April 26, 2016

Mr. John C. Grathwol, P.E.
Remedial Bureau B – Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7016

RE: Former Accurate Die Casting Site, Fayetteville, NY

FILE: 3902.45845 Corres

Dear Mr. Grathwol:

This letter presents the status of groundwater treatment plant operations for the former Accurate Die Casting site in Fayetteville, New York for the first quarter of 2016 (January 1, 2016 through April 1, 2016). This information is provided as required by the Order on Consent (#A7-0318-94-10). Included are the results of the monitoring activities associated with the SPDES Fact Sheet for the groundwater treatment system.

OPERATION STATUS & ACTIVITIES COMPLETED

As of April 1, 2016, a total of 109,041,920 gallons of groundwater have been treated since startup on February 5, 1996. Since December 31, 2015, 846,860 gallons of groundwater have been treated: 193,060 gallons from recovery well RW-1; 653,230 gallons from recovery well RW-2; and 570 gallons from the collection trench constructed in the former VOC/PAH/PCB Soils Area. No groundwater was recovered from the sump located outside the northeast corner of the building.

OBG performed the sampling activities associated with the SPDES Fact Sheet (#734052). The analytical results associated with the SPDES Fact Sheet monitoring activities performed during January, February and March 2016 are summarized in Table 1. The effluent during the period complied with the SPDES discharge limits. The laboratory analytical data sheets are provided as Attachment A.

On March 22, 2016 groundwater samples were collected and analyzed for volatile organic compounds for monitoring wells MW-10, MW-11, MW-13, MW-18 and MW-24. 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

Continue operation of the groundwater recovery and treatment system including SPDES monitoring.

If you have any questions regarding this report, please do not hesitate to call me at (315) 956-6316.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Alfred R. Farrell, P.E.
Project Manager

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cc: H. Warner – New York State Department of Environmental Conservation
T. Slutzky – The Anderson Company
Jeff Stanek – ITT Corporation
L. Hall – ITT Corporation
J. Sutphen – O'Brien & Gere, Office of General Counsel

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

Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	1/7/2016	1/8/2016	1/11/2016	1/15/2016	1/18/2016	1/19/2016	1/25/2016	1/26/2016	1/27/2016	1/28/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	7310	7450	7583	7790	8090	8050	8203	8320	8229	8303
pH (SU)	6.5-8.5		2/Week	Grab	7.9	7.86	7.86	7.83	7.81	7.83	7.87	7.88	7.84	7.88
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4 U			6.4	4 U		4 U			
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	743 B			682	701 B		708			
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	0.0002									
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	0.01									
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U				1.0 U					
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U				1.0 U					
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	1.0 U				1.0 U					
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	1.0 U				1.0 U					
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U				1.0 U					
Toluene (ug/L)	Monitor	20	2/Month	Grab	1.0 U				1.0 U					
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U				1.0 U					

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

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Fayetteville, New York
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Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	2/1/2016	2/5/2016	2/9/2016	2/10/2016	2/11/2016	2/12/2016	2/15/2016	2/16/2016	2/19/2016	2/22/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	8340	8580	8900	9032	9059	8909	8961	9189	9179	9658
pH (SU)	6.5-8.5		2/Week	Grab	7.85	7.85	7.85	7.86	7.87	7.82	7.86	7.87	7.86	7.87
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4 U			4 U			4 U			4 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	699 B			653			620			647
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.										
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.										
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U						1.0 U			
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U						1.0 U			
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	1.0 U						1.0 U			
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	1.0 U						1.0 U			
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U						1.0 U			
Toluene (ug/L)	Monitor	20	2/Month	Grab	1.0 U						1.0 U			
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U						1.0 U			

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

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Accurate Die Casting Site
Fayetteville, New York
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Analyte (units)	Monitoring Requirements				Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	2/23/2016	2/24/2016	2/25/2016	2/29/2016	3/2/2016	3/4/2016	3/7/2016	3/8/2016	3/10/2016	3/11/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	9790	9920	10070	10232	10445	10495	10483	10500	10505	10530
pH (SU)	6.5-8.5		2/Week	Grab	7.85	7.86	7.85	7.86	7.87	7.86	7.74	7.84	7.86	7.88
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.				4 U			4 U			
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.				648			634			
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.										
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.										
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab							1.0 U			
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab							1.0 U			
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab							1.0 U			
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab							1.0 U			
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab							1.0 U			
Toluene (ug/L)	Monitor	20	2/Month	Grab							1.0 U			
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab							1.0 U			

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

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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
	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	3/14/2016	3/16/2016	3/18/2016	3/21/2016	3/23/2016	3/24/2016	3/28/2016	3/31/2016	4/1/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	10523	10530	10485	10517	10480	10470	10470	10453	10510
pH (SU)	6.5-8.5		2/Week	Grab	7.85	7.38	7.88	7.87	7.86	7.88	7.84	7.86	7.84
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4 U			6.8					
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	649			595					
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.									
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.									
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab				1.0 U					
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab				1.0 U					
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab				1.0 U					
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab				1.0 U					
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab				1.0 U					
Toluene (ug/L)	Monitor	20	2/Month	Grab				1.0 U					
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab				1.0 U					

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

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	.4 - 39.4, 45.4 - 50	---	---	---	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.

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) 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	.4 - 39.4, 45.4 - 50	---	---	---	---	---	---	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).
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Groundwater Elevation Summary Table

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	.4 - 39.4, 45.4 - 50	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:
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) 4/18/1996	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	.4 - 39.4, 45.4 - 50	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	.4 - 39.4, 45.4 - 50	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:
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) 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	.4 - 39.4, 45.4 - 50	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:
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) 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	.4 - 39.4, 45.4 - 50	---	---	---	---	---	---	---	---	---	33.54
RW-02 (B)	91.58	95.18	-	---	---	---	---	---	---	---	---	---	43.33
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) 4/18/2013	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			
MW-01	99.36	101.11	75.4 - 85.4	78.43	75.06	77.29	75.07	80.26	75.07	76.29			
MW-02	91.8	94.68	76.6 - 86.6	84.68	83.36	85.18	83.06	85.18	83.06	84.26			
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			
MW-06	77.46	79.38	46.4 - 56.4	60.98	60.04	61.35	59.94	60.02	59.88	60.46			
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			
MW-08	88.21	91.78	53.9 - 63.9	65.6	62.66	68.38	61.32	63.93	61.36	66.44			
MW-09	102.44	104.03	49.7 - 59.7	60.71	60.05	61.43	59.97	60.01	59.88	60.47			
MW-10 (B)	97.51	97.27	43 - 53	58.67	55.39	61.91	54.73	54.25	54.85	59.77			
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			
MW-12	93.62	94.14	51.9 - 61.9	60.88	60.24	61.56	60.16	60.22	60.09	60.66			
MW-13	98.8	98.7	77.7 - 87.7	Dry	78.00	79.94	79.3	78.74	78.3	78.04			
MW-14	98.76	100.62	74.6 - 84.6	82.54	82.82	82.8	82.88	84.8	83.2	83.06			
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			
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			
MW-17	66.9	69.24	53.7 - 63.7	59.88	58.24	60.36	58.08	58.7	58	59.64			
MW-18	76.5	78.29	61.5 - 71.5	74.27	71.07	74.83	70.77	73.63	70.23	73.59			
MW-19	69.5	71.27	46.5 - 56.5	Dry	Dry	Dry	Dry	Dry	47.13	47.12			
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			
MW-22	71.5	73.34	60.9 - 65.9	68.3	66.39	68.04	66.8	68.18	66.92	68.14			
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			
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			
PZ-02	80.6	83.06	42.8 - 52.8	60.51	59.88	61.14	59.78	59.84	59.72	60.28			
RW-01	78.4	80.28	.4 - 39.4, 45.4 - 50	34.88	34.38	34.88	34.88	33.93	34.14	33.53			
RW-02 (B)	91.58	95.18	-	54.73	44.02	58.94	44.18	44.8	43.54	56.36			
SUMP		97.93	-	---	---	---	---	---	---	---			

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

Sample Date Location ID	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
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:

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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 / Location ID	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
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	---	---	---

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

Sample Date / Location ID	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
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

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

Sample Date / Location ID	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
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

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

Sample Date / Location ID	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
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

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

Sample Date / Location ID	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
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:

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

Sample Date Location ID	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
MW-01	---	---	---	---	---	---
MW-02	---	---	---	---	---	---
MW-03	---	---	---	---	---	---
MW-04	---	---	---	---	---	---
MW-05	73	---	53	---	55	---
MW-06	64	---	82	---	79	---
MW-07	---	---	---	---	---	---
MW-08	---	---	---	---	---	---
MW-09	52	---	45	---	46	---
MW-10	84	310	56	96	100	270
MW-11	760	470	640	690	680	560
MW-12	16	---	21	---	16	---
MW-13	290	190	260	210	260	220
MW-14	1600	210	300	---	200	---
MW-15	0.69 J	---	1U	---	0.82 J	---
MW-16	1.5	---	1.5	---	1.5	---
MW-17	330	---	260		190	
MW-18	1700	650	1500	960	1500 F1	1200
MW-20	---	---	---	---	---	---
MW-21	15	---	15	---	18	---
MW-22	1.5	---	11	---	9.5	---
MW-23	---	---	---	---	---	---
MW-24	530	220	400	230	380	320
PZ-01	90	---	77	---	63	---
PZ-02	97	---	89	---	83	---

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-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

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-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
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-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

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	4/8/2005	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
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-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

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	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
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-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-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

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	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
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-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-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

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	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
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-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

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	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
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-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-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

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	11/10/2001	**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**
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-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

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	10/21/1996	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
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-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

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.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-93659-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
1/18/2016 12:35:15 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-93659-1

Qualifiers

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.

General Chemistry

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-93659-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-93659-1

Receipt
The samples were received on 1/8/2016 1:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.3º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT 010716 (480-93659-5). Elevated reporting limits (RLs) are provided.

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

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

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

Detection Summary

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

TestAmerica Job ID: 480-93659-1

Client Sample ID: EFFLUENT 010716 — Lab Sample ID: 480-93659-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	743	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	4.0		4.0	4.0	mg/L	1		SM 2540D	Total/NA

Client Sample ID: BETWEEN CARBONS 010716 — Lab Sample ID: 480-93659-2

No Detections.

Client Sample ID: INFLUENT 010716 — Lab Sample ID: 480-93659-3

No Detections.

Client Sample ID: EFFLUENT 010716 — Lab Sample ID: 480-93659-4

No Detections.

Client Sample ID: INFLUENT 010716 — Lab Sample ID: 480-93659-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	350		8.0	3.7	ug/L	8		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 010716

Lab Sample ID: 480-93659-1
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		01/11/16 07:23	01/11/16 15:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/12/16 09:15	01/12/16 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	743	B	10.0	4.0	mg/L			01/11/16 03:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	4.0		4.0	4.0	mg/L			01/11/16 21:52	1

Client Sample ID: BETWEEN CARBONS 010716

Lab Sample ID: 480-93659-2
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/12/16 15:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/12/16 15:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/16 15:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/16 15:17	1
Toluene	ND		1.0	0.51	ug/L			01/12/16 15:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/16 15:17	1
Trichloroethene	ND		1.0	0.46	ug/L			01/12/16 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*		*01/12/16 15:17*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*01/12/16 15:17*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*01/12/16 15:17*	*1*
Dibromofluoromethane (Surr)	*122*		*60 - 140*		*01/12/16 15:17*	*1*

Client Sample ID: INFLUENT 010716

Lab Sample ID: 480-93659-3
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		01/11/16 07:23	01/11/16 15:27	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/12/16 09:15	01/12/16 17:10	1

Client Sample ID: EFFLUENT 010716

Lab Sample ID: 480-93659-4
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/12/16 15:41	1

Client Sample ID: EFFLUENT 010716

Lab Sample ID: 480-93659-4
Matrix: Water
Date Collected: 01/07/16 07:30
Date Received: 01/08/16 01:25

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			01/12/16 15:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/16 15:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/16 15:41	1
Toluene	ND		1.0	0.51	ug/L			01/12/16 15:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/16 15:41	1
Trichloroethene	ND		1.0	0.46	ug/L			01/12/16 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*01/12/16 15:41*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/12/16 15:41*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*		*01/12/16 15:41*	*1*
Dibromofluoromethane (Surr)	*118*		*60 - 140*		*01/12/16 15:41*	*1*

Client Sample ID: INFLUENT 010716

Lab Sample ID: 480-93659-5
Matrix: Water
Date Collected: 01/07/16 07:30
Date Received: 01/08/16 01:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			01/12/16 16:04	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			01/12/16 16:04	8
Methylene Chloride	ND		8.0	3.5	ug/L			01/12/16 16:04	8
Tetrachloroethene	ND		8.0	2.9	ug/L			01/12/16 16:04	8
Toluene	ND		8.0	4.1	ug/L			01/12/16 16:04	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			01/12/16 16:04	8
Trichloroethene	**350**		8.0	3.7	ug/L			01/12/16 16:04	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*01/12/16 16:04*	*8*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*01/12/16 16:04*	*8*
Toluene-d8 (Surr)	*104*		*71 - 126*		*01/12/16 16:04*	*8*
Dibromofluoromethane (Surr)	*121*		*60 - 140*		*01/12/16 16:04*	*8*

