October 25, 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 third quarter of 2016 (July 1 through September 30). 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 September 30, 2016, a total of 110,519,100 gallons of groundwater have been treated since startup on February 5, 1996. Since July 1, 2016, 572,070 gallons of groundwater have been treated: 166,510 gallons from recovery well RW-1; 405,140 gallons from recovery well RW-2; and 420 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 July, August and September 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.

Also, OBG conducted the annual round of groundwater monitoring on October 4, 2016 during which samples were collected from monitoring wells MW-5, MW-6, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15B, MW-16B, MW-17, MW-18, MW-21, MW-22, MW-24, PZ-1 and PZ-2. Groundwater levels measured are presented on Table 2. The laboratory results are summarized in Tables 3 and 4, and the 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	7/5/2016	7/8/2016	7/11/2016	7/12/2016	7/14/2016	7/15/2016	7/18/2016	7/19/2016	7/21/2016	7/22/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	8060	7867	7637	7530	7480	7300	7243	7200	6985	7060
pH (SU)	6.5-8.5		2/Week	Grab	7.92	7.9	7.9	7.92	7.92	7.93	7.92	7.9	7.92	7.94
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4U				4U			4U		
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	659B				666B			658		
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.										
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.										
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U		
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U		
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	1.0 U							1.0 U		
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U		
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U		
Toluene (ug/L)	Monitor	20	2/Month	Grab	1.0 U							1.0 U		
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	1.0 U							1.0 U		

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

Table 1
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Fayetteville, New York
Monitoring Requirements and Effluent Data

Analyte (units)	Monitoring Requirements: Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 7/25/2016	Effluent 7/26/2016	Effluent 7/28/2016	Effluent 8/1/2016	Effluent 8/2/2016	Effluent 8/4/2016	Effluent 8/5/2016	Effluent 8/8/2016	Effluent 8/10/2016	Effluent 8/12/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	6803	6720	6640	6495	6370	6310	6310	6187	6045	5920
pH (SU)	6.5-8.5		2/Week	Grab	7.9	7.9	7.9	7.96	7.95	7.94	7.96	7.96	7.94	7.96
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4U						4U	4U		
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	667						647	699		
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.

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

Analyte (units)	Monitoring Requirements: Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 8/15/2016	Effluent 8/16/2016	Effluent 8/18/2016	Effluent 8/19/2016	Effluent 8/22/2016	Effluent 8/24/2016	Effluent 8/25/2016	Effluent 8/26/2016	Effluent 8/29/2016	Effluent 8/30/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	5700	6160	6230	6420	6367	6295	6330	6310	6190	6080
pH (SU)	6.5-8.5		2/Week	Grab	7.96	7.96	7.96	7.98	7.97	7.94	7.95	7.96	7.96	7.97
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	4U						4U			4U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	660						678B			686
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.										
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.										
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab										
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab										
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab										
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab										
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab										
Toluene (ug/L)	Monitor	20	2/Month	Grab										
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab										

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

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

Analyte (units)	Monitoring Requirements: Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 9/1/2016	Effluent 9/2/2016	Effluent 9/6/2016	Effluent 9/7/2016	Effluent 9/9/2016	Effluent 9/12/2016	Effluent 9/15/2016	Effluent 9/16/2016	Effluent 9/19/2016	Effluent 9/22/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	6005	5910	5768	5670	5550	5449	5330	5390	5187	5260
pH (SU)	6.5-8.5		2/Week	Grab	7.94	7.96	7.96	7.97	7.94	7.96	7.97	7.96	7.96	7.98
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.				4U		4U				4U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.				658		677				697
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:
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(1) Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

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

Analyte (units)	Monitoring Requirements: Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 9/23/2016	Effluent 9/26/2016	Effluent 9/27/2016	Effluent 9/30/2016	Effluent 10/3/2016
Flow (GPD)	Monitor	150000	Continuous	Meter	5310	5230	5150	5097	4993
pH (SU)	6.5-8.5		2/Week	Grab	7.96	7.97	7.96	7.97	7.98
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.			4U		4U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.			681		681
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.					0.0002U
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.					0.0021U
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 - 5(	---	---	---	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:

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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) 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:

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

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

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 4/18/1996	Groundwater Elevation (ft) 5/2/1996	Groundwater Elevation (ft) 6/6/1996	Groundwater Elevation (ft) 7/16/1996	Groundwater Elevation (ft) 9/5/1996	Groundwater Elevation (ft) 10/21/1996	Groundwater Elevation (ft) 11/19/1996	Groundwater Elevation (ft) 1/16/1997	Groundwater Elevation (ft) 2/4/1997	Groundwater Elevation (ft) 4/15/1997
MW-01	99.36	101.11	75.4 - 85.4	DRY	77.73	DRY	DRY	DRY	DRY	76.6	75.15	---	75.64
MW-02	91.8	94.68	76.6 - 86.6	84.86	85.35	83.17	83.32	82.57	83.18	84.22	83.56	---	83.81
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---	---	---	---
MW-04	65.62	68.52	46.6 - 56.6	60.28	59.7	51.63	52.45	DRY	55.91	55.91	53.12	---	---
MW-05	88.21	90.42	49.2 - 59.2	58.2	58.71	60.54	58.98	56.33	55.4	56.49	59.15	---	59.83
MW-06	77.46	79.38	46.4 - 56.4	57.41	58.17	59.91	58.13	54.95	53.71	55.61	58.39	---	59.34
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.32	54.75	55.02	53.95	52.44	51.22	52.68	54.28	---	54.7
MW-08	88.21	91.78	53.9 - 63.9	64.08	65.43	67.07	64.5	59.05	59.56	63.61	64.67	---	65.15
MW-09	102.44	104.03	49.7 - 59.7	57.73	58.46	60.18	58.38	55.38	54.24	56.64	58.65	---	59.6
MW-10 (B)	97.51	97.27	43 - 53	58.61	59.72	62.25	59.11	53.88	---	54.95	59.61	---	58.11
MW-11 (B)	91.48	93.8	43.1 - 53.1	58.94	60.35	62.68	59.53	54.72	52.88	55.85	60.15	---	58.59
MW-12	93.62	94.14	51.9 - 61.9	57.86	58.59	60.33	58.54	55.48	54.3	56.18	58.81	---	59.72
MW-13	98.8	98.7	77.7 - 87.7	79.52	79.44	79.28	79.35	79.15	79.07	80.68	80.49	---	80.33
MW-14	98.76	100.62	74.6 - 84.6	78.14	79.29	80.56	80.66	80.59	80.61	---	80.59	---	80.53
MW-15 (B)	96.1	98.9	32.7 - 42.7	58.84	59.87	62.62	59.24	54.83	51.58	51.99	58.83	---	59.83
MW-16 (B)	98.5	100.85	50.8 - 60.8	65.84	67.02	68.4	65.57	63.31	---	---	66.13	---	66.89
MW-17	66.9	69.24	53.7 - 63.7	59.3	59.95	59.22	58.46	57.89	55.96	58.02	59.33	---	59.64
MW-18	76.5	78.29	61.5 - 71.5	---	---	72.95	72.32	70.81	70.77	---	73.31	72.78	73.6
MW-19	69.5	71.27	46.5 - 56.5	---	---	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-20	70.98	73.34	51.9 - 61.9	---	---	DRY	50.26	DRY	DRY	DRY	DRY	---	---
MW-21	69.9	71.87	59.5 - 64.5	---	---	---	---	---	---	---	---	63.69	63.74
MW-22	71.5	73.34	60.9 - 65.9	---	---	---	---	---	---	---	---	63.69	67.92
MW-23 (B)	89.8	91.72	17.3 - 22.3	---	---	---	---	---	---	---	---	---	37.71
MW-24*			-	---	---	---	---	---	---	---	---	---	---
PZ-01	81.8	83.95	49.8 - 59.8	57.6	58.34	---	58.31	55.13	53.9	55.83	58.57	---	59.51
PZ-02	80.6	83.06	42.8 - 52.8	57.3	58.04	59.77	57.97	54.9	53.53	55.25	58.23	---	59.13
RW-01	78.4	80.28	.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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* - 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) 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 - 5(	43.34	42.03	43.13	32.6	32.36	54.69	---	50.73	40.88	---
RW-02 (B)	91.58	95.18	-	44.07	42.89	52.74	59.94	44.33	56.74	---	54.52	42.86	---
SUMP		97.93	-	75.01	74.75	74.89	74.96	75.2	75.26	---	78.49	74.91	75.33

