	
480-161408-8	MW-24 102219	Water	10/22/19 09:40	10/23/19 08:00	
480-161408-9	MW-22 102219	Water	10/22/19 10:05	10/23/19 08:00	
480-161408-10	MW-18 102219	Water	10/22/19 10:30	10/23/19 08:00	
480-161408-11	MW-12 102219	Water	10/22/19 11:10	10/23/19 08:00	
480-161408-12	MW-9 102219	Water	10/22/19 11:30	10/23/19 08:00	
480-161408-13	MW-15 102219	Water	10/22/19 12:05	10/23/19 08:00	
480-161408-14	MW-16 102219	Water	10/22/19 12:30	10/23/19 08:00	
480-161408-15	MW-10 102219	Water	10/22/19 12:50	10/23/19 08:00	
480-161408-16	MW-14 102219	Water	10/22/19 13:10	10/23/19 08:00	
480-161408-17	MW-13 102219	Water	10/22/19 13:25	10/23/19 08:00	
480-161408-18	TRIP BLANK	Water	10/22/19 00:00	10/23/19 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Syracuse

Client Information	Sampler: MARTIN KOENNECKE	Lab PM: Schove, John R	Carrier Tracking #:
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com	

480-161408 Chain of Custody

Company: O'Brien & Gere Inc of North America

Address: 333 West Washington St. PO BOX 4873
City: East Syracuse
State, Zip: NY, 13221
Phone: 315-956-6100(Tel) 315-463-7554(Fax)
Email: Yuri.Veliz@obg.com
Project Name: Former Accurate Die Cast
Site:

Due Date Requested:
TAT Requested (days):
PO #: 11900114
WO #:
Project #: 48008584
SSOW#:

Analysis Requested

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW 5 102219	10-22-19	7:20	G	Water			3		
MW 11 102219	10-22-19	7:40	G	Water			3		
PZ-1 102219	10-22-19	8:10	G	Water			3		
MW 6 102219	10-22-19	8:30	G	Water			3		
PZ-2 102219	10-22-19	8:45	G	Water			3		
MW 17 102219	10-22-19	9:00	G	Water			3		
MW 21 102219	10-22-19	9:20	G	Water			3		
MW 24 102219	10-22-19	9:40	G	Water			3		
MW 22 102219	10-22-19	10:05	G	Water			3		
MW 18 102219	10-22-19	10:30	G	Water			3		
MW 12 102719	10-22-19	11:10	G	Water			3		

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Martin Koennecke	10-22-19 / 14:25	OBG	R. English	10.22.19, 14:25	Syr
2	R. English	10.22.19, 19:00	Syr	Cwalker	10/23/19 0800	TAB
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: IR1 2.7

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Syracuse

eurofins | Environment Testing TestAmerica

Client Information	Sampler: MARTIN Koenecke	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-136923-10564.2
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: john.schove@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America		Analysis Requested		Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			Preservation Codes:
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11900114			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			Other:

Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	A	X	
MW 9 102219	10-22-19	11:30	G	Water			3		
MW 15 102219	10-22-19	12:05	G	Water			3		
MW 16 102219	10-22-19	12:30	G	Water			3		
MW 10 102219	10-22-19	12:50	G	Water			3		
MW 14 102219	10-22-19	13:10	G	Water			3		
MW 13 102219	10-22-19	13:25	G	Water			3		
QC TRIP BLANK				WATER			1		

RE 10-22-19

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Martin Koenecke	Date/Time: 10-22-19 / 14:25	Company: OBG	Received by: R. Eiglick	Date/Time: 10-22-19, 14:25	Company: Syr
Relinquished by: R. Eiglick	Date/Time: 10-22-19, 19:00	Company: Syr	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-161408-1

Login Number: 161408

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	