Surrogate Summary

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

TestAmerica Job ID: 480-93659-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(60-140)
480-93659-2	BETWEEN CARBONS 010716	120	103	105	122
480-93659-4	EFFLUENT 010716	119	102	104	118
480-93659-5	INFLUENT 010716	119	104	104	121
LCS 480-283130/5	Lab Control Sample	119	105	105	122
MB 480-283130/7	Method Blank	120	101	104	124

Surrogate Legend

12DCE = 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 480-283130/7
Matrix: Water
Analysis Batch: 283130

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			01/12/16 11:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/12/16 11:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/16 11:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/16 11:31	1
Toluene	ND		1.0	0.51	ug/L			01/12/16 11:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/16 11:31	1
Trichloroethene	ND		1.0	0.46	ug/L			01/12/16 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*66 - 137*		*01/12/16 11:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*01/12/16 11:31*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*		*01/12/16 11:31*	*1*
Dibromofluoromethane (Surr)	*124*		*60 - 140*		*01/12/16 11:31*	*1*

Lab Sample ID: LCS 480-283130/5
Matrix: Water
Analysis Batch: 283130

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
Trichloroethene	25.0	26.1		ug/L		105	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Toluene-d8 (Surr)	*105*		*71 - 126*
Dibromofluoromethane (Surr)	*122*		*60 - 140*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-282826/1-A
Matrix: Water
Analysis Batch: 283140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 282826

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.00150	J	0.010	0.0015	mg/L		01/11/16 07:23	01/11/16 14:24	1

Lab Sample ID: LCS 480-282826/2-A
Matrix: Water
Analysis Batch: 283140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 282826

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.191		mg/L		95	80 - 120

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

Lab Sample ID: LCSD 480-282826/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 283140 — **Prep Batch: 282826**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc			0.200	0.193		mg/L		97	80 - 120	1	20

Lab Sample ID: 480-93659-1 MS — **Client Sample ID: EFFLUENT 010716**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 283140 — **Prep Batch: 282826**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	ND		0.200	0.192		mg/L		96	75 - 125

Lab Sample ID: 480-93659-1 MSD — **Client Sample ID: EFFLUENT 010716**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 283140 — **Prep Batch: 282826**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	ND		0.200	0.189		mg/L		95	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-283118/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 283343 — **Prep Batch: 283118**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/12/16 09:15	01/12/16 16:36	1

Lab Sample ID: LCS 480-283118/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 283343 — **Prep Batch: 283118**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury			0.00667	0.00695		mg/L		104	80 - 120

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

Lab Sample ID: MB 480-283087/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 283087

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			01/11/16 21:52	1

Lab Sample ID: LCS 480-283087/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 283087

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids			230	226.4		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-282912/1
Matrix: Water
Analysis Batch: 282912

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	4.00	J	10.0	4.0	mg/L			01/11/16 03:39	1

Lab Sample ID: LCS 480-282912/2
Matrix: Water
Analysis Batch: 282912

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	510.0		mg/L		102	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-93659-1

GC/MS VOA

Analysis Batch: 283130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93659-2	BETWEEN CARBONS 010716	Total/NA	Water	8260C	
480-93659-4	EFFLUENT 010716	Total/NA	Water	8260C	
480-93659-5	INFLUENT 010716	Total/NA	Water	8260C	
LCS 480-283130/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-283130/7	Method Blank	Total/NA	Water	8260C	

Metals

Prep Batch: 282826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93659-1	EFFLUENT 010716	Total/NA	Water	3005A	
480-93659-1 MS	EFFLUENT 010716	Total/NA	Water	3005A	
480-93659-1 MSD	EFFLUENT 010716	Total/NA	Water	3005A	
480-93659-3	INFLUENT 010716	Total/NA	Water	3005A	
LCS 480-282826/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-282826/3-A	Lab Control Sample Dup	Total/NA	Water	3005A	
MB 480-282826/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 283118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93659-1	EFFLUENT 010716	Total/NA	Water	7470A	
480-93659-3	INFLUENT 010716	Total/NA	Water	7470A	
LCS 480-283118/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-283118/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 283140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93659-1	EFFLUENT 010716	Total/NA	Water	6010C	282826
480-93659-1 MS	EFFLUENT 010716	Total/NA	Water	6010C	282826
480-93659-1 MSD	EFFLUENT 010716	Total/NA	Water	6010C	282826
480-93659-3	INFLUENT 010716	Total/NA	Water	6010C	282826
LCS 480-282826/2-A	Lab Control Sample	Total/NA	Water	6010C	282826
LCSD 480-282826/3-A	Lab Control Sample Dup	Total/NA	Water	6010C	282826
MB 480-282826/1-A	Method Blank	Total/NA	Water	6010C	282826

Analysis Batch: 283343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93659-1	EFFLUENT 010716	Total/NA	Water	7470A	283118
480-93659-3	INFLUENT 010716	Total/NA	Water	7470A	283118
LCS 480-283118/2-A	Lab Control Sample	Total/NA	Water	7470A	283118
MB 480-283118/1-A	Method Blank	Total/NA	Water	7470A	283118

General Chemistry

Analysis Batch: 282912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93659-1	EFFLUENT 010716	Total/NA	Water	SM2540 C	
LCS 480-282912/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-282912/1	Method Blank	Total/NA	Water	SM2540 C	

General Chemistry (Continued)

Analysis Batch: 283087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93659-1	EFFLUENT 010716	Total/NA	Water	SM 2540D	
LCS 480-283087/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-283087/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-93659-1

Client Sample ID: EFFLUENT 010716
Lab Sample ID: 480-93659-1
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			282826	01/11/16 07:23	CMM	TAL BUF
Total/NA	Analysis	6010C		1	283140	01/11/16 15:02	AMH	TAL BUF
Total/NA	Prep	7470A			283118	01/12/16 09:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	283343	01/12/16 17:08	TAS	TAL BUF
Total/NA	Analysis	SM 2540D		1	283087	01/11/16 21:52	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	282912	01/11/16 03:39	CDC	TAL BUF

Client Sample ID: BETWEEN CARBONS 010716
Lab Sample ID: 480-93659-2
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	283130	01/12/16 15:17	SWO	TAL BUF

Client Sample ID: INFLUENT 010716
Lab Sample ID: 480-93659-3
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			282826	01/11/16 07:23	CMM	TAL BUF
Total/NA	Analysis	6010C		1	283140	01/11/16 15:27	AMH	TAL BUF
Total/NA	Prep	7470A			283118	01/12/16 09:15	TAS	TAL BUF
Total/NA	Analysis	7470A		1	283343	01/12/16 17:10	TAS	TAL BUF

Client Sample ID: EFFLUENT 010716
Lab Sample ID: 480-93659-4
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	283130	01/12/16 15:41	SWO	TAL BUF

Client Sample ID: INFLUENT 010716
Lab Sample ID: 480-93659-5
Date Collected: 01/07/16 07:30
Matrix: Water
Date Received: 01/08/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		8	283130	01/12/16 16:04	SWO	TAL BUF

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

Certification Summary

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

TestAmerica Job ID: 480-93659-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

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

TestAmerica Job ID: 480-93659-1

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

Protocol References:

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

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-93659-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-93659-1	EFFLUENT 010716	Water	01/07/16 07:30	01/08/16 01:25
480-93659-2	BETWEEN CARBONS 010716	Water	01/07/16 07:30	01/08/16 01:25
480-93659-3	INFLUENT 010716	Water	01/07/16 07:30	01/08/16 01:25
480-93659-4	EFFLUENT 010716	Water	01/07/16 07:30	01/08/16 01:25
480-93659-5	INFLUENT 010716	Water	01/07/16 07:30	01/08/16 01:25

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-76300-10589.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 #: 11312000EST
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 - Na2S2SO3
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	8280C - Volatile Organic Compounds	6010C - Zinc	7470A - Mercury	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	D	D		
Effluent 010716	1-7-16	730	C	Water			1	1		1	1	4	
Between Carbons 010716	1-7-16	7:30	G	Water					3			3	
Inffluent 010716	1-7-16	7:30	C	Water						1	1	2	
Effluent 010716	1-7-16	730	G	water					3			3	
Influent 010716	1-7-16	7:30	G	water					3			3	

480-93659 Chain of Custody

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

Sample Disposal (A fee may be assessed if ☐ Return To Client ☐ Disposal By L

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	1-7-16 / 9:55	OBG		1-7-16	9:55
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	1-7-16 1900	SYR		TAB 1-8-16	0125
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: 0.3 #2

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1/18/2016

483325 - Syracuse SC

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-93659-1

Login Number: 93659
List Number: 1
Creator: Janish, Carl M

List Source: 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.	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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-94047-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
1/21/2016 9:59:52 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-94047-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-94047-1

Job ID: 480-94047-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-94047-1

Receipt
The sample was received on 1/16/2016 1:25 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7° C.

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

Detection Summary

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

TestAmerica Job ID: 480-94047-1

Client Sample ID: EFFLUENT 011516

Lab Sample ID: 480-94047-1

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

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	6.4		4.0	4.0	mg/L	1		SM 2540D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 480-94047-1

Client Sample ID: EFFLUENT 011516
Date Collected: 01/15/16 07:30
Date Received: 01/16/16 01:25

Lab Sample ID: 480-94047-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	682		10.0	4.0	mg/L			01/18/16 20:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.4		4.0	4.0	mg/L			01/18/16 23:07	1

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

Lab Sample ID: MB 480-284042/1
Matrix: Water
Analysis Batch: 284042

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			01/18/16 23:07	1

Lab Sample ID: LCS 480-284042/2
Matrix: Water
Analysis Batch: 284042

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	246.0		mg/L		102	88 - 110		

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-284037/1
Matrix: Water
Analysis Batch: 284037

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			01/18/16 20:59	1

Lab Sample ID: LCS 480-284037/2
Matrix: Water
Analysis Batch: 284037

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	496.0		mg/L		99	85 - 115		

Lab Sample ID: 480-94047-1 DU
Matrix: Water
Analysis Batch: 284037

Client Sample ID: EFFLUENT 011516
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	682			674.0		mg/L				1	10

QC Association Summary

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

TestAmerica Job ID: 480-94047-1

General Chemistry

Analysis Batch: 284037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94047-1	EFFLUENT 011516	Total/NA	Water	SM2540 C	
480-94047-1 DU	EFFLUENT 011516	Total/NA	Water	SM2540 C	
LCS 480-284037/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-284037/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 284042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94047-1	EFFLUENT 011516	Total/NA	Water	SM 2540D	
LCS 480-284042/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-284042/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-94047-1

Client Sample ID: EFFLUENT 011516
Date Collected: 01/15/16 07:30
Date Received: 01/16/16 01:25

Lab Sample ID: 480-94047-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	284042	01/18/16 23:07	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	284037	01/18/16 20:59	CDC	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-94047-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

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

TestAmerica Job ID: 480-94047-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-94047-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94047-1	EFFLUENT 011516	Water	01/15/16 07:30	01/16/16 01:25

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-59362-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-479-1300	E-Mail: orlette.johnson@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 #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

480-94047 Chain of Custody

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 - Na2S2SO3
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 Solid	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 011516	1-15-16	7:30	C	Water			1	1	2	

RT
1-15-16

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	1-15-16 / 10:40	OBG		1-15-16	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1-16-16 0125	Company TAS
3	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: 0.7 #2

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1/21/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-94047-1

Login Number: 94047
List Number: 1
Creator: Williams, Christopher S

List Source: 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.	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.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-94088-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
1/21/2016 4:08:08 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-94088-1

Qualifiers

General Chemistry

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-94088-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-94088-1

Receipt
The samples were received on 1/19/2016 12:00 PM; 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
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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

Detection Summary

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

TestAmerica Job ID: 480-94088-1

Client Sample ID: EFFLUENT 011816 — Lab Sample ID: 480-94088-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	701	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 011816 — Lab Sample ID: 480-94088-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 011816

Lab Sample ID: 480-94088-1
Date Collected: 01/18/16 07:30
Matrix: Water
Date Received: 01/19/16 12:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	701	B	10.0	4.0	mg/L			01/19/16 13:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/20/16 12:49	1