Notes:

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* - Measurement relative to top of well casing. Elevations based on assumed datum. MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler).
MW-03 was removed as part of the TCE Soils Interim Remedial Measure (IRM) completed in September 1994. System shutdown 02/15/96; System restored 02/20/96.
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 - 5(	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	Groundwater Elevation (ft) 10/4/2016		
MW-01	99.36	101.11	75.4 - 85.4	78.43	75.06	77.29	75.07	80.26	75.07	76.29	75.06		
MW-02	91.8	94.68	76.6 - 86.6	84.68	83.36	85.18	83.06	85.18	83.06	84.26	83.38		
MW-03	97.65	99.63	73.7 - 83.7	---	---	---	---	---	---	---			
MW-04	65.62	68.52	46.6 - 56.6	---	---	---	---	---	---	---			
MW-05	88.21	90.42	49.2 - 59.2	61.08	60.38	61.74	60.24	60.22	60.06	60.86	59.7		
MW-06	77.46	79.38	46.4 - 56.4	60.98	60.04	61.35	59.94	60.02	59.88	60.46	59.52		
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.12	53.14	54.82	52.29	53.28	52.24	54.3	52.22		
MW-08	88.21	91.78	53.9 - 63.9	65.6	62.66	68.38	61.32	63.93	61.36	66.44	59.78		
MW-09	102.44	104.03	49.7 - 59.7	60.71	60.05	61.43	59.97	60.01	59.88	60.47	59.49		
MW-10 (B)	97.51	97.27	43 - 53	58.67	55.39	61.91	54.73	54.25	54.85	59.77	52.77		
MW-11 (B)	91.48	93.8	43.1 - 53.1	57.48	54.10	60.5	53.54	53.15	53.55	58.44	51.66		
MW-12	93.62	94.14	51.9 - 61.9	60.88	60.24	61.56	60.16	60.22	60.09	60.66	59.7		
MW-13	98.8	98.7	77.7 - 87.7	Dry	78.00	79.94	79.3	78.74	78.3	78.04	78		
MW-14	98.76	100.62	74.6 - 84.6	82.54	82.82	82.8	82.88	84.8	83.2	83.06	82.7		
MW-15 (B)	96.1	98.9	32.7 - 42.7	60.12	57.65	63.3	56.34	55.06	56.68	61.32	52.54		
MW-16 (B)	98.5	100.85	50.8 - 60.8	67.15	64.75	69.49	64.19	64.2	64.29	67.45	61.5		
MW-17	66.9	69.24	53.7 - 63.7	59.88	58.24	60.36	58.08	58.7	58	59.64	53.94		
MW-18	76.5	78.29	61.5 - 71.5	74.27	71.07	74.83	70.77	73.63	70.23	73.59	69.39		
MW-19	69.5	71.27	46.5 - 56.5	Dry	Dry	Dry	Dry	Dry	47.13	47.12	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	60.57		
MW-22	71.5	73.34	60.9 - 65.9	68.3	66.39	68.04	66.8	68.18	66.92	68.14	65.58		
MW-23 (B)	89.8	91.72	17.3 - 22.3	38.6	36.86	40.38	36.22	36.12	36.54	39.36	34.52		
MW-24*			-	Dry	---	---	---	---	---	---	---		
PZ-01	81.8	83.95	49.8 - 59.8	60.69	60.07	61.39	59.97	60.03	59.89	60.47	59.5		
PZ-02	80.6	83.06	42.8 - 52.8	60.51	59.88	61.14	59.78	59.84	59.72	60.28	59.34		
RW-01	78.4	80.28	.4 - 39.4, 45.4 - 5(	34.88	34.38	34.88	34.88	33.93	34.14	33.53	35.32		
RW-02 (B)	91.58	95.18	-	54.73	44.02	58.94	44.18	44.8	43.54	56.36	43.94		
SUMP		97.93	-	---	---	---	---	---	---	---			

Notes:

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

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

Sample Date / 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:

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

Sample Date / 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	---	---	---

Notes:

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

Sample Date / 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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MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits

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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	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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MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits

MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.

MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

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

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

Notes:

ND - Not detected above unknown MDL, U - Not detected above known MDL, --- - Not analyzed, NI - Not installed at time of monitoring, AB - Well was abandoned.

MW-01 through MW-16 installed during Remedial Investigation (Stearns & Wheler), F1 - MS/MSD recovery outside limits

MW-03 removed as part of TCE Soils Interim Remedial Measure (IRM) completed in September 1994. Data was collected by Stearns & Wheler prior to 07/22/94.

MW-04 and MW-20 were abandoned and replaced by MW-21 and MW-22 on 01/20/97.

Data provided only for wells presently included in either the annual or semi-annual monitoring list of wells.

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

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

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-09	10/6/2016	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-10	10/6/2016	5 U	5 U	5 U	5 U
MW-11	1/17/1996	---	100 U	100 U	---
MW-11	4/10/1996	---	100 U	100 U	---
MW-11	7/16/1996	100 U	100 U	100 U	100 U
MW-11	10/22/1996	100 U	100 U	100 U	100 U
MW-11	1/16/1997	100 U	100 U	100 U	100 U
MW-11	4/15/1997	50 U	50 U	50 U	50 U
MW-11	10/23/1997	50 U	50 U	50 U	50 U
MW-11	4/15/1998	50 U	50 U	50 U	50 U
MW-11	10/21/1998	50 U	50 U	50 U	50 U
MW-11	4/29/1999	50 U	50 U	50 U	50 U
MW-11	10/19/1999	25 U	25 U	25 U	25 U
MW-11	4/6/2000	20 U	20 U	20 U	20 U
MW-11	11/9/2000	20 U	20 U	20 U	20 U
MW-11	7/3/2001	20 U	20 U	20 U	20 U
MW-11	11/9/2001	20 U	20 U	20 U	20 U
MW-11	4/3/2002	20 U	20 U	20 U	20 U
MW-11	10/10/2002	20 U	20 U	20 U	20 U
MW-11	5/1/2003	20 U	20 U	20 U	20 U
MW-11	12/8/2003	50 U	50 U	50 U	50 U
MW-11	7/19/2004	10 U	10 U	10 U	10 U
MW-11	4/8/2005	**1.1**	**0.50 J**	0.50 U	0.50 U
MW-11	4/21/2006	10 U	10 U	10 U	10 U
MW-11	2/7/2007	5 U	5 U	5 U	5 U
MW-11	5/31/2007	5 U	5 U	5 U	5 U
MW-11	11/29/2007	**1.2**	0.5 U	0.5 U	0.5 U
MW-11	5/1/2008	0.65	0.5 U	0.5 U	0.5 U
MW-11	11/1/2008	10 U	10 U	10 U	10 U
MW-11	4/22/2009	10 U	10 U	10 U	10 U
MW-11	11/20/2009	10 U	10 U	10 U	10 U
MW-11	4/30/2010	10 U	10 U	10 U	10 U
MW-11	11/17/2010	10 U	10 U	10 U	10 U
MW-11	5/21/2011	10 U	10 U	10 U	10 U
MW-11	11/29/2011	10 U	10 U	10 U	10 U
MW-11	5/22/2012	25 U	25 U	25 U	25 U
MW-11	11/28/2012	25 U	25 U	25 U	25 U
MW-11	4/18/2013	25 U	25 U	25 U	25 U
MW-11	10/1/2013	1.1	1 U	1 U	1 U
MW-11	4/16/2014	1	1 U	1 U	1 U
MW-11	9/18/2014	5 U	5 U	5 U	5 U
MW-11	3/31/2015	5 U	5 U	5 U	5 U
MW-11	9/16/2015	10 U	10 U	10 U	10 U
MW-11	3/22/2016	10 U	10 U*	10 U	10 U
MW-11	10/6/2016	10 U	10 U	10 U	10U

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-12	10/6/2016	1 U	1 U	1 U	1 U
MW-13	10/24/1996	10 U	10 U	10 U	10 U
MW-13	10/23/1997	50 U	50 U	50 U	50 U
MW-13	10/21/1998	25 U	25 U	25 U	25 U
MW-13	10/20/1999	20 U	20 U	20 U	20 U
MW-13	11/9/2000	20 U	20 U	20 U	20 U
MW-13	11/8/2001	20 U	20 U	20 U	20 U
MW-13	6/11/2002	20 U	20 U	20 U	20 U
MW-13	10/11/2002	20 U	20 U	20 U	20 U
MW-13	4/8/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-13	4/21/2006	5 U	5 U	5 U	5 U
MW-13	2/7/2007	5 U	5 U	5 U	5 U
MW-13	5/31/2007	5 U	5 U	5 U	5 U
MW-13	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-13	5/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-13	11/1/2008	NS	NS	NS	NS
MW-13	4/30/2010	5 U	5 U	5 U	5 U
MW-13	11/17/2010	5 U	5 U	5 U	5 U
MW-13	11/29/2011	5 U	5 U	5 U	5 U
MW-13	5/22/2012	5 U	5 U	5 U	5 U
MW-13	11/28/2012	5 U	5 U	5 U	5 U
MW-13	4/18/2013	5 U	5 U	5 U	5 U
MW-13	10/1/2013	1 U	1 U	1 U	1 U
MW-13	4/16/2014	1 U	1 U	1 U	1 U
MW-13	9/18/2014	4 U	4 U	4 U	4 U
MW-13	3/31/2015	4 U	4 U	4 U	4 U
MW-13	9/16/2015	4 U	4 U	4 U	4 U
MW-13	3/22/2016	4 U	4 U*	4 U	4 U
MW-13	10/6/2016	4 U	4 U	4 U	4 U
MW-14	1/17/1996	---	5 U	5 U	---
MW-14	4/10/1996	---	5 U	5 U	---
MW-14	7/16/1996	10 U	10 U	10 U	10 U
MW-14	10/22/1996	5 U	5 U	5 U	5 U
MW-14	1/16/1997	10 U	10 U	10 U	10 U
MW-14	4/16/1997	10 U	10 U	10 U	10 U
MW-14	7/8/1997	10 U	10 U	10 U	10 U
MW-14	10/23/1997	10 U	10 U	10 U	10 U
MW-14	1/29/1998	10 U	10 U	10 U	10 U
MW-14	4/15/1998	10 U	10 U	10 U	10 U
MW-14	10/21/1998	10 U	10 U	10 U	10 U
MW-14	4/29/1999	10 U	10 U	10 U	10 U
MW-14	10/20/1999	10 U	10 U	10 U	10 U
MW-14	4/6/2000	5 U	5 U	5 U	5 U
MW-14	11/8/2000	5 U	5 U	5 U	5 U
MW-14	7/3/2001	5 U	5 U	5 U	5 U
MW-14	11/8/2001	5 U	5 U	5 U	5 U
MW-14	10/11/2002	5 U	5 U	5 U	5 U
MW-14	5/1/2003	5 U	5 U	5 U	5 U
MW-14	12/8/2003	10 U	10 U	10 U	10 U
MW-14	12/28/2004	5.0 U	5.0 U	5.0 U	5.0 U
MW-14	11/9/2005	5.00 U	5.00 U	5.00 U	5.00 U
MW-14	1/2/2007	5 U	5 U	5 U	5 U
MW-14	11/29/2007	**0.94**	0.5 U	0.5 U	0.5 U

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

Location ID	Chemical Name / Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-14	11/1/2008	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-14	10/6/2016	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-15	10/6/2016	1 U	1 U	1 U	1 U
MW-16	10/22/1996	1 U	1 U	1 U	1 U
MW-16	10/22/1997	1 U	1 U	1 U	1 U
MW-16	10/21/1998	1 U	1 U	1 U	1 U
MW-16	10/19/1999	1 U	1 U	1 U	1 U
MW-16	11/9/2000	1 U	1 U	1 U	1 U
MW-16	11/8/2001	1 U	1 U	1 U	1 U
MW-16	10/11/2002	1 U	1 U	1 U	1 U
MW-16	12/8/2003	1 U	1 U	1 U	1 U
MW-16	12/28/2004	0.50 U	0.50 U	0.50 U	0.50 U
MW-16	11/9/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-16	1/2/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/20/2009	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/17/2010	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/28/2012	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	10/1/2013	1 U	1 U	1 U	1 U
MW-16	9/18/2014	1 U	1 U	1 U	1 U
MW-16	9/16/2015	1 U	1 U	1 U	1 U
MW-16	10/6/2016	1 U	1 U	1 U	1 U

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-17	10/6/2016	**18**	**5.2**	5 U	5 U
MW-18	5/29/1996	50 U	50 U	50 U	50 U
MW-18	10/22/1996	**81**	50 U	50 U	50 U
MW-18	1/16/1997	100 U	100 U	100 U	100 U
MW-18	4/16/1997	10 U	10 U	10 U	10 U
MW-18	7/8/1997	**66**	50 U	50 U	50 U
MW-18	10/23/1997	100 U	100 U	100 U	100 U
MW-18	1/29/1998	50 U	50 U	50 U	50 U
MW-18	4/16/1998	50 U	50 U	50 U	50 U
MW-18	10/21/1998	**160**	100 U	100 U	100 U
MW-18	4/29/1999	**37**	25 U	25 U	25 U
MW-18	10/19/1999	100 U	100 U	100 U	100 U
MW-18	4/6/2000	**14**	10 U	10 U	10 U
MW-18	11/9/2000	**100**	50 U	50 U	50 U
MW-18	7/3/2001	50 U	50 U	50 U	50 U
MW-18	11/10/2001	**120**	50 U	50 U	50 U
MW-18	4/4/2002	10 U	10 U	10 U	10 U
MW-18	10/15/2002	**310**	50 U	50 U	50 U
MW-18	5/1/2003	**130**	50 U	50 U	50 U
MW-18	12/8/2003	100 U	100 U	100 U	100 U
MW-18	7/19/2004	**140**	50 U	50 U	50 U
MW-18	4/8/2005	**120**	**0.51**	0.50 U	**0.86**
MW-18	4/21/2006	**127**	25 U	25 U	25 U
MW-18	2/7/2007	**68.5**	12.5 U	12.5 U	12.5 U
MW-18	5/31/2007	**136**	12.5 U	12.5 U	12.5 U
MW-18	11/29/2007	**190**	**0.51**	0.5 U	**0.86**
MW-18	5/1/2008	**108**	0.5 U	0.5 U	**0.81**
MW-18	11/1/2008	**148**	25 U	25 U	25 U
MW-18	04/22/2009	**79.5**	25 U	25 U	25 U