Client Sample ID: EFFLUENT 011816

Lab Sample ID: 480-94088-2
Date Collected: 01/18/16 07:30
Matrix: Water
Date Received: 01/19/16 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/16 01:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/16 01:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/16 01:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/16 01:29	1
Toluene	ND		1.0	0.51	ug/L			01/20/16 01:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/16 01:29	1
Trichloroethene	ND		1.0	0.46	ug/L			01/20/16 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*01/20/16 01:29*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*01/20/16 01:29*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*01/20/16 01:29*	*1*
Dibromofluoromethane (Surr)	*113*		*60 - 140*		*01/20/16 01:29*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-94088-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(60-140)
480-94088-2	EFFLUENT 011816	105	104	96	113
LCS 480-284195/4	Lab Control Sample	103	109	100	108
MB 480-284195/6	Method Blank	100	102	96	112

Surrogate Legend

12DCE = 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 480-284195/6
Matrix: Water
Analysis Batch: 284195

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			01/19/16 22:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/19/16 22:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/19/16 22:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/19/16 22:46	1
Toluene	ND		1.0	0.51	ug/L			01/19/16 22:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/19/16 22:46	1
Trichloroethene	ND		1.0	0.46	ug/L			01/19/16 22:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*01/19/16 22:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/19/16 22:46*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*01/19/16 22:46*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*01/19/16 22:46*	*1*

Lab Sample ID: LCS 480-284195/4
Matrix: Water
Analysis Batch: 284195

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	74 - 124
Tetrachloroethene	25.0	25.6		ug/L		103	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
Trichloroethene	25.0	25.4		ug/L		102	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Toluene-d8 (Surr)	*100*		*71 - 126*
Dibromofluoromethane (Surr)	*108*		*60 - 140*

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

Lab Sample ID: MB 480-284291/1
Matrix: Water
Analysis Batch: 284291

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			01/20/16 12:49	1

Lab Sample ID: LCS 480-284291/2
Matrix: Water
Analysis Batch: 284291

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	235	234.8		mg/L		100	88 - 110

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

TestAmerica Job ID: 480-94088-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-284144/1
Matrix: Water
Analysis Batch: 284144

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	4.00	J	10.0	4.0	mg/L			01/19/16 13:02	1

Lab Sample ID: LCS 480-284144/2
Matrix: Water
Analysis Batch: 284144

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	513.0		mg/L		102	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-94088-1

GC/MS VOA

Analysis Batch: 284195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94088-2	EFFLUENT 011816	Total/NA	Water	8260C	
LCS 480-284195/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-284195/6	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 284144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94088-1	EFFLUENT 011816	Total/NA	Water	SM2540 C	
LCS 480-284144/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-284144/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 284291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94088-1	EFFLUENT 011816	Total/NA	Water	SM 2540D	
LCS 480-284291/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-284291/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-94088-1

Client Sample ID: EFFLUENT 011816

Lab Sample ID: 480-94088-1

Date Collected: 01/18/16 07:30

Matrix: Water

Date Received: 01/19/16 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	284291	01/20/16 12:49	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	284144	01/19/16 13:02	EKB	TAL BUF

Client Sample ID: EFFLUENT 011816

Lab Sample ID: 480-94088-2

Date Collected: 01/18/16 07:30

Matrix: Water

Date Received: 01/19/16 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284195	01/20/16 01:29	GTG	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-94088-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

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

TestAmerica Job ID: 480-94088-1

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

Protocol References:

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

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-94088-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94088-1	EFFLUENT 011816	Water	01/18/16 07:30	01/19/16 12:00
480-94088-2	EFFLUENT 011816	Water	01/18/16 07:30	01/19/16 12:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN KOENNECKE	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-59350-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 #: 11312000EST			
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
M - Hexane
N - None
O - AsNaO2
...4S
...O3
...2SO3
...4
...odecahydrate
...ie
...specify)

480-94088 Chain of Custody

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 co	Special Instructions/Note:
Preservation Code:							N	N	A													
Effluent 011816	1-18-16	730	C	Water			1	1													2	
Effluent 011816	1-18-16	730	G	water					3												3	
		RE																				
		1-18-16																				

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	1-18-16 / 10:25	OBG	RE-1/19/16	1-18-16, 10:25	Syr
2	RE-1/19/16	1-18-16, 15:00	Syr		1/19/16 1200	
3	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: 3.1

Page 15 of 16
1/21/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-94088-1

Login Number: 94088
List Number: 1
Creator: Williams, Christopher S

List Source: 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.	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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-94346-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
1/29/2016 4:48:36 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

Table of Contents

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

TestAmerica Job ID: 480-94346-1

Glossary

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

Job ID: 480-94346-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-94346-1

Receipt
The sample was received on 1/26/2016 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º 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

TestAmerica Job ID: 480-94346-1

Client Sample ID: EFFLUENT 012516

Lab Sample ID: 480-94346-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	708		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 480-94346-1

Client Sample ID: EFFLUENT 012516
Date Collected: 01/25/16 07:30
Date Received: 01/26/16 10:00

Lab Sample ID: 480-94346-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**708**		10.0	4.0	mg/L			01/28/16 01:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/27/16 13:42	1

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

Lab Sample ID: MB 480-285175/1
Matrix: Water
Analysis Batch: 285175

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			01/27/16 13:42	1

Lab Sample ID: LCS 480-285175/2
Matrix: Water
Analysis Batch: 285175

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			256	256.8		mg/L		100	88 - 110		

Lab Sample ID: 480-94346-1 DU
Matrix: Water
Analysis Batch: 285175

Client Sample ID: EFFLUENT 012516
Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-285231/1
Matrix: Water
Analysis Batch: 285231

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			01/28/16 01:14	1

Lab Sample ID: LCS 480-285231/2
Matrix: Water
Analysis Batch: 285231

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	529.0		mg/L		106	85 - 115		

QC Association Summary

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

TestAmerica Job ID: 480-94346-1

General Chemistry

Analysis Batch: 285175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94346-1	EFFLUENT 012516	Total/NA	Water	SM 2540D	
480-94346-1 DU	EFFLUENT 012516	Total/NA	Water	SM 2540D	
LCS 480-285175/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-285175/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 285231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94346-1	EFFLUENT 012516	Total/NA	Water	SM2540 C	
LCS 480-285231/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-285231/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-94346-1

Client Sample ID: EFFLUENT 012516
Date Collected: 01/25/16 07:30
Date Received: 01/26/16 10:00

Lab Sample ID: 480-94346-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	285175	01/27/16 13:42	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	285231	01/28/16 01:14	CDC	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-94346-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16

Method Summary

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

TestAmerica Job ID: 480-94346-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-94346-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94346-1	EFFLUENT 012516	Water	01/25/16 07:30	01/26/16 10:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-59362-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, Acetone, MCAA, ph 4-5, other (specify)
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

480-94346 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 Num	Special Instructions/Note:
			Preservation Code:		X	X	N	N		
Effluent 01 2516	1-25-16	7:30	C	Water			1	1	2	

Page 19 of 44

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	1-25-16 / 12:05	OBG	RE 1/25/16	1-25-16, 12:05	Syr
2	RE 1/25/16	1-25-16, 19:02	Syr		1/26/16 1000	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0 RE

1/29/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-94346-1

Login Number: 94346
List Number: 1
Creator: Williams, Christopher S

List Source: 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.	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.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-94569-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
2/19/2016 8:18:42 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-94569-1

Qualifiers

General Chemistry

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

TestAmerica Job ID: 480-94569-1

Job ID: 480-94569-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-94569-1

Receipt
The samples were received on 2/2/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

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

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

Detection Summary

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

TestAmerica Job ID: 480-94569-1

Client Sample ID: EFFLUENT 020116 — Lab Sample ID: 480-94569-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	699	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 020116 — Lab Sample ID: 480-94569-2

No Detections.

Client Sample ID: EFFLUENT 020116 — Lab Sample ID: 480-94569-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 020116

Lab Sample ID: 480-94569-1
Date Collected: 02/01/16 07:30
Matrix: Water
Date Received: 02/02/16 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	699	B	10.0	4.0	mg/L			02/04/16 01:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/02/16 15:25	1

Client Sample ID: BETWEEN CARBONS 020116

Lab Sample ID: 480-94569-2
Date Collected: 02/01/16 07:30
Matrix: Water
Date Received: 02/02/16 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/02/16 12:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/02/16 12:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/02/16 12:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/02/16 12:12	1
Toluene	ND		1.0	0.51	ug/L			02/02/16 12:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/02/16 12:12	1
Trichloroethene	ND		1.0	0.46	ug/L			02/02/16 12:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*66 - 137*		*02/02/16 12:12*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/02/16 12:12*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*02/02/16 12:12*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*02/02/16 12:12*	*1*

Client Sample ID: EFFLUENT 020116

Lab Sample ID: 480-94569-3
Date Collected: 02/01/16 07:30
Matrix: Water
Date Received: 02/02/16 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/02/16 12:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/02/16 12:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/02/16 12:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/02/16 12:38	1
Toluene	ND		1.0	0.51	ug/L			02/02/16 12:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/02/16 12:38	1
Trichloroethene	ND		1.0	0.46	ug/L			02/02/16 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 137*		*02/02/16 12:38*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/02/16 12:38*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*02/02/16 12:38*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*		*02/02/16 12:38*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-94569-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (66-137)	BFB (73-120)	TOL (71-126)	DBFM (60-140)
480-94569-2	BETWEEN CARBONS 020116	86	104	94	93
480-94569-3	EFFLUENT 020116	87	101	91	94
LCS 480-285801/5	Lab Control Sample	87	109	95	93
MB 480-285801/7	Method Blank	90	103	92	93

Surrogate Legend

12DCE = 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 480-285801/7
Matrix: Water
Analysis Batch: 285801

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			02/02/16 11:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/02/16 11:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/02/16 11:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/02/16 11:37	1
Toluene	ND		1.0	0.51	ug/L			02/02/16 11:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/02/16 11:37	1
Trichloroethene	ND		1.0	0.46	ug/L			02/02/16 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*66 - 137*		*02/02/16 11:37*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*02/02/16 11:37*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*		*02/02/16 11:37*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*02/02/16 11:37*	*1*

Lab Sample ID: LCS 480-285801/5
Matrix: Water
Analysis Batch: 285801

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	22.8		ug/L		91	73 - 127
Trichloroethene	25.0	24.5		ug/L		98	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*66 - 137*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Toluene-d8 (Surr)	*95*		*71 - 126*
Dibromofluoromethane (Surr)	*93*		*60 - 140*

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

Lab Sample ID: MB 480-285912/1
Matrix: Water
Analysis Batch: 285912

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/02/16 15:25	1

Lab Sample ID: LCS 480-285912/2
Matrix: Water
Analysis Batch: 285912

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	244.8		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-286171/1
Matrix: Water
Analysis Batch: 286171

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	7.00	J	10.0	4.0	mg/L			02/04/16 01:46	1

Lab Sample ID: LCS 480-286171/2
Matrix: Water
Analysis Batch: 286171

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	503	506.0		mg/L		101	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-94569-1

GC/MS VOA

Analysis Batch: 285801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94569-2	BETWEEN CARBONS 020116	Total/NA	Water	8260C	
480-94569-3	EFFLUENT 020116	Total/NA	Water	8260C	
LCS 480-285801/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-285801/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 285912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94569-1	EFFLUENT 020116	Total/NA	Water	SM 2540D	
LCS 480-285912/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-285912/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 286171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94569-1	EFFLUENT 020116	Total/NA	Water	SM2540 C	
LCS 480-286171/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-286171/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-94569-1

Client Sample ID: EFFLUENT 020116
Lab Sample ID: 480-94569-1
Date Collected: 02/01/16 07:30
Matrix: Water
Date Received: 02/02/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	285912	02/02/16 15:25	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	286171	02/04/16 01:46	CDC	TAL BUF

Client Sample ID: BETWEEN CARBONS 020116
Lab Sample ID: 480-94569-2
Date Collected: 02/01/16 07:30
Matrix: Water
Date Received: 02/02/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	285801	02/02/16 12:12	GVF	TAL BUF

Client Sample ID: EFFLUENT 020116
Lab Sample ID: 480-94569-3
Date Collected: 02/01/16 07:30
Matrix: Water
Date Received: 02/02/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	285801	02/02/16 12:38	GVF	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-94569-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-94569-1

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

Protocol References:

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

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-94569-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94569-1	EFFLUENT 020116	Water	02/01/16 07:30	02/02/16 10:00
480-94569-2	BETWEEN CARBONS 020116	Water	02/01/16 07:30	02/02/16 10:00
480-94569-3	EFFLUENT 020116	Water	02/01/16 07:30	02/02/16 10:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koenuecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-78319-10588.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 #: 11312000EST			
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:

480-94569 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 containers	Special Instructions/Note:
				Preservation Code:			N	N	A		
Effluent 020116	2-1-16	7:30	C	Water			1	1		2	
Between Carbons 020116	2-1-16	7:30	G	Water					3	3	
Effluent 020116	2-1-16	7:30	G	Water					3	3	

RC 2-1-16

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: 2-1-16 / 10:20	Company: OBG	Received by: R Eveleigh	Date/Time: 2-1-16, 10:20	Company: Syr
Relinquished by: R Eveleigh	Date/Time: 2-1-16, 19:00	Company: Syr	Received by: [illegible]	Date/Time: 2/2/16 1000	Company: [illegible]
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: 2.3 #2