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	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-18	10/6/2016	**500**	20 U	20 U	20 U
MW-20	5/24/1996	**46**	1 U	1 U	1 U
MW-21	1/21/1997	**650**	100 U	100 U	100 U
MW-21	4/16/1997	**630**	50 U	50 U	50 U
MW-21	7/8/1997	**770**	50 U	50 U	50 U
MW-21	10/23/1997	**800**	50 U	50 U	50 U
MW-21	1/29/1998	**350**	10 U	10 U	10 U
MW-21	4/16/1998	**1400**	50 U	50 U	50 U
MW-21	10/21/1998	**340**	50 U	50 U	50 U
MW-21	4/29/1999	**2100**	100 U	100 U	100 U
MW-21	10/19/1999	**670**	20 U	20 U	20 U
MW-21	4/6/2000	**140**	5 U	5 U	5 U
MW-21	11/7/2000	**220**	5 U	5 U	5 U
MW-21	7/3/2001	**130**	5 U	5 U	5 U
MW-21	11/10/2001	**240**	5 U	5 U	5 U
MW-21	12/8/2003	**32**	1 U	1 U	1 U
MW-21	12/28/2004	**2.8**	0.50 U	0.50 U	0.50 U
MW-21	11/9/2005	**20**	0.50 U	0.50 U	0.50 U
MW-21	1/2/2007	**15.4**	0.5 U	0.5 U	0.5 U
MW-21	11/29/2007	**25**	0.5 U	0.5 U	0.5 U
MW-21	11/1/2008	**45.2**	0.5 U	0.5 U	0.5 U
MW-21	11/20/2009	**40.7**	1 U	1 U	1 U
MW-21	11/17/2010	**22.6**	1 U	1 U	1 U
MW-21	11/29/2011	**18.8**	0.5 U	0.5 U	0.5 U
MW-21	11/28/2012	**71**	2.5 U	2.5 U	2.5 U
MW-21	10/1/2013	**28**	1 U	1 U	1 U
MW-21	9/18/2014	**30**	1 U	1 U	1 U
MW-21	9/16/2015	40	1 U	1 U	1 U
MW-21	10/6/2016	**48**	1 U	1 U	1 U
MW-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-22	10/6/2016	**30**	1 U	1 U	**2.5**
MW-23	4/15/1997	1 U	1 U	1 U	1 U
MW-23	7/8/1997	1 U	1 U	1 U	1 U
MW-23	10/22/1997	1 U	1 U	1 U	1 U
MW-23	1/29/1998	1 U	1 U	1 U	1 U
MW-23	10/21/1998	1 U	1 U	1 U	1 U
MW-23	10/19/1999	1 U	1 U	1 U	1 U
MW-23	11/7/2000	1 U	1 U	1 U	1 U
MW-23	11/8/2001	1 U	1 U	1 U	1 U
MW-24	11/9/1998	**2600**	200 U	200 U	200 U
MW-24	4/29/1999	**1600**	100 U	100 U	100 U
MW-24	10/19/1999	**3000**	100 U	100 U	100 U
MW-24	4/6/2000	**250**	20 U	20 U	20 U
MW-24	11/7/2000	**1200**	50 U	50 U	50 U
MW-24	7/3/2001	**400**	50 U	50 U	50 U
MW-24	11/10/2001	**2100**	50 U	50 U	50 U
MW-24	6/11/2002	**680**	50 U	50 U	50 U
MW-24	5/1/2003	**410**	10 U	10 U	10 U
MW-24	12/8/2003	**81**	10 U	10 U	10 U
MW-24	7/19/2004	**680**	10 U	10 U	10 U
MW-24	12/28/2004	**69**	5.0 U	5.0 U	5.0 U
MW-24	4/8/2005	**44**	2.0 U	2.0 U	2.0 U
MW-24	11/9/2005	**75.6**	2.50 U	2.50 U	2.50 U
MW-24	4/21/2006	**180**	2.5 U	2.5 U	2.5 U
MW-24	1/2/2007	**5.15**	2.5 U	2.5 U	2.5 U
MW-24	5/31/2007	**45.7**	2.5 U	2.5 U	2.5 U
MW-24	11/29/2007	**42**	0.5 U	0.5 U	0.5 U
MW-24	5/1/2008	**8.21**	0.5 U	0.5 U	0.5 U
MW-24	11/1/2008	**51.9**	5 U	5 U	5 U
MW-24	04/22/2009	**8.1**	5 U	5 U	5 U
MW-24	04/30/2010	**11**	2.5 U	2.5 U	2.5 U
MW-24	11/17/2010	**212**	2.5 U	2.5 U	2.5 U
MW-24	5/21/2011	**492**	5 U	5 U	5 U
MW-24	11/29/2011	**43.3**	5 U	5 U	5 U
MW-24	5/22/2012	**36.9**	5 U	5 U	5 U
MW-24	11/28/2012	**111**	25 U	25 U	25 U
MW-24	4/18/2013	**43**	25 U	25 U	25 U
MW-24	10/1/2013	**150**	1 U	1 U	1.9
MW-24	4/16/2014	**89**	1 U	1 U	1.2
MW-24	9/18/2014	**110**	5 U	5 U	5 U
MW-24	3/31/2015	**14**	5 U	5 U	5 U
MW-24	9/16/2015	**150**	5 U	5 U	5 U
MW-24	3/22/2016	**34**	5 U*	5 U	5 U
MW-24	10/6/2016	**65**	5 U	5 U	5 U

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-01	10/6/0216	1 U	1 U	1 U	1 U
PZ-02	10/21/1996	10 U	10 U	10 U	10 U
PZ-02	10/23/1997	10 U	10 U	10 U	10 U
PZ-02	10/20/1998	10 U	10 U	10 U	10 U
PZ-02	10/19/1999	1 U	1 U	1 U	1 U
PZ-02	11/9/2000	5 U	5 U	5 U	5 U
PZ-02	11/10/2001	5 U	5 U	5 U	5 U
PZ-02	10/11/2002	5 U	5 U	5 U	5 U
PZ-02	12/8/2003	5 U	5 U	5 U	5 U
PZ-02	12/28/2004	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/9/2005	2.50 U	2.50 U	2.50 U	2.50 U
PZ-02	1/2/2007	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/29/2007	**1.1**	**0.51**	0.5 U	0.5 U
PZ-02	11/1/2008	**1**	0.5 U	0.5 U	0.5 U
PZ-02	11/20/2009	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/17/2010	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/29/2011	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	11/28/2012	2.5 U	2.5 U	2.5 U	2.5 U
PZ-02	10//1/2013	1 U	**0.57 J**	1 U	1 U
PZ-02	9/18/2014	1 U	**0.47 J**	1 U	1 U
PZ-02	9/16/2015	1 U	**0.49 J**	1 U	1 U
PZ-02	10/6/2016	1 U	**0.48 J**	1 U	1 U

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: 480-102634-1
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:
7/12/2016 9:23:51 AM

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

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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: 480-102634-1

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: 480-102634-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-102634-1

Receipt
The samples were received on 7/6/2016 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

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

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

Detection Summary

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

TestAmerica Job ID: 480-102634-1

Client Sample ID: EFFLUENT 070516 — Lab Sample ID: 480-102634-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	659	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 070516 — Lab Sample ID: 480-102634-2

No Detections.

Client Sample ID: EFFLUENT 070516 — Lab Sample ID: 480-102634-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 070516

Lab Sample ID: 480-102634-1

Date Collected: 07/05/16 07:20
Matrix: Water
Date Received: 07/06/16 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	659	B	10.0	4.0	mg/L			07/07/16 08:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/07/16 12:48	1

Client Sample ID: BETWEEN CARBONS 070516

Lab Sample ID: 480-102634-2

Date Collected: 07/05/16 07:20
Matrix: Water
Date Received: 07/06/16 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			07/06/16 21:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/16 21:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/16 21:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/16 21:21	1
Toluene	ND		1.0	0.51	ug/L			07/06/16 21:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/16 21:21	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/16 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*07/06/16 21:21*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/06/16 21:21*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*07/06/16 21:21*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*07/06/16 21:21*	*1*

Client Sample ID: EFFLUENT 070516

Lab Sample ID: 480-102634-3

Date Collected: 07/05/16 07:20
Matrix: Water
Date Received: 07/06/16 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			07/06/16 21:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/16 21:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/16 21:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/16 21:44	1
Toluene	ND		1.0	0.51	ug/L			07/06/16 21:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/16 21:44	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/16 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*07/06/16 21:44*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*07/06/16 21:44*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*07/06/16 21:44*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*07/06/16 21:44*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-102634-1

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)
480-102634-2	BETWEEN CARBONS 070516	98	99	90	102
480-102634-3	EFFLUENT 070516	97	102	93	101
LCS 480-309937/5	Lab Control Sample	97	102	95	98
MB 480-309937/7	Method Blank	98	99	94	99

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 480-309937/7
Matrix: Water
Analysis Batch: 309937

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			07/06/16 19:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/06/16 19:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/06/16 19:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/06/16 19:59	1
Toluene	ND		1.0	0.51	ug/L			07/06/16 19:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/06/16 19:59	1
Trichloroethene	ND		1.0	0.46	ug/L			07/06/16 19:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*07/06/16 19:59*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/06/16 19:59*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*07/06/16 19:59*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*07/06/16 19:59*	*1*

Lab Sample ID: LCS 480-309937/5
Matrix: Water
Analysis Batch: 309937

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	70 - 126
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	74 - 124
Methylene Chloride	25.0	25.4		ug/L		102	57 - 132
Tetrachloroethene	25.0	27.1		ug/L		108	74 - 122
Toluene	25.0	25.4		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	24.9		ug/L		100	73 - 127
Trichloroethene	25.0	24.6		ug/L		98	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Toluene-d8 (Surr)	*95*		*71 - 126*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

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

Lab Sample ID: MB 480-310084/1
Matrix: Water
Analysis Batch: 310084

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			07/07/16 12:48	1

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

Lab Sample ID: LCS 480-310084/2
Matrix: Water
Analysis Batch: 310084

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	266	266.8		mg/L		100	88 - 110

Lab Sample ID: 480-102634-1 DU
Matrix: Water
Analysis Batch: 310084

Client Sample ID: EFFLUENT 070516
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 480-310001/1
Matrix: Water
Analysis Batch: 310001

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	8.00	J	10.0	4.0	mg/L			07/07/16 08:09	1

Lab Sample ID: LCS 480-310001/2
Matrix: Water
Analysis Batch: 310001

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	506	490.0		mg/L		97	85 - 115

Lab Sample ID: 480-102634-1 DU
Matrix: Water
Analysis Batch: 310001

Client Sample ID: EFFLUENT 070516
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	659	B	648.0		mg/L		2	10

QC Association Summary

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

TestAmerica Job ID: 480-102634-1

GC/MS VOA

Analysis Batch: 309937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102634-2	BETWEEN CARBONS 070516	Total/NA	Water	8260C	
480-102634-3	EFFLUENT 070516	Total/NA	Water	8260C	
LCS 480-309937/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-309937/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 310001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102634-1	EFFLUENT 070516	Total/NA	Water	SM2540 C	
480-102634-1 DU	EFFLUENT 070516	Total/NA	Water	SM2540 C	
LCS 480-310001/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-310001/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 310084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-102634-1	EFFLUENT 070516	Total/NA	Water	SM 2540D	
480-102634-1 DU	EFFLUENT 070516	Total/NA	Water	SM 2540D	
LCS 480-310084/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-310084/1	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: 480-102634-1

Client Sample ID: EFFLUENT 070516

Lab Sample ID: 480-102634-1

Date Collected: 07/05/16 07:20

Matrix: Water

Date Received: 07/06/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	310084	07/07/16 12:48	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	310001	07/07/16 08:09	EKB	TAL BUF

Client Sample ID: BETWEEN CARBONS 070516

Lab Sample ID: 480-102634-2

Date Collected: 07/05/16 07:20

Matrix: Water

Date Received: 07/06/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	309937	07/06/16 21:21	SWO	TAL BUF

Client Sample ID: EFFLUENT 070516

Lab Sample ID: 480-102634-3

Date Collected: 07/05/16 07:20

Matrix: Water

Date Received: 07/06/16 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	309937	07/06/16 21:44	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: 480-102634-1

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: 480-102634-1

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: 480-102634-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-102634-1	EFFLUENT 070516	Water	07/05/16 07:20	07/06/16 09:30
480-102634-2	BETWEEN CARBONS 070516	Water	07/05/16 07:20	07/06/16 09:30
480-102634-3	EFFLUENT 070516	Water	07/05/16 07:20	07/06/16 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 Kaznecki	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No:
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		
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 #: 11600011			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

480-102634 Chain of Custody

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
Effluent 070516	7-5-16	7:20	C	Water			1	1		2	
Between Carbons 070516	7-5-16	7:20	G	Water					3	3	
Effluent 070516	7-5-16	7:20	G	water					3	3	

RE 7-5-16

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
Martin Kaznecki	7-5-16 / 9:55	OBG	R. Ezzy	7-5-16, 0955	Syr
R. Ezzy	7-5-16, 1900	Syr	[illegible]	7/6/16 0930	

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

7/12/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-102634-1

Login Number: 102634
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 (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

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

TestAmerica Job ID: 480-103123-1
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:
7/29/2016 2:50:48 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: 480-103123-1

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: 480-103123-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-103123-1

Receipt
The sample was received on 7/15/2016 2:10 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º 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: 480-103123-1

Client Sample ID: EFFLUENT 071416

Lab Sample ID: 480-103123-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	666	B	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: 480-103123-1

Client Sample ID: EFFLUENT 071416
Date Collected: 07/14/16 07:00
Date Received: 07/15/16 02:10

Lab Sample ID: 480-103123-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**666**	**B**	10.0	4.0	mg/L			07/21/16 10:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/21/16 13:06	1

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

Lab Sample ID: MB 480-312292/1
Matrix: Water
Analysis Batch: 312292

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			07/21/16 13:06	1

Lab Sample ID: LCS 480-312292/2
Matrix: Water
Analysis Batch: 312292

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	258	255.2		mg/L		99	88 - 110

Lab Sample ID: 480-103123-1 DU
Matrix: Water
Analysis Batch: 312292

Client Sample ID: EFFLUENT 071416
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 480-312256/1
Matrix: Water
Analysis Batch: 312256

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			07/21/16 10:01	1

Lab Sample ID: LCS 480-312256/2
Matrix: Water
Analysis Batch: 312256

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	504.0		mg/L		100	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-103123-1

General Chemistry

Analysis Batch: 312256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-103123-1	EFFLUENT 071416	Total/NA	Water	SM2540 C	
MB 480-312256/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-312256/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 312292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-103123-1	EFFLUENT 071416	Total/NA	Water	SM 2540D	
MB 480-312292/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-312292/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-103123-1 DU	EFFLUENT 071416	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-103123-1

Client Sample ID: EFFLUENT 071416
Date Collected: 07/14/16 07:00
Date Received: 07/15/16 02:10

Lab Sample ID: 480-103123-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	312292	07/21/16 13:06	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	312256	07/21/16 10:01	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: 480-103123-1

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: 480-103123-1

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: 480-103123-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-103123-1	EFFLUENT 071416	Water	07/14/16 07:00	07/15/16 02:10

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	Ca	COC No: 480-78335-10586.1
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:			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 - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY, 13221				Other:
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11600011			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

480-103123 Chain of Custody

Analysis Reque

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 071416	7-14-16	7:00	G	Water			1	1	2	
			RE							
			7-14-16							

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	Date/Time	Company	Received by	Date/Time	Company
1	Martin Koennecke	7-14-16 / 9:40	OBG		7-14-16 1740	
2	R English	7-14-16, 19:00	Syr		7-15-16 0210	TAB
3						

Custody Seals Intact: △ Yes △ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.2 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-103123-1

Login Number: 103123

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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: 480-103318-1
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:
8/3/2016 11:11:34 PM

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

LINKS

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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: 480-103318-1

Job ID: 480-103318-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-103318-1

Receipt
The samples were received on 7/20/2016 3:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-312192 recovered outside acceptance criteria, low biased, for 1,2-Dichlorobenzene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. EFFLUENT 071916 (480-103318-2)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-312192 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: EFFLUENT 071916 (480-103318-2).