2/19/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-94569-1

Login Number: 94569
List Number: 1
Creator: Janish, Carl M

List Source: 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.	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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-95088-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
2/23/2016 1:16:50 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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Table of Contents

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

TestAmerica Job ID: 480-95088-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-95088-1

Job ID: 480-95088-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95088-1

Receipt
The sample was received on 2/11/2016 1:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1° 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

TestAmerica Job ID: 480-95088-1

Client Sample ID: EFFLUENT 021016

Lab Sample ID: 480-95088-1

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

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 480-95088-1

Client Sample ID: EFFLUENT 021016
Date Collected: 02/10/16 07:30
Date Received: 02/11/16 01:00

Lab Sample ID: 480-95088-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**653**		10.0	4.0	mg/L			02/16/16 19:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/17/16 10:37	1

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

Lab Sample ID: MB 480-287473/1
Matrix: Water
Analysis Batch: 287473

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/17/16 10:37	1

Lab Sample ID: LCS 480-287473/2
Matrix: Water
Analysis Batch: 287473

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	238	235.6		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-287368/1
Matrix: Water
Analysis Batch: 287368

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			02/16/16 19:44	1

Lab Sample ID: LCS 480-287368/2
Matrix: Water
Analysis Batch: 287368

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	503	481.0		mg/L		96	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-95088-1

General Chemistry

Analysis Batch: 287368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95088-1	EFFLUENT 021016	Total/NA	Water	SM2540 C	
LCS 480-287368/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-287368/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 287473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95088-1	EFFLUENT 021016	Total/NA	Water	SM 2540D	
LCS 480-287473/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-287473/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-95088-1

Client Sample ID: EFFLUENT 021016
Date Collected: 02/10/16 07:30
Date Received: 02/11/16 01:00

Lab Sample ID: 480-95088-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	287473	02/17/16 10:37	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	287368	02/16/16 19:44	MGH	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-95088-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-95088-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-95088-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95088-1	EFFLUENT 021016	Water	02/10/16 07:30	02/11/16 01:00

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-39999-10588.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@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 #: 11312000EST			
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 - Na2S2SO3
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	[redacted]	480-95088 Chain of Custody	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N				
Effluent 021016	2-10-16	730	C	Water			1	1			2	
[redacted]				Water								
		RE										
		2-10-16										

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	2-10-16 / 1035	OBG	RE FedEx	2-10-16 1035	Syr
2	RE FedEx	2-10-16, 1900	Syr	[signature]	2-11-16 0100	TRB
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	1.1	#2

Page 13 of 14

2/23/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-95088-1

Login Number: 95088
List Number: 1
Creator: Williams, Christopher S

List Source: 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.	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.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-95270-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
2/29/2016 5:54:02 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-95270-1

Glossary

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

Job ID: 480-95270-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95270-1

Receipt
The samples were received on 2/16/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

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

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

Detection Summary

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

TestAmerica Job ID: 480-95270-1

Client Sample ID: EFFLUENT 021516 — Lab Sample ID: 480-95270-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	620		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 021516 — Lab Sample ID: 480-95270-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 021516

Lab Sample ID: 480-95270-1
Date Collected: 02/15/16 07:30
Matrix: Water
Date Received: 02/16/16 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**620**		10.0	4.0	mg/L			02/21/16 10:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/21/16 10:27	1

Client Sample ID: EFFLUENT 021516

Lab Sample ID: 480-95270-2
Date Collected: 02/15/16 07:30
Matrix: Water
Date Received: 02/16/16 09:30

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			02/25/16 15:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/25/16 15:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/25/16 15:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/25/16 15:01	1
Toluene	ND		1.0	0.51	ug/L			02/25/16 15:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/25/16 15:01	1
Trichloroethene	ND		1.0	0.46	ug/L			02/25/16 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*02/25/16 15:01*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*02/25/16 15:01*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*02/25/16 15:01*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*02/25/16 15:01*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-95270-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(60-140)
480-95270-2	EFFLUENT 021516	115	93	96	111
LCS 480-288563/5	Lab Control Sample	113	98	98	109
MB 480-288563/7	Method Blank	113	93	97	107

Surrogate Legend

12DCE = 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 480-288563/7
Matrix: Water
Analysis Batch: 288563

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			02/25/16 14:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/25/16 14:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/25/16 14:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/25/16 14:14	1
Toluene	ND		1.0	0.51	ug/L			02/25/16 14:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/25/16 14:14	1
Trichloroethene	ND		1.0	0.46	ug/L			02/25/16 14:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*		*02/25/16 14:14*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*02/25/16 14:14*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*02/25/16 14:14*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*02/25/16 14:14*	*1*

Lab Sample ID: LCS 480-288563/5
Matrix: Water
Analysis Batch: 288563

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	27.1		ug/L		108	73 - 127
Trichloroethene	25.0	26.3		ug/L		105	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Toluene-d8 (Surr)	*98*		*71 - 126*
Dibromofluoromethane (Surr)	*109*		*60 - 140*

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

Lab Sample ID: MB 480-287976/1
Matrix: Water
Analysis Batch: 287976

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/21/16 10:27	1

Lab Sample ID: LCS 480-287976/2
Matrix: Water
Analysis Batch: 287976

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	219	216.0		mg/L		99	88 - 110

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

Lab Sample ID: 480-95270-1 DU
Matrix: Water
Analysis Batch: 287976

Client Sample ID: EFFLUENT 021516
Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-287974/1
Matrix: Water
Analysis Batch: 287974

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			02/21/16 10:03	1

Lab Sample ID: LCS 480-287974/2
Matrix: Water
Analysis Batch: 287974

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			503	526.0		mg/L		105	85 - 115		

QC Association Summary

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

TestAmerica Job ID: 480-95270-1

GC/MS VOA

Analysis Batch: 288563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95270-2	EFFLUENT 021516	Total/NA	Water	8260C	
LCS 480-288563/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-288563/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 287974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95270-1	EFFLUENT 021516	Total/NA	Water	SM2540 C	
LCS 480-287974/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-287974/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 287976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95270-1	EFFLUENT 021516	Total/NA	Water	SM 2540D	
480-95270-1 DU	EFFLUENT 021516	Total/NA	Water	SM 2540D	
LCS 480-287976/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-287976/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-95270-1

Client Sample ID: EFFLUENT 021516

Lab Sample ID: 480-95270-1

Date Collected: 02/15/16 07:30

Matrix: Water

Date Received: 02/16/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	287976	02/21/16 10:27	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	287974	02/21/16 10:03	EKB	TAL BUF

Client Sample ID: EFFLUENT 021516

Lab Sample ID: 480-95270-2

Date Collected: 02/15/16 07:30

Matrix: Water

Date Received: 02/16/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288563	02/25/16 15:01	NMD1	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-95270-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-95270-1

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

Protocol References:

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

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-95270-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95270-1	EFFLUENT 021516	Water	02/15/16 07:30	02/16/16 09:30
480-95270-2	EFFLUENT 021516	Water	02/15/16 07:30	02/16/16 09:30

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-78331-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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
City: East Syracuse	TAT Requested (days):	
State, Zip: NY, 13221		
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST	
Email: Yuri.Veliz@obg.com	WO #:	
Project Name: Former Accurate Die Cast	Project #: 48008584	
Site:	SSOW#:	

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 - Na2S2SO3
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	8260C - VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N			
Effluent 021516	2-15-16	730	C	Water			1	1		2	
Effluent 021516	2-15-16	730	G	WATER					3	3	
		RE									
		2-15-16									

480-95270 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	2-15-16 / 9:40	OBG		2/15/16	
2	Relinquished by:	Date/Time: 2-15-16, 19:00	Company SyR	Received by:	Date/Time: 2/16/16 0930	Company
3	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: 3.0 #2

Page 15 of 15
483329

2/29/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-95270-1

Login Number: 95270
List Number: 1
Creator: Janish, Carl M

List Source: 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.	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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-95519-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
3/1/2016 10:11:12 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Glossary

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

Job ID: 480-95519-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95519-1

Receipt
The sample was received on 2/23/2016 10:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

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

Detection Summary

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

TestAmerica Job ID: 480-95519-1

Client Sample ID: EFFLUENT 022216

Lab Sample ID: 480-95519-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	647		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 480-95519-1

Client Sample ID: EFFLUENT 022216
Date Collected: 02/22/16 07:30
Date Received: 02/23/16 10:00

Lab Sample ID: 480-95519-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**647**		10.0	4.0	mg/L			02/25/16 12:13	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/24/16 15:44	1

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

Lab Sample ID: MB 480-288479/1
Matrix: Water
Analysis Batch: 288479

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			02/24/16 15:44	1

Lab Sample ID: LCS 480-288479/2
Matrix: Water
Analysis Batch: 288479

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	238	240.0		mg/L		101	88 - 110

Lab Sample ID: 480-95519-1 DU
Matrix: Water
Analysis Batch: 288479

Client Sample ID: EFFLUENT 022216
Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-288642/1
Matrix: Water
Analysis Batch: 288642

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			02/25/16 12:13	1

Lab Sample ID: LCS 480-288642/2
Matrix: Water
Analysis Batch: 288642

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	503	472.0		mg/L		94	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-95519-1

General Chemistry

Analysis Batch: 288479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95519-1	EFFLUENT 022216	Total/NA	Water	SM 2540D	
480-95519-1 DU	EFFLUENT 022216	Total/NA	Water	SM 2540D	
LCS 480-288479/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-288479/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 288642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95519-1	EFFLUENT 022216	Total/NA	Water	SM2540 C	
LCS 480-288642/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-288642/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-95519-1

Client Sample ID: EFFLUENT 022216
Date Collected: 02/22/16 07:30
Date Received: 02/23/16 10:00

Lab Sample ID: 480-95519-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	288479	02/24/16 15:44	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	288642	02/25/16 12:13	ELR	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-95519-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-95519-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-95519-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95519-1	EFFLUENT 022216	Water	02/22/16 07:30	02/23/16 10:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koenrecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-78331-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

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 022216	2-22-16	730	C	Water			1	1	2	

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 - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

480-95519 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: 2-22-16 / 11:40	Company: OBG	Received by: R. [illegible]	Date/Time: 2-22-16, 11:40	Company: Syr
Relinquished by: RE	Date/Time: 2-22-16, 19:00	Company: Syr	Received by: [illegible]	Date/Time: 2/23/16 1000	Company: [illegible]
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: 2.8 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-95519-1

Login Number: 95519
List Number: 1
Creator: Janish, Carl M

List Source: 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.	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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-95783-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Joseph V. Giacomazza

Authorized for release by:
3/3/2016 3:29:14 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@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
Project/Site: Former Accurate Die Cast

TestAmerica Job ID: 480-95783-1

Glossary

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

Job ID: 480-95783-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95783-1

Receipt
The sample was received on 3/1/2016 10:00 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

TestAmerica Job ID: 480-95783-1

Client Sample ID: EFFLUENT 022916

Lab Sample ID: 480-95783-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	648		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 480-95783-1

Client Sample ID: EFFLUENT 022916
Date Collected: 02/29/16 07:30
Date Received: 03/01/16 10:00

Lab Sample ID: 480-95783-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**648**		10.0	4.0	mg/L			03/01/16 16:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/02/16 15:06	1

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

Lab Sample ID: MB 480-289440/1
Matrix: Water
Analysis Batch: 289440

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/02/16 15:06	1

Lab Sample ID: LCS 480-289440/2
Matrix: Water
Analysis Batch: 289440

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			247	247.2		mg/L		100	88 - 110		

Lab Sample ID: 480-95783-1 DU
Matrix: Water
Analysis Batch: 289440

Client Sample ID: EFFLUENT 022916
Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-289275/1
Matrix: Water
Analysis Batch: 289275

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/01/16 16:10	1

Lab Sample ID: LCS 480-289275/2
Matrix: Water
Analysis Batch: 289275

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			503	480.0		mg/L		95	85 - 115		

Lab Sample ID: 480-95783-1 DU
Matrix: Water
Analysis Batch: 289275

Client Sample ID: EFFLUENT 022916
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	648			652.0		mg/L				0.6	10

QC Association Summary

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

TestAmerica Job ID: 480-95783-1

General Chemistry

Analysis Batch: 289275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95783-1	EFFLUENT 022916	Total/NA	Water	SM2540 C	
480-95783-1 DU	EFFLUENT 022916	Total/NA	Water	SM2540 C	
LCS 480-289275/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-289275/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 289440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95783-1	EFFLUENT 022916	Total/NA	Water	SM 2540D	
480-95783-1 DU	EFFLUENT 022916	Total/NA	Water	SM 2540D	
LCS 480-289440/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-289440/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-95783-1

Client Sample ID: EFFLUENT 022916
Date Collected: 02/29/16 07:30
Date Received: 03/01/16 10:00

Lab Sample ID: 480-95783-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	289440	03/02/16 15:06	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	289275	03/01/16 16:10	MGH	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-95783-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-95783-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-95783-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95783-1	EFFLUENT 022916	Water	02/29/16 07:30	03/01/16 10:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koenecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-78331-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 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 - Na2S2SO3 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 #: 11312000EST		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		Other:

480-95783 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 022916	2-24-16	7:30	C	Water			1	1	2	
			R6							
			2-29-16							

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: Martin Koenecke	Date/Time: 2-29-16 / 10:20	Company: OBG	Received by: RELINQUISHED	Date/Time: 2-29-16, 10:20	Company: OBG
Relinquished by: RELINQUISHED	Date/Time: 2-29-16 14:00	Company: Tyn	Received by:	Date/Time: 2/1/16 1000	Company:
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Cooler Temperature(s) °C and Other Remarks: 2.0 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-95783-1

Login Number: 95783
List Number: 1
Creator: Janish, Carl M

List Source: 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.	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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-96133-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
3/15/2016 7:33:24 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-96133-1

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-96133-1

Job ID: 480-96133-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-96133-1

Receipt
The samples were received on 3/8/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

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

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

Detection Summary

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

TestAmerica Job ID: 480-96133-1

Client Sample ID: EFFLUENT 030716 — Lab Sample ID: 480-96133-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	634		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 030716 — Lab Sample ID: 480-96133-2

No Detections.