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

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

Detection Summary

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

TestAmerica Job ID: 480-103318-1

Client Sample ID: EFFLUENT 071916 — Lab Sample ID: 480-103318-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	658		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 071916 — Lab Sample ID: 480-103318-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 071916

Lab Sample ID: 480-103318-1
Matrix: Water
Date Collected: 07/19/16 07:00
Date Received: 07/20/16 03:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	658		10.0	4.0	mg/L			07/26/16 09:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/25/16 18:55	1

Client Sample ID: EFFLUENT 071916

Lab Sample ID: 480-103318-2
Matrix: Water
Date Collected: 07/19/16 07:00
Date Received: 07/20/16 03:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			07/21/16 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/16 14:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/21/16 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/21/16 14:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/16 14:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/16 14:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/16 14:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/16 14:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/16 14:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/16 14:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/16 14:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/16 14:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/16 14:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/16 14:13	1
2-Hexanone	ND		5.0	1.2	ug/L			07/21/16 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/16 14:13	1
Acetone	ND		10	3.0	ug/L			07/21/16 14:13	1
Benzene	ND		1.0	0.41	ug/L			07/21/16 14:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/16 14:13	1
Bromoform	ND		1.0	0.26	ug/L			07/21/16 14:13	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/16 14:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/21/16 14:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/16 14:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/16 14:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/21/16 14:13	1
Chloroethane	ND		1.0	0.32	ug/L			07/21/16 14:13	1
Chloroform	ND		1.0	0.34	ug/L			07/21/16 14:13	1
Chloromethane	ND		1.0	0.35	ug/L			07/21/16 14:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/16 14:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/16 14:13	1
Cyclohexane	ND		1.0	0.18	ug/L			07/21/16 14:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/16 14:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/21/16 14:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/16 14:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/16 14:13	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/16 14:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/16 14:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/21/16 14:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/16 14:13	1

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

TestAmerica Job ID: 480-103318-1

Client Sample ID: EFFLUENT 071916
Date Collected: 07/19/16 07:00
Date Received: 07/20/16 03:00

Lab Sample ID: 480-103318-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			07/21/16 14:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/21/16 14:13	1
Toluene	ND		1.0	0.51	ug/L			07/21/16 14:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/16 14:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/21/16 14:13	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/16 14:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/16 14:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/21/16 14:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/21/16 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*71 - 126*		*07/21/16 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*		*07/21/16 14:13*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*07/21/16 14:13*	*1*
Dibromofluoromethane (Surr)	*119*		*60 - 140*		*07/21/16 14:13*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-103318-1

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)
480-103318-2	EFFLUENT 071916	101	118	99	119
LCS 480-312192/4	Lab Control Sample	102	116	109	114
MB 480-312192/6	Method Blank	99	113	100	113

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 480-312192/6
Matrix: Water
Analysis Batch: 312192

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			07/21/16 12:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/21/16 12:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/21/16 12:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/21/16 12:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/21/16 12:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/21/16 12:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/21/16 12:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/21/16 12:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/21/16 12:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/21/16 12:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/21/16 12:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/21/16 12:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/21/16 12:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/21/16 12:06	1
2-Hexanone	ND		5.0	1.2	ug/L			07/21/16 12:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/21/16 12:06	1
Acetone	ND		10	3.0	ug/L			07/21/16 12:06	1
Benzene	ND		1.0	0.41	ug/L			07/21/16 12:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/21/16 12:06	1
Bromoform	ND		1.0	0.26	ug/L			07/21/16 12:06	1
Bromomethane	ND		1.0	0.69	ug/L			07/21/16 12:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/21/16 12:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/21/16 12:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/21/16 12:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/21/16 12:06	1
Chloroethane	ND		1.0	0.32	ug/L			07/21/16 12:06	1
Chloroform	ND		1.0	0.34	ug/L			07/21/16 12:06	1
Chloromethane	ND		1.0	0.35	ug/L			07/21/16 12:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/21/16 12:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/21/16 12:06	1
Cyclohexane	ND		1.0	0.18	ug/L			07/21/16 12:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/21/16 12:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/21/16 12:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/21/16 12:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/21/16 12:06	1
Methyl acetate	ND		2.5	1.3	ug/L			07/21/16 12:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/21/16 12:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/21/16 12:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/21/16 12:06	1
Styrene	ND		1.0	0.73	ug/L			07/21/16 12:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/21/16 12:06	1
Toluene	ND		1.0	0.51	ug/L			07/21/16 12:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/21/16 12:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/21/16 12:06	1
Trichloroethene	ND		1.0	0.46	ug/L			07/21/16 12:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/21/16 12:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/21/16 12:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/21/16 12:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		71 - 126		07/21/16 12:06	1
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		07/21/16 12:06	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/21/16 12:06	1
Dibromofluoromethane (Surr)	113		60 - 140		07/21/16 12:06	1

Lab Sample ID: LCS 480-312192/4
Matrix: Water
Analysis Batch: 312192

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.3		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.9		ug/L		88	70 - 126
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1		ug/L		96	52 - 148
1,1-Dichloroethane	25.0	24.4		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	23.8		ug/L		95	58 - 121
1,2,4-Trichlorobenzene	25.0	23.9		ug/L		95	70 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.4		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	27.9		ug/L		112	75 - 127
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	23.5		ug/L		94	75 - 120
2-Butanone (MEK)	125	123		ug/L		99	57 - 140
2-Hexanone	125	128		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	127		ug/L		102	71 - 125
Acetone	125	151		ug/L		120	56 - 142
Benzene	25.0	23.0		ug/L		92	71 - 124
Bromodichloromethane	25.0	28.5		ug/L		114	80 - 122
Bromoform	25.0	27.7		ug/L		111	52 - 132
Bromomethane	25.0	28.2		ug/L		113	55 - 144
Carbon disulfide	25.0	22.1		ug/L		88	59 - 134
Carbon tetrachloride	25.0	29.8		ug/L		119	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	72 - 120
Dibromochloromethane	25.0	29.1		ug/L		116	75 - 125
Chloroethane	25.0	22.5		ug/L		90	69 - 136
Chloroform	25.0	26.6		ug/L		106	73 - 127
Chloromethane	25.0	26.5		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Cyclohexane	25.0	24.3		ug/L		97	59 - 135
Dichlorodifluoromethane	25.0	20.7		ug/L		83	59 - 135
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
1,2-Dibromoethane	25.0	25.8		ug/L		103	77 - 120
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
Methyl acetate	125	114		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	26.6		ug/L		106	64 - 127
Methylcyclohexane	25.0	21.3		ug/L		85	61 - 138
Methylene Chloride	25.0	26.0		ug/L		104	57 - 132
Styrene	25.0	26.0		ug/L		104	70 - 130
Tetrachloroethene	25.0	23.1		ug/L		92	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		97	73 - 127

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

Lab Sample ID: LCS 480-312192/4
Matrix: Water
Analysis Batch: 312192

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	27.7		ug/L		111	72 - 123
Trichloroethene	25.0	23.9		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	25.5		ug/L		102	62 - 152
Vinyl chloride	25.0	22.3		ug/L		89	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*116*		*66 - 137*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*114*		*60 - 140*

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

Lab Sample ID: MB 480-312824/1
Matrix: Water
Analysis Batch: 312824

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			07/25/16 18:55	1

Lab Sample ID: LCS 480-312824/2
Matrix: Water
Analysis Batch: 312824

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Suspended Solids	268	270.0		mg/L		101	88 - 110

Lab Sample ID: 480-103318-1 DU
Matrix: Water
Analysis Batch: 312824

Client Sample ID: EFFLUENT 071916
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 480-312917/1
Matrix: Water
Analysis Batch: 312917

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			07/26/16 09:31	1

Method: SM2540 C - Total Dissolved Solids (Continued)

Lab Sample ID: LCS 480-312917/2
Matrix: Water
Analysis Batch: 312917

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	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: 480-103318-1

GC/MS VOA

Analysis Batch: 312192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-103318-2	EFFLUENT 071916	Total/NA	Water	8260C	
MB 480-312192/6	Method Blank	Total/NA	Water	8260C	
LCS 480-312192/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 312824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-103318-1	EFFLUENT 071916	Total/NA	Water	SM 2540D	
MB 480-312824/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-312824/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-103318-1 DU	EFFLUENT 071916	Total/NA	Water	SM 2540D	

Analysis Batch: 312917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-103318-1	EFFLUENT 071916	Total/NA	Water	SM2540 C	
MB 480-312917/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-312917/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-103318-1

Client Sample ID: EFFLUENT 071916

Lab Sample ID: 480-103318-1

Date Collected: 07/19/16 07:00

Matrix: Water

Date Received: 07/20/16 03:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	312824	07/25/16 18:55	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	312917	07/26/16 09:31	EKB	TAL BUF

Client Sample ID: EFFLUENT 071916

Lab Sample ID: 480-103318-2

Date Collected: 07/19/16 07:00

Matrix: Water

Date Received: 07/20/16 03:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	312192	07/21/16 14:13	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: 480-103318-1

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: 480-103318-1

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: 480-103318-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-103318-1	EFFLUENT 071916	Water	07/19/16 07:00	07/20/16 03:00
480-103318-2	EFFLUENT 071916	Water	07/19/16 07:00	07/20/16 03:00

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

Chain of Custody Record

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480-103318 Chain of Custody

Client Information			
Sampler: MARTIN Koenwecki	Lab PM: Johnson, Orlette S	COC No: 480-78349-10587.1	
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 #: 11600011		
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	8260C - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
				Preservation Code:			N	N	A		
Effluent 071916	7-19-16	7:00	C	Water			1	1		2	
Effluent 071916	7-19-16	7:00	G	water					3	3	

RB 7-19-16

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:

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koenecke	7-19-16 / 9:40	OBG	[signature]	TA Syr 7-19-16 9:40	
REngelke	7-19-16, 19:00	Syr	[signature]	7-20-16 0300	TAB

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

480325 - Syracuse SC

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-103318-1

Login Number: 103318

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 480-103633-1
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:
8/4/2016 7:44:49 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: 480-103633-1

Job ID: 480-103633-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-103633-1

Comments
No additional comments.