Client Sample ID: EFFLUENT 030716 — Lab Sample ID: 480-96133-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 030716

Lab Sample ID: 480-96133-1
Date Collected: 03/07/16 07:30
Matrix: Water
Date Received: 03/08/16 10:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	634		10.0	4.0	mg/L			03/09/16 11:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/09/16 11:35	1

Client Sample ID: BETWEEN CARBONS 030716

Lab Sample ID: 480-96133-2
Date Collected: 03/07/16 07:30
Matrix: Water
Date Received: 03/08/16 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/08/16 23:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/08/16 23:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/08/16 23:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/08/16 23:53	1
Toluene	ND		1.0	0.51	ug/L			03/08/16 23:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/08/16 23:53	1
Trichloroethene	ND		1.0	0.46	ug/L			03/08/16 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/08/16 23:53*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/08/16 23:53*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/08/16 23:53*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/08/16 23:53*	*1*

Client Sample ID: EFFLUENT 030716

Lab Sample ID: 480-96133-3
Date Collected: 03/07/16 07:30
Matrix: Water
Date Received: 03/08/16 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/09/16 00:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/09/16 00:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/09/16 00:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/09/16 00:16	1
Toluene	ND		1.0	0.51	ug/L			03/09/16 00:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/09/16 00:16	1
Trichloroethene	ND		1.0	0.46	ug/L			03/09/16 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*03/09/16 00:16*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/09/16 00:16*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/09/16 00:16*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/09/16 00:16*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-96133-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(60-140)
480-96133-2	BETWEEN CARBONS 030716	101	95	96	100
480-96133-3	EFFLUENT 030716	98	95	96	100
LCS 480-290175/5	Lab Control Sample	100	94	98	98
MB 480-290175/8	Method Blank	95	95	96	98

Surrogate Legend

12DCE = 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 480-290175/8
Matrix: Water
Analysis Batch: 290175

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			03/08/16 22:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/08/16 22:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/08/16 22:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/08/16 22:22	1
Toluene	ND		1.0	0.51	ug/L			03/08/16 22:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/08/16 22:22	1
Trichloroethene	ND		1.0	0.46	ug/L			03/08/16 22:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*03/08/16 22:22*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/08/16 22:22*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/08/16 22:22*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/08/16 22:22*	*1*

Lab Sample ID: LCS 480-290175/5
Matrix: Water
Analysis Batch: 290175

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
Tetrachloroethene	25.0	24.8		ug/L		99	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
Trichloroethene	25.0	24.5		ug/L		98	74 - 123

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

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

Lab Sample ID: MB 480-290286/1
Matrix: Water
Analysis Batch: 290286

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/09/16 11:35	1

Lab Sample ID: LCS 480-290286/2
Matrix: Water
Analysis Batch: 290286

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	239	238.0		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-290284/1
Matrix: Water
Analysis Batch: 290284

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/09/16 11:28	1

Lab Sample ID: LCS 480-290284/2
Matrix: Water
Analysis Batch: 290284

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			503	481.0		mg/L		96	85 - 115		

Lab Sample ID: 480-96133-1 DU
Matrix: Water
Analysis Batch: 290284

Client Sample ID: EFFLUENT 030716
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	634			628.0		mg/L				1	10

QC Association Summary

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

TestAmerica Job ID: 480-96133-1

GC/MS VOA

Analysis Batch: 290175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96133-2	BETWEEN CARBONS 030716	Total/NA	Water	8260C	
480-96133-3	EFFLUENT 030716	Total/NA	Water	8260C	
LCS 480-290175/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-290175/8	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 290284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96133-1	EFFLUENT 030716	Total/NA	Water	SM2540 C	
480-96133-1 DU	EFFLUENT 030716	Total/NA	Water	SM2540 C	
LCS 480-290284/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-290284/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 290286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96133-1	EFFLUENT 030716	Total/NA	Water	SM 2540D	
LCS 480-290286/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-290286/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-96133-1

Client Sample ID: EFFLUENT 030716

Lab Sample ID: 480-96133-1
Matrix: Water
Date Collected: 03/07/16 07:30
Date Received: 03/08/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	290286	03/09/16 11:35	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	290284	03/09/16 11:28	ELR	TAL BUF

Client Sample ID: BETWEEN CARBONS 030716

Lab Sample ID: 480-96133-2
Matrix: Water
Date Collected: 03/07/16 07:30
Date Received: 03/08/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290175	03/08/16 23:53	GTG	TAL BUF

Client Sample ID: EFFLUENT 030716

Lab Sample ID: 480-96133-3
Matrix: Water
Date Collected: 03/07/16 07:30
Date Received: 03/08/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290175	03/09/16 00:16	GTG	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-96133-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-96133-1

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

Protocol References:

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

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-96133-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-96133-1	EFFLUENT 030716	Water	03/07/16 07:30	03/08/16 10:00
480-96133-2	BETWEEN CARBONS 030716	Water	03/07/16 07:30	03/08/16 10:00
480-96133-3	EFFLUENT 030716	Water	03/07/16 07:30	03/08/16 10:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Martin Koenneke	Lab PM: Johnson, Oriette S	Carrier Tracking No(s):	COC No: 480-78320-10588.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: oriette.johnson@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				
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 #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

480-96133 Chain of Custody

Analysis Requested

F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - Di Water
K - EDTA
L - EDA
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:				N	N	A		
Effluent 030716	3-7-16	7:30	C	Water			1	1		2	
Between Carbons 030716	3-7-16	7:30	G	Water					3	3	
Effluent 030716	3-7-16	7:30	G	water					3	3	
			RE								
			3-7-16								

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 Koenneke	3-7-16 / 1040	OBG	R.Eng/LLC	3-7-16, 10:40	SyR
2	R.Eng/LLC	3-7-16, 1900	SyR		3/8/16 1000	
3						

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.0 #2

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-96133-1

Login Number: 96133
List Number: 1
Creator: Williams, Christopher S

List Source: 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.	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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-96528-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
3/23/2016 2:26:46 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Glossary

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

Job ID: 480-96528-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-96528-1

Receipt
The sample was received on 3/15/2016 11:30 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

TestAmerica Job ID: 480-96528-1

Client Sample ID: EFFLUENT 031416

Lab Sample ID: 480-96528-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	649		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 480-96528-1

Client Sample ID: EFFLUENT 031416
Date Collected: 03/14/16 07:15
Date Received: 03/15/16 11:30

Lab Sample ID: 480-96528-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**649**		10.0	4.0	mg/L			03/16/16 13:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/17/16 10:17	1

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

Lab Sample ID: MB 480-291510/1
Matrix: Water
Analysis Batch: 291510

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/17/16 10:17	1

Lab Sample ID: LCS 480-291510/2
Matrix: Water
Analysis Batch: 291510

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			247	240.0		mg/L		97	88 - 110		

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-291338/1
Matrix: Water
Analysis Batch: 291338

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/16/16 13:52	1

Lab Sample ID: LCS 480-291338/2
Matrix: Water
Analysis Batch: 291338

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	501.0		mg/L		100	85 - 115		

Lab Sample ID: 480-96528-1 DU
Matrix: Water
Analysis Batch: 291338

Client Sample ID: EFFLUENT 031416
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	649			643.0		mg/L				0.9	10

QC Association Summary

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

TestAmerica Job ID: 480-96528-1

General Chemistry

Analysis Batch: 291338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96528-1	EFFLUENT 031416	Total/NA	Water	SM2540 C	
480-96528-1 DU	EFFLUENT 031416	Total/NA	Water	SM2540 C	
LCS 480-291338/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-291338/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 291510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96528-1	EFFLUENT 031416	Total/NA	Water	SM 2540D	
LCS 480-291510/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-291510/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-96528-1

Client Sample ID: EFFLUENT 031416
Date Collected: 03/14/16 07:15
Date Received: 03/15/16 11:30

Lab Sample ID: 480-96528-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	291510	03/17/16 10:17	ELR	TAL BUF
Total/NA	Analysis	SM2540 C		1	291338	03/16/16 13:52	EKB	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-96528-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-96528-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-96528-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-96528-1	EFFLUENT 031416	Water	03/14/16 07:15	03/15/16 11:30

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koenwecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-78332-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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:** A - HCL, B - NaOH, M - Hexane, N - None
City: East Syracuse	**TAT Requested (days):**			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			480-96528 Chain of Custody
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	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 031416	3-14-16	7:15	C	Water			1	1	2	

RG 3-14-16

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 Koenwecke	Date/Time: 3-14-16 / 9:55	Company: OBG	Received by: R. Zielinski	Date/Time: 3-14-16, 09:55	Company: TA
Relinquished by: R. Zielinski	Date/Time: 3-14-16, 1920	Company: TA	Received by: [illegible signature]	Date/Time: 3/15/16 1130	Company: [illegible]
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: 2.0 #1		

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-96528-1

Login Number: 96528
List Number: 1
Creator: Williams, Christopher S

List Source: 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.	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.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-96869-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
3/31/2016 7:32:54 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-96869-1

Job ID: 480-96869-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-96869-1

Receipt
The samples were received on 3/22/2016 12:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° C.

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

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

Detection Summary

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

TestAmerica Job ID: 480-96869-1

Client Sample ID: EFFLUENT 032116 — Lab Sample ID: 480-96869-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	595		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	6.8		4.0	4.0	mg/L	1		SM 2540D	Total/NA

Client Sample ID: EFFLUENT 032116 — Lab Sample ID: 480-96869-2

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-96869-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 032116

Lab Sample ID: 480-96869-1
Date Collected: 03/21/16 07:15
Matrix: Water
Date Received: 03/22/16 00:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	595		10.0	4.0	mg/L			03/23/16 06:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	6.8		4.0	4.0	mg/L			03/23/16 15:46	1

Client Sample ID: EFFLUENT 032116

Lab Sample ID: 480-96869-2
Date Collected: 03/21/16 07:15
Matrix: Water
Date Received: 03/22/16 00:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/16 01:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/24/16 01:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/16 01:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/16 01:39	1
Toluene	ND		1.0	0.51	ug/L			03/24/16 01:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/24/16 01:39	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/16 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/24/16 01:39*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/24/16 01:39*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*03/24/16 01:39*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*03/24/16 01:39*	*1*

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-96869-3
Date Collected: 03/21/16 00:00
Matrix: Water
Date Received: 03/22/16 00:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/24/16 02:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/24/16 02:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/24/16 02:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/24/16 02:03	1
Toluene	ND		1.0	0.51	ug/L			03/24/16 02:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/24/16 02:03	1
Trichloroethene	ND		1.0	0.46	ug/L			03/24/16 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/24/16 02:03*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/24/16 02:03*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*03/24/16 02:03*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*03/24/16 02:03*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-96869-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(73-120)	(71-126)	(60-140)
480-96869-2	EFFLUENT 032116	102	104	102	104
480-96869-3	TRIP BLANK	101	102	101	103
LCS 480-292445/5	Lab Control Sample	101	106	104	102
MB 480-292445/7	Method Blank	99	103	101	101

Surrogate Legend

12DCE = 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 480-292445/7
Matrix: Water
Analysis Batch: 292445

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			03/23/16 23:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/23/16 23:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/23/16 23:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/23/16 23:04	1
Toluene	ND		1.0	0.51	ug/L			03/23/16 23:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/23/16 23:04	1
Trichloroethene	ND		1.0	0.46	ug/L			03/23/16 23:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*03/23/16 23:04*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/23/16 23:04*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*03/23/16 23:04*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*03/23/16 23:04*	*1*

Lab Sample ID: LCS 480-292445/5
Matrix: Water
Analysis Batch: 292445

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	74 - 124
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
Trichloroethene	25.0	24.9		ug/L		100	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Toluene-d8 (Surr)	*104*		*71 - 126*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

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

Lab Sample ID: MB 480-292410/1
Matrix: Water
Analysis Batch: 292410

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			03/23/16 15:46	1

Lab Sample ID: LCS 480-292410/2
Matrix: Water
Analysis Batch: 292410

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	242	229.6		mg/L		95	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-292265/1
Matrix: Water
Analysis Batch: 292265

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/23/16 06:29	1

Lab Sample ID: LCS 480-292265/2
Matrix: Water
Analysis Batch: 292265

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			503	492.0		mg/L		98	85 - 115		

QC Association Summary

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

TestAmerica Job ID: 480-96869-1

GC/MS VOA

Analysis Batch: 292445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96869-2	EFFLUENT 032116	Total/NA	Water	8260C	
480-96869-3	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-292445/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-292445/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 292265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96869-1	EFFLUENT 032116	Total/NA	Water	SM2540 C	
LCS 480-292265/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-292265/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 292410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96869-1	EFFLUENT 032116	Total/NA	Water	SM 2540D	
LCS 480-292410/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-292410/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-96869-1

Client Sample ID: EFFLUENT 032116
Lab Sample ID: 480-96869-1
Date Collected: 03/21/16 07:15
Matrix: Water
Date Received: 03/22/16 00:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	292410	03/23/16 15:46	DCB	TAL BUF
Total/NA	Analysis	SM2540 C		1	292265	03/23/16 06:29	EKB	TAL BUF

Client Sample ID: EFFLUENT 032116
Lab Sample ID: 480-96869-2
Date Collected: 03/21/16 07:15
Matrix: Water
Date Received: 03/22/16 00:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	292445	03/24/16 01:39	SWO	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-96869-3
Date Collected: 03/21/16 00:00
Matrix: Water
Date Received: 03/22/16 00:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	292445	03/24/16 02:03	SWO	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-96869-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-96869-1

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

Protocol References:

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

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-96869-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-96869-1	EFFLUENT 032116	Water	03/21/16 07:15	03/22/16 00:25
480-96869-2	EFFLUENT 032116	Water	03/21/16 07:15	03/22/16 00:25
480-96869-3	TRIP BLANK	Water	03/21/16 00:00	03/22/16 00:25

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-78345-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 #: 11312000EST			
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 - Na2S2SO3
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:

480-96869 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 containers	Special Instructions/Note:
Preservation Code:							N	N	A		
Effluent 032116	3-21-16	7:15	C	Water			1	1		2	
EFFLUENT 032116	3-21-16	7:15	G	water					3	3	

3-21-16

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	3-21-16 / 10:18	OBG	[illegible]	3-21-16 10:18	FedEx
2	[illegible]	3-21-16, 19:00	FedEx	[illegible]	3-22-16 0025	TAB
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		1.4

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-96869-1

Login Number: 96869
List Number: 1
Creator: Williams, Christopher S

List Source: 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.	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	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-97383-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
4/13/2016 11:21:45 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-97383-1

Glossary

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

Job ID: 480-97383-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-97383-1

Receipt
The sample was received on 4/1/2016 7:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1º C.

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

Detection Summary

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

TestAmerica Job ID: 480-97383-1

Client Sample ID: EFFLUENT 033116

Lab Sample ID: 480-97383-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	611		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

TestAmerica Job ID: 480-97383-1

Client Sample ID: EFFLUENT 033116
Date Collected: 03/31/16 07:15
Date Received: 04/01/16 07:00

Lab Sample ID: 480-97383-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**611**		10.0	4.0	mg/L			04/04/16 05:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/04/16 16:14	1

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

Lab Sample ID: MB 480-293973/1
Matrix: Water
Analysis Batch: 293973

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			04/04/16 16:14	1

Lab Sample ID: LCS 480-293973/2
Matrix: Water
Analysis Batch: 293973

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	252.8		mg/L		99	88 - 110

Lab Sample ID: 480-97383-1 DU
Matrix: Water
Analysis Batch: 293973

Client Sample ID: EFFLUENT 033116
Prep Type: Total/NA

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

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-293840/1
Matrix: Water
Analysis Batch: 293840

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			04/04/16 05:49	1

Lab Sample ID: LCS 480-293840/2
Matrix: Water
Analysis Batch: 293840

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	531	536.0		mg/L		101	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-97383-1

General Chemistry

Analysis Batch: 293840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97383-1	EFFLUENT 033116	Total/NA	Water	SM2540 C	
LCS 480-293840/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-293840/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 293973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-97383-1	EFFLUENT 033116	Total/NA	Water	SM 2540D	
480-97383-1 DU	EFFLUENT 033116	Total/NA	Water	SM 2540D	
LCS 480-293973/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-293973/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-97383-1

Client Sample ID: EFFLUENT 033116

Lab Sample ID: 480-97383-1

Date Collected: 03/31/16 07:15

Matrix: Water

Date Received: 04/01/16 07:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	293973	04/04/16 16:14	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	293840	04/04/16 05:49	EKB	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-97383-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

Method Summary

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

TestAmerica Job ID: 480-97383-1

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

Protocol References:

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-97383-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-97383-1	EFFLUENT 033116	Water	03/31/16 07:15	04/01/16 07:00

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

Chain of Custody Record

480-97383 Chain of Custody

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	Carrier Track
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com	
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 #: 11312000EST		
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 - Na2S2SO3, 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 033116	3-31-16	7:15	C	Water			1	1	2	
				RE						
			3-31-16							

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	3-31-16 / 9:45	OBG	Received by: [signature]	3-31-16	9:45
Relinquished by: RE 4/1/16	3-31-16, 19:00	Pyr	Received by: [signature]	4/1/16 0700	TA Buffalo
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.1°C #3

493325 - Syracuse SC

4/13/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-97383-1

Login Number: 97383
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-96923-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
3/31/2016 7:21:59 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-96923-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.

Glossary

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

Job ID: 480-96923-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-96923-1

Receipt
The samples were received on 3/23/2016 1:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.7º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11 032216 (480-96923-1), MW-24 032216 (480-96923-2), MW-18 032216 (480-96923-3), MW-10 032216 (480-96923-4) and MW-13 032216 (480-96923-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-292987 recovered above the upper control limit for Carbon tetrachloride, Vinyl chloride, 1,1-Dichloroethene, Chloromethane, Tetrachloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-11 032216 (480-96923-1), MW-24 032216 (480-96923-2), MW-18 032216 (480-96923-3), MW-10 032216 (480-96923-4), MW-13 032216 (480-96923-5) and QC TRIP BLANK (480-96923-6).

Method(s) 8260C: The laboratory control sample (LCS) for batch analytical batch 480-292987 recovered outside control limits for the following analytes: Vinyl chloride, Dichlorofluoromethane, Chloromethane, 1,1-Dichloroethene and Tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported MW-11 032216 (480-96923-1), MW-24 032216 (480-96923-2), MW-18 032216 (480-96923-3), MW-10 032216 (480-96923-4), MW-13 032216 (480-96923-5) and QC TRIP BLANK (480-96923-6) .

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

TestAmerica Job ID: 480-96923-1

Client Sample ID: MW-11 032216 — Lab Sample ID: 480-96923-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	560		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-24 032216 — Lab Sample ID: 480-96923-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	34		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	320		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-18 032216 — Lab Sample ID: 480-96923-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	360		25	20	ug/L	25		8260C	Total/NA
Trichloroethene	1200		25	12	ug/L	25		8260C	Total/NA

Client Sample ID: MW-10 032216 — Lab Sample ID: 480-96923-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - DL	270		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: MW-13 032216 — Lab Sample ID: 480-96923-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	220		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-96923-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11 032216
Date Collected: 03/22/16 09:30
Date Received: 03/23/16 01:25

Lab Sample ID: 480-96923-1
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		10	8.2	ug/L			03/29/16 01:15	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/29/16 01:15	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/29/16 01:15	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			03/29/16 01:15	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/29/16 01:15	10
1,1-Dichloroethene	ND	*	10	2.9	ug/L			03/29/16 01:15	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			03/29/16 01:15	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			03/29/16 01:15	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			03/29/16 01:15	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/29/16 01:15	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/29/16 01:15	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			03/29/16 01:15	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			03/29/16 01:15	10
2-Butanone (MEK)	ND		100	13	ug/L			03/29/16 01:15	10
2-Hexanone	ND		50	12	ug/L			03/29/16 01:15	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/29/16 01:15	10
Acetone	ND		100	30	ug/L			03/29/16 01:15	10
Benzene	ND		10	4.1	ug/L			03/29/16 01:15	10
Bromodichloromethane	ND		10	3.9	ug/L			03/29/16 01:15	10
Bromoform	ND		10	2.6	ug/L			03/29/16 01:15	10
Bromomethane	ND		10	6.9	ug/L			03/29/16 01:15	10
Carbon disulfide	ND		10	1.9	ug/L			03/29/16 01:15	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/29/16 01:15	10
Chlorobenzene	ND		10	7.5	ug/L			03/29/16 01:15	10
Dibromochloromethane	ND		10	3.2	ug/L			03/29/16 01:15	10
Chloroethane	ND		10	3.2	ug/L			03/29/16 01:15	10
Chloroform	ND		10	3.4	ug/L			03/29/16 01:15	10
Chloromethane	ND	*	10	3.5	ug/L			03/29/16 01:15	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			03/29/16 01:15	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/29/16 01:15	10
Cyclohexane	ND		10	1.8	ug/L			03/29/16 01:15	10
Dichlorodifluoromethane	ND	*	10	6.8	ug/L			03/29/16 01:15	10
Ethylbenzene	ND		10	7.4	ug/L			03/29/16 01:15	10
1,2-Dibromoethane	ND		10	7.3	ug/L			03/29/16 01:15	10
Isopropylbenzene	ND		10	7.9	ug/L			03/29/16 01:15	10
Methyl acetate	ND		25	13	ug/L			03/29/16 01:15	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			03/29/16 01:15	10
Methylcyclohexane	ND		10	1.6	ug/L			03/29/16 01:15	10
Methylene Chloride	ND		10	4.4	ug/L			03/29/16 01:15	10
Styrene	ND		10	7.3	ug/L			03/29/16 01:15	10
Tetrachloroethene	ND	*	10	3.6	ug/L			03/29/16 01:15	10
Toluene	ND		10	5.1	ug/L			03/29/16 01:15	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/29/16 01:15	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/29/16 01:15	10
Trichloroethene	**560**		10	4.6	ug/L			03/29/16 01:15	10
Trichlorofluoromethane	ND		10	8.8	ug/L			03/29/16 01:15	10
Vinyl chloride	ND	*	10	9.0	ug/L			03/29/16 01:15	10
Xylenes, Total	ND		20	6.6	ug/L			03/29/16 01:15	10

Client Sample ID: MW-11 032216

Lab Sample ID: 480-96923-1

Date Collected: 03/22/16 09:30

Matrix: Water

Date Received: 03/23/16 01:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/29/16 01:15*	*10*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*03/29/16 01:15*	*10*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/29/16 01:15*	*10*
Dibromofluoromethane (Surr)	*113*		*60 - 140*		*03/29/16 01:15*	*10*

Client Sample ID: MW-24 032216

Lab Sample ID: 480-96923-2

Date Collected: 03/22/16 10:20

Matrix: Water

Date Received: 03/23/16 01:25

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			03/29/16 01:40	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/29/16 01:40	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/29/16 01:40	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			03/29/16 01:40	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			03/29/16 01:40	5
1,1-Dichloroethene	ND	*	5.0	1.5	ug/L			03/29/16 01:40	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			03/29/16 01:40	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			03/29/16 01:40	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			03/29/16 01:40	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/29/16 01:40	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/29/16 01:40	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			03/29/16 01:40	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			03/29/16 01:40	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/29/16 01:40	5
2-Hexanone	ND		25	6.2	ug/L			03/29/16 01:40	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/29/16 01:40	5
Acetone	ND		50	15	ug/L			03/29/16 01:40	5
Benzene	ND		5.0	2.1	ug/L			03/29/16 01:40	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/29/16 01:40	5
Bromoform	ND		5.0	1.3	ug/L			03/29/16 01:40	5
Bromomethane	ND		5.0	3.5	ug/L			03/29/16 01:40	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/29/16 01:40	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/29/16 01:40	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/29/16 01:40	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/29/16 01:40	5
Chloroethane	ND		5.0	1.6	ug/L			03/29/16 01:40	5
Chloroform	ND		5.0	1.7	ug/L			03/29/16 01:40	5
Chloromethane	ND	*	5.0	1.8	ug/L			03/29/16 01:40	5
cis-1,2-Dichloroethene	**34**		5.0	4.1	ug/L			03/29/16 01:40	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/29/16 01:40	5
Cyclohexane	ND		5.0	0.90	ug/L			03/29/16 01:40	5
Dichlorodifluoromethane	ND	*	5.0	3.4	ug/L			03/29/16 01:40	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/29/16 01:40	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			03/29/16 01:40	5
Isopropylbenzene	ND		5.0	4.0	ug/L			03/29/16 01:40	5
Methyl acetate	ND		13	6.5	ug/L			03/29/16 01:40	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			03/29/16 01:40	5
Methylcyclohexane	ND		5.0	0.80	ug/L			03/29/16 01:40	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/29/16 01:40	5