Receipt
The sample was received on 7/26/2016 1:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.8º 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: 480-103633-1

Client Sample ID: EFFLUENT 072516

Lab Sample ID: 480-103633-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	667		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: 480-103633-1

Client Sample ID: EFFLUENT 072516
Date Collected: 07/25/16 07:00
Date Received: 07/26/16 01:30

Lab Sample ID: 480-103633-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**667**		10.0	4.0	mg/L			07/30/16 10:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			07/31/16 14:14	1

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

Lab Sample ID: MB 480-313733/1
Matrix: Water
Analysis Batch: 313733

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			07/31/16 14:14	1

Lab Sample ID: LCS 480-313733/2
Matrix: Water
Analysis Batch: 313733

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	273	272.8		mg/L		100	88 - 110

Lab Sample ID: 480-103633-1 DU
Matrix: Water
Analysis Batch: 313733

Client Sample ID: EFFLUENT 072516
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 480-313685/1
Matrix: Water
Analysis Batch: 313685

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			07/30/16 10:48	1

Lab Sample ID: LCS 480-313685/2
Matrix: Water
Analysis Batch: 313685

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	503	500.0		mg/L		99	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-103633-1

General Chemistry

Analysis Batch: 313685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-103633-1	EFFLUENT 072516	Total/NA	Water	SM2540 C	
MB 480-313685/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-313685/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 313733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-103633-1	EFFLUENT 072516	Total/NA	Water	SM 2540D	
MB 480-313733/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-313733/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-103633-1 DU	EFFLUENT 072516	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-103633-1

Client Sample ID: EFFLUENT 072516
Date Collected: 07/25/16 07:00
Date Received: 07/26/16 01:30

Lab Sample ID: 480-103633-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	313733	07/31/16 14:14	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	313685	07/30/16 10:48	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: 480-103633-1

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: 480-103633-1

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: 480-103633-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-103633-1	EFFLUENT 072516	Water	07/25/16 07:00	07/26/16 01:30

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

480-103633 Chain of Custody

480-103633 COC

Client Information	Sampler: MARTin Koennecke	Lab PM: Johnson, Orlette S	COC No: 480-78335-10586.1
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 #: 11600011		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

Analysis Req

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 072516	7-25-16	7:00	C	Water			1	1	2	
								RE		
								7-25-16		

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: Matt Koennecke	Date/Time: 7-25-16 / 9:20	Company: OBG	Received by:		Date/Time: 9:20	Company: 9-25-16	
Relinquished by: R English	Date/Time: 9-25-16, 19:00	Company: S&R	Received by:		Date/Time: 7-26-16 0030	Company: TAB	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	
Custody Seals Intact: △ Yes △ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			2.8 #1	

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8/4/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-103633-1

Login Number: 103633

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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: 480-104207-1
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:
8/12/2016 9:54:07 AM

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

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: 480-104207-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-104207-1

Receipt
The samples were received on 8/6/2016 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-315490 recovered outside acceptance criteria, low biased, for 1,1,2,2-Tetrachloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: BETWEEN CARBONS 080516 (480-104207-2), EFFLUENT 080516 (480-104207-3) and TRIP BLANK (480-104207-4) .

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

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

Detection Summary

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

TestAmerica Job ID: 480-104207-1

Client Sample ID: EFFLUENT 080516 — Lab Sample ID: 480-104207-1

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

Client Sample ID: BETWEEN CARBONS 080516 — Lab Sample ID: 480-104207-2

No Detections.

Client Sample ID: EFFLUENT 080516 — Lab Sample ID: 480-104207-3

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-104207-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 080516

Lab Sample ID: 480-104207-1

Date Collected: 08/05/16 07:20

Matrix: Water

Date Received: 08/06/16 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	647		10.0	4.0	mg/L			08/07/16 12:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/09/16 09:29	1

Client Sample ID: BETWEEN CARBONS 080516

Lab Sample ID: 480-104207-2

Date Collected: 08/05/16 07:20

Matrix: Water

Date Received: 08/06/16 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/11/16 12:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/11/16 12:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/11/16 12:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/11/16 12:26	1
Toluene	ND		1.0	0.51	ug/L			08/11/16 12:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/11/16 12:26	1
Trichloroethene	ND		1.0	0.46	ug/L			08/11/16 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*08/11/16 12:26*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*08/11/16 12:26*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*08/11/16 12:26*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*08/11/16 12:26*	*1*

Client Sample ID: EFFLUENT 080516

Lab Sample ID: 480-104207-3

Date Collected: 08/05/16 07:20

Matrix: Water

Date Received: 08/06/16 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/11/16 12:49	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/11/16 12:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/11/16 12:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/11/16 12:49	1
Toluene	ND		1.0	0.51	ug/L			08/11/16 12:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/11/16 12:49	1
Trichloroethene	ND		1.0	0.46	ug/L			08/11/16 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*08/11/16 12:49*	*1*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*		*08/11/16 12:49*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/11/16 12:49*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*08/11/16 12:49*	*1*

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

TestAmerica Job ID: 480-104207-1

Client Sample ID: TRIP BLANK
Date Collected: 08/05/16 00:00
Date Received: 08/06/16 01:00

Lab Sample ID: 480-104207-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/11/16 13:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/11/16 13:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/11/16 13:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/11/16 13:12	1
Toluene	ND		1.0	0.51	ug/L			08/11/16 13:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/11/16 13:12	1
Trichloroethene	ND		1.0	0.46	ug/L			08/11/16 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*08/11/16 13:12*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*08/11/16 13:12*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*08/11/16 13:12*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*08/11/16 13:12*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-104207-1

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	(77-120)	(73-120)	(80-120)	(75-123)
480-104207-2	BETWEEN CARBONS 080516	90	109	91	106
480-104207-3	EFFLUENT 080516	98	115	93	108
480-104207-4	TRIP BLANK	101	111	90	111
LCS 480-315490/4	Lab Control Sample	95	117	97	107
MB 480-315490/6	Method Blank	94	113	92	106

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 480-315490/6
Matrix: Water
Analysis Batch: 315490

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			08/11/16 10:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/11/16 10:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/11/16 10:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/11/16 10:28	1
Toluene	ND		1.0	0.51	ug/L			08/11/16 10:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/11/16 10:28	1
Trichloroethene	ND		1.0	0.46	ug/L			08/11/16 10:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*08/11/16 10:28*	*1*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*		*08/11/16 10:28*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/11/16 10:28*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*08/11/16 10:28*	*1*

Lab Sample ID: LCS 480-315490/4
Matrix: Water
Analysis Batch: 315490

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	26.0		ug/L		104	74 - 124
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	73 - 127
Trichloroethene	25.0	24.3		ug/L		97	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*117*		*73 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

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

Lab Sample ID: MB 480-315084/1
Matrix: Water
Analysis Batch: 315084

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			08/09/16 09:29	1

Lab Sample ID: LCS 480-315084/2
Matrix: Water
Analysis Batch: 315084

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	252	251.6		mg/L		100	88 - 110