Client Sample ID: MW-24 032216

Date Collected: 03/22/16 10:20
Date Received: 03/23/16 01:25

Lab Sample ID: 480-96923-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	3.7	ug/L			03/29/16 01:40	5
Tetrachloroethene	ND	*	5.0	1.8	ug/L			03/29/16 01:40	5
Toluene	ND		5.0	2.6	ug/L			03/29/16 01:40	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/29/16 01:40	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/29/16 01:40	5
Trichloroethene	**320**		5.0	2.3	ug/L			03/29/16 01:40	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			03/29/16 01:40	5
Vinyl chloride	ND	*	5.0	4.5	ug/L			03/29/16 01:40	5
Xylenes, Total	ND		10	3.3	ug/L			03/29/16 01:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*71 - 126*		*03/29/16 01:40*	*5*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*03/29/16 01:40*	*5*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*03/29/16 01:40*	*5*
Dibromofluoromethane (Surr)	*116*		*60 - 140*		*03/29/16 01:40*	*5*

Client Sample ID: MW-18 032216

Date Collected: 03/22/16 10:55
Date Received: 03/23/16 01:25

Lab Sample ID: 480-96923-3
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		25	21	ug/L			03/29/16 02:05	25
1,1,2,2-Tetrachloroethane	ND		25	5.3	ug/L			03/29/16 02:05	25
1,1,2-Trichloroethane	ND		25	5.8	ug/L			03/29/16 02:05	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25	7.8	ug/L			03/29/16 02:05	25
1,1-Dichloroethane	ND		25	9.5	ug/L			03/29/16 02:05	25
1,1-Dichloroethene	ND	*	25	7.3	ug/L			03/29/16 02:05	25
1,2,4-Trichlorobenzene	ND		25	10	ug/L			03/29/16 02:05	25
1,2-Dibromo-3-Chloropropane	ND		25	9.8	ug/L			03/29/16 02:05	25
1,2-Dichlorobenzene	ND		25	20	ug/L			03/29/16 02:05	25
1,2-Dichloroethane	ND		25	5.3	ug/L			03/29/16 02:05	25
1,2-Dichloropropane	ND		25	18	ug/L			03/29/16 02:05	25
1,3-Dichlorobenzene	ND		25	20	ug/L			03/29/16 02:05	25
1,4-Dichlorobenzene	ND		25	21	ug/L			03/29/16 02:05	25
2-Butanone (MEK)	ND		250	33	ug/L			03/29/16 02:05	25
2-Hexanone	ND		130	31	ug/L			03/29/16 02:05	25
4-Methyl-2-pentanone (MIBK)	ND		130	53	ug/L			03/29/16 02:05	25
Acetone	ND		250	75	ug/L			03/29/16 02:05	25
Benzene	ND		25	10	ug/L			03/29/16 02:05	25
Bromodichloromethane	ND		25	9.8	ug/L			03/29/16 02:05	25
Bromoform	ND		25	6.5	ug/L			03/29/16 02:05	25
Bromomethane	ND		25	17	ug/L			03/29/16 02:05	25
Carbon disulfide	ND		25	4.8	ug/L			03/29/16 02:05	25
Carbon tetrachloride	ND		25	6.8	ug/L			03/29/16 02:05	25
Chlorobenzene	ND		25	19	ug/L			03/29/16 02:05	25
Dibromochloromethane	ND		25	8.0	ug/L			03/29/16 02:05	25
Chloroethane	ND		25	8.0	ug/L			03/29/16 02:05	25
Chloroform	ND		25	8.5	ug/L			03/29/16 02:05	25
Chloromethane	ND	*	25	8.8	ug/L			03/29/16 02:05	25

Client Sample ID: MW-18 032216

Lab Sample ID: 480-96923-3

Date Collected: 03/22/16 10:55

Matrix: Water

Date Received: 03/23/16 01:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**360**		25	20	ug/L			03/29/16 02:05	25
cis-1,3-Dichloropropene	ND		25	9.0	ug/L			03/29/16 02:05	25
Cyclohexane	ND		25	4.5	ug/L			03/29/16 02:05	25
Dichlorodifluoromethane	ND	*	25	17	ug/L			03/29/16 02:05	25
Ethylbenzene	ND		25	19	ug/L			03/29/16 02:05	25
1,2-Dibromoethane	ND		25	18	ug/L			03/29/16 02:05	25
Isopropylbenzene	ND		25	20	ug/L			03/29/16 02:05	25
Methyl acetate	ND		63	33	ug/L			03/29/16 02:05	25
Methyl tert-butyl ether	ND		25	4.0	ug/L			03/29/16 02:05	25
Methylcyclohexane	ND		25	4.0	ug/L			03/29/16 02:05	25
Methylene Chloride	ND		25	11	ug/L			03/29/16 02:05	25
Styrene	ND		25	18	ug/L			03/29/16 02:05	25
Tetrachloroethene	ND	*	25	9.0	ug/L			03/29/16 02:05	25
Toluene	ND		25	13	ug/L			03/29/16 02:05	25
trans-1,2-Dichloroethene	ND		25	23	ug/L			03/29/16 02:05	25
trans-1,3-Dichloropropene	ND		25	9.3	ug/L			03/29/16 02:05	25
Trichloroethene	**1200**		25	12	ug/L			03/29/16 02:05	25
Trichlorofluoromethane	ND		25	22	ug/L			03/29/16 02:05	25
Vinyl chloride	ND	*	25	23	ug/L			03/29/16 02:05	25
Xylenes, Total	ND		50	17	ug/L			03/29/16 02:05	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/29/16 02:05*	*25*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*03/29/16 02:05*	*25*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*03/29/16 02:05*	*25*
Dibromofluoromethane (Surr)	*116*		*60 - 140*		*03/29/16 02:05*	*25*

Client Sample ID: MW-10 032216

Lab Sample ID: 480-96923-4

Date Collected: 03/22/16 11:45

Matrix: Water

Date Received: 03/23/16 01:25

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			03/29/16 02:30	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/29/16 02:30	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/29/16 02:30	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			03/29/16 02:30	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/29/16 02:30	2
1,1-Dichloroethene	ND	*	2.0	0.58	ug/L			03/29/16 02:30	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/29/16 02:30	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/29/16 02:30	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			03/29/16 02:30	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/29/16 02:30	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/29/16 02:30	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/29/16 02:30	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/29/16 02:30	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/29/16 02:30	2
2-Hexanone	ND		10	2.5	ug/L			03/29/16 02:30	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/29/16 02:30	2
Acetone	ND		20	6.0	ug/L			03/29/16 02:30	2

Client Sample ID: MW-10 032216
Date Collected: 03/22/16 11:45
Date Received: 03/23/16 01:25

Lab Sample ID: 480-96923-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		2.0	0.82	ug/L			03/29/16 02:30	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/29/16 02:30	2
Bromoform	ND		2.0	0.52	ug/L			03/29/16 02:30	2
Bromomethane	ND		2.0	1.4	ug/L			03/29/16 02:30	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/29/16 02:30	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/29/16 02:30	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/29/16 02:30	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/29/16 02:30	2
Chloroethane	ND		2.0	0.64	ug/L			03/29/16 02:30	2
Chloroform	ND		2.0	0.68	ug/L			03/29/16 02:30	2
Chloromethane	ND	*	2.0	0.70	ug/L			03/29/16 02:30	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			03/29/16 02:30	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/29/16 02:30	2
Cyclohexane	ND		2.0	0.36	ug/L			03/29/16 02:30	2
Dichlorodifluoromethane	ND	*	2.0	1.4	ug/L			03/29/16 02:30	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/29/16 02:30	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/29/16 02:30	2
Isopropylbenzene	ND		2.0	1.6	ug/L			03/29/16 02:30	2
Methyl acetate	ND		5.0	2.6	ug/L			03/29/16 02:30	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/29/16 02:30	2
Methylcyclohexane	ND		2.0	0.32	ug/L			03/29/16 02:30	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/29/16 02:30	2
Styrene	ND		2.0	1.5	ug/L			03/29/16 02:30	2
Tetrachloroethene	ND	*	2.0	0.72	ug/L			03/29/16 02:30	2
Toluene	ND		2.0	1.0	ug/L			03/29/16 02:30	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/29/16 02:30	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/29/16 02:30	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/29/16 02:30	2
Vinyl chloride	ND	*	2.0	1.8	ug/L			03/29/16 02:30	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/29/16 02:30	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*71 - 126*		*03/29/16 02:30*	*2*
1,2-Dichloroethane-d4 (Surr)	*117*		*66 - 137*		*03/29/16 02:30*	*2*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*03/29/16 02:30*	*2*
Dibromofluoromethane (Surr)	*117*		*60 - 140*		*03/29/16 02:30*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**270**		4.0	1.8	ug/L			03/30/16 00:35	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/30/16 00:35*	*4*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*03/30/16 00:35*	*4*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/30/16 00:35*	*4*
Dibromofluoromethane (Surr)	*113*		*60 - 140*		*03/30/16 00:35*	*4*

Client Sample ID: MW-13 032216
Date Collected: 03/22/16 12:00
Date Received: 03/23/16 01:25

Lab Sample ID: 480-96923-5
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		4.0	3.3	ug/L			03/29/16 02:55	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/29/16 02:55	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/29/16 02:55	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			03/29/16 02:55	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			03/29/16 02:55	4
1,1-Dichloroethene	ND	*	4.0	1.2	ug/L			03/29/16 02:55	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			03/29/16 02:55	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			03/29/16 02:55	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			03/29/16 02:55	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/29/16 02:55	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/29/16 02:55	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			03/29/16 02:55	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			03/29/16 02:55	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/29/16 02:55	4
2-Hexanone	ND		20	5.0	ug/L			03/29/16 02:55	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/29/16 02:55	4
Acetone	ND		40	12	ug/L			03/29/16 02:55	4
Benzene	ND		4.0	1.6	ug/L			03/29/16 02:55	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/29/16 02:55	4
Bromoform	ND		4.0	1.0	ug/L			03/29/16 02:55	4
Bromomethane	ND		4.0	2.8	ug/L			03/29/16 02:55	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/29/16 02:55	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/29/16 02:55	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/29/16 02:55	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/29/16 02:55	4
Chloroethane	ND		4.0	1.3	ug/L			03/29/16 02:55	4
Chloroform	ND		4.0	1.4	ug/L			03/29/16 02:55	4
Chloromethane	ND	*	4.0	1.4	ug/L			03/29/16 02:55	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			03/29/16 02:55	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/29/16 02:55	4
Cyclohexane	ND		4.0	0.72	ug/L			03/29/16 02:55	4
Dichlorodifluoromethane	ND	*	4.0	2.7	ug/L			03/29/16 02:55	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/29/16 02:55	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			03/29/16 02:55	4
Isopropylbenzene	ND		4.0	3.2	ug/L			03/29/16 02:55	4
Methyl acetate	ND		10	5.2	ug/L			03/29/16 02:55	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			03/29/16 02:55	4
Methylcyclohexane	ND		4.0	0.64	ug/L			03/29/16 02:55	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/29/16 02:55	4
Styrene	ND		4.0	2.9	ug/L			03/29/16 02:55	4
Tetrachloroethene	ND	*	4.0	1.4	ug/L			03/29/16 02:55	4
Toluene	ND		4.0	2.0	ug/L			03/29/16 02:55	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/29/16 02:55	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/29/16 02:55	4
Trichloroethene	**220**		4.0	1.8	ug/L			03/29/16 02:55	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			03/29/16 02:55	4
Vinyl chloride	ND	*	4.0	3.6	ug/L			03/29/16 02:55	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/29/16 02:55	4

Client Sample ID: MW-13 032216

Lab Sample ID: 480-96923-5

Date Collected: 03/22/16 12:00

Matrix: Water

Date Received: 03/23/16 01:25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/29/16 02:55*	*4*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*03/29/16 02:55*	*4*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/29/16 02:55*	*4*
Dibromofluoromethane (Surr)	*114*		*60 - 140*		*03/29/16 02:55*	*4*

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-96923-6

Date Collected: 03/22/16 00:00

Matrix: Water

Date Received: 03/23/16 01:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/29/16 03:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/29/16 03:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/29/16 03:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/29/16 03:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/29/16 03:20	1
1,1-Dichloroethene	ND	*	1.0	0.29	ug/L			03/29/16 03:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/29/16 03:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/29/16 03:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/29/16 03:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/29/16 03:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/29/16 03:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/29/16 03:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/29/16 03:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/29/16 03:20	1
2-Hexanone	ND		5.0	1.2	ug/L			03/29/16 03:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/29/16 03:20	1
Acetone	ND		10	3.0	ug/L			03/29/16 03:20	1
Benzene	ND		1.0	0.41	ug/L			03/29/16 03:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/29/16 03:20	1
Bromoform	ND		1.0	0.26	ug/L			03/29/16 03:20	1
Bromomethane	ND		1.0	0.69	ug/L			03/29/16 03:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/29/16 03:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/29/16 03:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/29/16 03:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/29/16 03:20	1
Chloroethane	ND		1.0	0.32	ug/L			03/29/16 03:20	1
Chloroform	ND		1.0	0.34	ug/L			03/29/16 03:20	1
Chloromethane	ND	*	1.0	0.35	ug/L			03/29/16 03:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/29/16 03:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/29/16 03:20	1
Cyclohexane	ND		1.0	0.18	ug/L			03/29/16 03:20	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			03/29/16 03:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/29/16 03:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/29/16 03:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/29/16 03:20	1
Methyl acetate	ND		2.5	1.3	ug/L			03/29/16 03:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/29/16 03:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/29/16 03:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/29/16 03:20	1

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

TestAmerica Job ID: 480-96923-1

Client Sample ID: QC TRIP BLANK
Date Collected: 03/22/16 00:00
Date Received: 03/23/16 01:25

Lab Sample ID: 480-96923-6
Matrix: Water

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			03/29/16 03:20	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			03/29/16 03:20	1
Toluene	ND		1.0	0.51	ug/L			03/29/16 03:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/29/16 03:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/29/16 03:20	1
Trichloroethene	ND		1.0	0.46	ug/L			03/29/16 03:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/29/16 03:20	1
Vinyl chloride	ND	*	1.0	0.90	ug/L			03/29/16 03:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/29/16 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/29/16 03:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*03/29/16 03:20*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/29/16 03:20*	*1*
Dibromofluoromethane (Surr)	*116*		*60 - 140*		*03/29/16 03:20*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-96923-1

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	BFB	DBFM
Lab Sample ID	Client Sample ID	(71-126)	(66-137)	(73-120)	(60-140)
480-96923-1	MW-11 032216	95	109	90	113
480-96923-2	MW-24 032216	97	110	91	116
480-96923-3	MW-18 032216	96	112	91	116
480-96923-4	MW-10 032216	97	117	93	117
480-96923-4 - DL	MW-10 032216	96	111	90	113
480-96923-5	MW-13 032216	96	112	90	114
480-96923-6	QC TRIP BLANK	94	111	89	116
LCS 480-292987/7	Lab Control Sample	100	106	99	105
LCS 480-293155/4	Lab Control Sample	100	104	100	105
MB 480-292987/9	Method Blank	95	113	89	113
MB 480-293155/6	Method Blank	94	106	94	111

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-292987/9
Matrix: Water
Analysis Batch: 292987

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			03/28/16 23:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/28/16 23:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/28/16 23:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/28/16 23:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/28/16 23:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/28/16 23:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/28/16 23:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/28/16 23:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/28/16 23:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/28/16 23:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/28/16 23:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/28/16 23:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/28/16 23:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/28/16 23:15	1
2-Hexanone	ND		5.0	1.2	ug/L			03/28/16 23:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/28/16 23:15	1
Acetone	ND		10	3.0	ug/L			03/28/16 23:15	1
Benzene	ND		1.0	0.41	ug/L			03/28/16 23:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/28/16 23:15	1
Bromoform	ND		1.0	0.26	ug/L			03/28/16 23:15	1
Bromomethane	ND		1.0	0.69	ug/L			03/28/16 23:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/28/16 23:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/28/16 23:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/28/16 23:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/28/16 23:15	1
Chloroethane	ND		1.0	0.32	ug/L			03/28/16 23:15	1
Chloroform	ND		1.0	0.34	ug/L			03/28/16 23:15	1
Chloromethane	ND		1.0	0.35	ug/L			03/28/16 23:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/28/16 23:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/28/16 23:15	1
Cyclohexane	ND		1.0	0.18	ug/L			03/28/16 23:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/28/16 23:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/28/16 23:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/28/16 23:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/28/16 23:15	1
Methyl acetate	ND		2.5	1.3	ug/L			03/28/16 23:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/28/16 23:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/28/16 23:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/28/16 23:15	1
Styrene	ND		1.0	0.73	ug/L			03/28/16 23:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/28/16 23:15	1
Toluene	ND		1.0	0.51	ug/L			03/28/16 23:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/28/16 23:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/28/16 23:15	1
Trichloroethene	ND		1.0	0.46	ug/L			03/28/16 23:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/28/16 23:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/28/16 23:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/28/16 23:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/28/16 23:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*		*03/28/16 23:15*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/28/16 23:15*	*1*
Dibromofluoromethane (Surr)	*113*		*60 - 140*		*03/28/16 23:15*	*1*

Lab Sample ID: LCS 480-292987/7
Matrix: Water
Analysis Batch: 292987

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	28.4		ug/L		113	71 - 129
1,1-Dichloroethene	25.0	30.9	*	ug/L		124	58 - 121
1,2-Dichlorobenzene	25.0	25.6		ug/L		102	80 - 124
1,2-Dichloroethane	25.0	26.6		ug/L		106	75 - 127
Benzene	25.0	27.5		ug/L		110	71 - 124
Chlorobenzene	25.0	27.4		ug/L		110	72 - 120
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	74 - 124
Ethylbenzene	25.0	26.9		ug/L		108	77 - 123
Methyl tert-butyl ether	25.0	24.0		ug/L		96	64 - 127
Tetrachloroethene	25.0	30.9	*	ug/L		124	74 - 122
Toluene	25.0	27.3		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	28.9		ug/L		116	73 - 127
Trichloroethene	25.0	27.1		ug/L		108	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*100*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

Lab Sample ID: MB 480-293155/6
Matrix: Water
Analysis Batch: 293155

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			03/29/16 21:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/29/16 21:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/29/16 21:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/29/16 21:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/29/16 21:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/29/16 21:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/29/16 21:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/29/16 21:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/29/16 21:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/29/16 21:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/29/16 21:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/29/16 21:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/29/16 21:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/29/16 21:54	1
2-Hexanone	ND		5.0	1.2	ug/L			03/29/16 21:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/29/16 21:54	1
Acetone	ND		10	3.0	ug/L			03/29/16 21:54	1
Benzene	ND		1.0	0.41	ug/L			03/29/16 21:54	1

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

Lab Sample ID: MB 480-293155/6
Matrix: Water
Analysis Batch: 293155

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			03/29/16 21:54	1
Bromoform	ND		1.0	0.26	ug/L			03/29/16 21:54	1
Bromomethane	ND		1.0	0.69	ug/L			03/29/16 21:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/29/16 21:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/29/16 21:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/29/16 21:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/29/16 21:54	1
Chloroethane	ND		1.0	0.32	ug/L			03/29/16 21:54	1
Chloroform	ND		1.0	0.34	ug/L			03/29/16 21:54	1
Chloromethane	ND		1.0	0.35	ug/L			03/29/16 21:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/29/16 21:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/29/16 21:54	1
Cyclohexane	ND		1.0	0.18	ug/L			03/29/16 21:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/29/16 21:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/29/16 21:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/29/16 21:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/29/16 21:54	1
Methyl acetate	ND		2.5	1.3	ug/L			03/29/16 21:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/29/16 21:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/29/16 21:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/29/16 21:54	1
Styrene	ND		1.0	0.73	ug/L			03/29/16 21:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/29/16 21:54	1
Toluene	ND		1.0	0.51	ug/L			03/29/16 21:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/29/16 21:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/29/16 21:54	1
Trichloroethene	ND		1.0	0.46	ug/L			03/29/16 21:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/29/16 21:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/29/16 21:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/29/16 21:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/29/16 21:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*03/29/16 21:54*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*03/29/16 21:54*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*03/29/16 21:54*	*1*

Lab Sample ID: LCS 480-293155/4
Matrix: Water
Analysis Batch: 293155

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	29.6		ug/L		118	71 - 129
1,1-Dichloroethene	25.0	32.7	*	ug/L		131	58 - 121
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	26.9		ug/L		108	75 - 127
Benzene	25.0	28.9		ug/L		115	71 - 124
Chlorobenzene	25.0	28.3		ug/L		113	72 - 120

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

Lab Sample ID: LCS 480-293155/4
Matrix: Water
Analysis Batch: 293155

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	25.0	28.3		ug/L		113	74 - 124
Ethylbenzene	25.0	27.8		ug/L		111	77 - 123
Methyl tert-butyl ether	25.0	25.4		ug/L		101	64 - 127
Tetrachloroethene	25.0	32.4	*	ug/L		130	74 - 122
Toluene	25.0	28.1		ug/L		112	80 - 122
trans-1,2-Dichloroethene	25.0	30.3		ug/L		121	73 - 127
Trichloroethene	25.0	28.8		ug/L		115	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-96923-1

GC/MS VOA

Analysis Batch: 292987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96923-1	MW-11 032216	Total/NA	Water	8260C	
480-96923-2	MW-24 032216	Total/NA	Water	8260C	
480-96923-3	MW-18 032216	Total/NA	Water	8260C	
480-96923-4	MW-10 032216	Total/NA	Water	8260C	
480-96923-5	MW-13 032216	Total/NA	Water	8260C	
480-96923-6	QC TRIP BLANK	Total/NA	Water	8260C	
LCS 480-292987/7	Lab Control Sample	Total/NA	Water	8260C	
MB 480-292987/9	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 293155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96923-4 - DL	MW-10 032216	Total/NA	Water	8260C	
LCS 480-293155/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-293155/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-96923-1

Client Sample ID: MW-11 032216
Lab Sample ID: 480-96923-1
Date Collected: 03/22/16 09:30
Matrix: Water
Date Received: 03/23/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	292987	03/29/16 01:15	GTG	TAL BUF

Client Sample ID: MW-24 032216
Lab Sample ID: 480-96923-2
Date Collected: 03/22/16 10:20
Matrix: Water
Date Received: 03/23/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	292987	03/29/16 01:40	GTG	TAL BUF

Client Sample ID: MW-18 032216
Lab Sample ID: 480-96923-3
Date Collected: 03/22/16 10:55
Matrix: Water
Date Received: 03/23/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		25	292987	03/29/16 02:05	GTG	TAL BUF

Client Sample ID: MW-10 032216
Lab Sample ID: 480-96923-4
Date Collected: 03/22/16 11:45
Matrix: Water
Date Received: 03/23/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	292987	03/29/16 02:30	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	4	293155	03/30/16 00:35	GTG	TAL BUF

Client Sample ID: MW-13 032216
Lab Sample ID: 480-96923-5
Date Collected: 03/22/16 12:00
Matrix: Water
Date Received: 03/23/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	292987	03/29/16 02:55	GTG	TAL BUF

Client Sample ID: QC TRIP BLANK
Lab Sample ID: 480-96923-6
Date Collected: 03/22/16 00:00
Matrix: Water
Date Received: 03/23/16 01:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	292987	03/29/16 03:20	GTG	TAL BUF

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

Certification Summary

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

TestAmerica Job ID: 480-96923-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-96923-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	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 = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

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

TestAmerica Job ID: 480-96923-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-96923-1	MW-11 032216	Water	03/22/16 09:30	03/23/16 01:25
480-96923-2	MW-24 032216	Water	03/22/16 10:20	03/23/16 01:25
480-96923-3	MW-18 032216	Water	03/22/16 10:55	03/23/16 01:25
480-96923-4	MW-10 032216	Water	03/22/16 11:45	03/23/16 01:25
480-96923-5	MW-13 032216	Water	03/22/16 12:00	03/23/16 01:25
480-96923-6	QC TRIP BLANK	Water	03/22/16 00:00	03/23/16 01:25

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTin Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-80946-12806.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@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 #: 11312000EST
Email: Yuri.Veliz@obg.com	WO #:
Project Name: Former Accurate Die Cast	Project #: 48008584
Site:	SSOW#:

Analysis Requested

480-96923 Chain of Custody

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)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-11 032216	3-22-16	9:30	G	Water			3	3	
MW-24 032216	3-22-16	10:20	G	Water			3	3	
MW-18 032216	3-22-16	10:55	G	Water			3	3	
MW-10 032216	3-22-16	11:45	G	Water			3	3	
MW-13 032216	3-22-16	12:00	G	Water			3	3	
QC TRIP BLANK				W			1	1	

RLF 3-22-16

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	3-22-16 / 13:52	OBG		3-22-16	13:52
Relinquished by: RELight	Date/Time: 3-22-16, 18:00	Company SYR	Received by:	Date/Time: 3-23-16 0025	Company 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: 1.7 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-96923-1

Login Number: 96923
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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