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

Lab Sample ID: 480-104207-1 DU
Matrix: Water
Analysis Batch: 315084

Client Sample ID: EFFLUENT 080516
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 480-314822/1
Matrix: Water
Analysis Batch: 314822

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			08/07/16 12:09	1

Lab Sample ID: LCS 480-314822/2
Matrix: Water
Analysis Batch: 314822

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	505.0		mg/L		100	85 - 115		

QC Association Summary

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

TestAmerica Job ID: 480-104207-1

GC/MS VOA

Analysis Batch: 315490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104207-2	BETWEEN CARBONS 080516	Total/NA	Water	8260C	
480-104207-3	EFFLUENT 080516	Total/NA	Water	8260C	
480-104207-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-315490/6	Method Blank	Total/NA	Water	8260C	
LCS 480-315490/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 314822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104207-1	EFFLUENT 080516	Total/NA	Water	SM2540 C	
MB 480-314822/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-314822/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 315084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104207-1	EFFLUENT 080516	Total/NA	Water	SM 2540D	
MB 480-315084/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-315084/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-104207-1 DU	EFFLUENT 080516	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-104207-1

Client Sample ID: EFFLUENT 080516
Lab Sample ID: 480-104207-1
Date Collected: 08/05/16 07:20
Matrix: Water
Date Received: 08/06/16 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	315084	08/09/16 09:29	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	314822	08/07/16 12:09	EKB	TAL BUF

Client Sample ID: BETWEEN CARBONS 080516
Lab Sample ID: 480-104207-2
Date Collected: 08/05/16 07:20
Matrix: Water
Date Received: 08/06/16 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	315490	08/11/16 12:26	GVF	TAL BUF

Client Sample ID: EFFLUENT 080516
Lab Sample ID: 480-104207-3
Date Collected: 08/05/16 07:20
Matrix: Water
Date Received: 08/06/16 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	315490	08/11/16 12:49	GVF	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-104207-4
Date Collected: 08/05/16 00:00
Matrix: Water
Date Received: 08/06/16 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	315490	08/11/16 13:12	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: 480-104207-1

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: 480-104207-1

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: 480-104207-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-104207-1	EFFLUENT 080516	Water	08/05/16 07:20	08/06/16 01:00
480-104207-2	BETWEEN CARBONS 080516	Water	08/05/16 07:20	08/06/16 01:00
480-104207-3	EFFLUENT 080516	Water	08/05/16 07:20	08/06/16 01:00
480-104207-4	TRIP BLANK	Water	08/05/16 00:00	08/06/16 01:00

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

Chain of Custody Record

TestAmerica

480-104207 COC

Client Information	Sampler: MARTIN Koerwecke	Lab PM: Johnson, Orlette S	Carrier	COC No: 480-78323-10588.1
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		Analysis Requested		Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11600011			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
Effluent 080516	8-5-16	7:20	C	Water			1	1		2	
Between Carbons C80516	8-5-16	7:20	G	Water					3	3	
Effluent C80516	8-5-16	7:20	G	Water					3	3	

RK 8-5-16

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 Koerwecke	Date/Time: 8-5-16 / 9:40	Company: OBG	Received by: [signature] TAE	Date/Time: 8-5-16 9:40	Company: TA
Relinquished by: [signature]	Date/Time: 8-5-16, 1910	Company: Syr	Received by: [signature]	Date/Time: 8-6-16 0100	Company: TAB
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.3 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-104207-1

Login Number: 104207
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: 480-104239-1
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:
8/12/2016 4:51:40 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)

Case Narrative

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

TestAmerica Job ID: 480-104239-1

Job ID: 480-104239-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-104239-1

Receipt
The sample was received on 8/9/2016 1:05 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1º 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: 480-104239-1

Client Sample ID: EFFLUENT 080816 **Lab Sample ID: 480-104239-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	699		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: 480-104239-1

Client Sample ID: EFFLUENT 080816
Date Collected: 08/08/16 07:20
Date Received: 08/09/16 01:05

Lab Sample ID: 480-104239-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**699**		10.0	4.0	mg/L			08/09/16 17:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/09/16 09:29	1

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

Lab Sample ID: MB 480-315084/1
Matrix: Water
Analysis Batch: 315084

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			08/09/16 09:29	1

Lab Sample ID: LCS 480-315084/2
Matrix: Water
Analysis Batch: 315084

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			252	251.6		mg/L		100	88 - 110		

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-315192/1
Matrix: Water
Analysis Batch: 315192

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			08/09/16 17:24	1

Lab Sample ID: LCS 480-315192/2
Matrix: Water
Analysis Batch: 315192

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			548	547.0		mg/L		100	85 - 115		

Lab Sample ID: 480-104239-1 DU
Matrix: Water
Analysis Batch: 315192

Client Sample ID: EFFLUENT 080816
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	699			693.0		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: 480-104239-1

General Chemistry

Analysis Batch: 315084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104239-1	EFFLUENT 080816	Total/NA	Water	SM 2540D	
MB 480-315084/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-315084/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 315192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104239-1	EFFLUENT 080816	Total/NA	Water	SM2540 C	
MB 480-315192/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-315192/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-104239-1 DU	EFFLUENT 080816	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-104239-1

Client Sample ID: EFFLUENT 080816
Date Collected: 08/08/16 07:20
Date Received: 08/09/16 01:05

Lab Sample ID: 480-104239-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	315084	08/09/16 09:29	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	315192	08/09/16 17:24	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: 480-104239-1

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: 480-104239-1

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: 480-104239-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-104239-1	EFFLUENT 080816	Water	08/08/16 07:20	08/09/16 01:05

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

480-104239 COC

Client Information			
Client Contact: Mr. Yuri Veliz	Sampler: MARTIN Koenwecke	Lab PM: Johnson, Orlette S	Carrier:
	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com	
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 #: 11600011		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

COC No: 480-78335-10586.1
Page: Page 1 of 1
Job #:

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:	X	X	N	N	X	
Effluent 080816	8-8-16	7:20	C	Water			1	1	2	

RE 8-8-16

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:

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Martin Koenwecke	8-8-16 / 10:00	OBG	[signature]	8-8-16 10:00	8-8-16
R. Englert	8-8-16, 19:00	Syr	[signature]	8-9-16 0105	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.1 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-104239-1

Login Number: 104239
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.	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: 480-104597-1
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:
8/23/2016 3:16:08 PM

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

LINKS

Review your project results through TotalAccess

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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: 480-104597-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-104597-1

Receipt
The samples were received on 8/16/2016 1:30 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: 480-104597-1

Client Sample ID: EFFLUENT 081516 — Lab Sample ID: 480-104597-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	660		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-104597-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 081516

Lab Sample ID: 480-104597-1

Date Collected: 08/15/16 07:15
Matrix: Water
Date Received: 08/16/16 01:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**660**		10.0	4.0	mg/L			08/17/16 14:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/16/16 14:42	1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-104597-2

Date Collected: 08/15/16 07:15
Matrix: Water
Date Received: 08/16/16 01:30

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			08/19/16 13:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/16 13:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/16 13:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/16 13:09	1
Toluene	ND		1.0	0.51	ug/L			08/19/16 13:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/16 13:09	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/16 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*08/19/16 13:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*08/19/16 13:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*08/19/16 13:09*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*08/19/16 13:09*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-104597-1

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	(77-120)	(73-120)	(80-120)	(75-123)
480-104597-2	EFFLUENT	110	100	101	103
LCS 480-316805/4	Lab Control Sample	107	102	104	102
MB 480-316805/6	Method Blank	113	101	99	105

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 480-316805/6
Matrix: Water
Analysis Batch: 316805

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			08/19/16 10:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/19/16 10:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/19/16 10:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/19/16 10:46	1
Toluene	ND		1.0	0.51	ug/L			08/19/16 10:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/19/16 10:46	1
Trichloroethene	ND		1.0	0.46	ug/L			08/19/16 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*08/19/16 10:46*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*08/19/16 10:46*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/19/16 10:46*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*08/19/16 10:46*	*1*

Lab Sample ID: LCS 480-316805/4
Matrix: Water
Analysis Batch: 316805

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
Methylene Chloride	25.0	24.8		ug/L		99	75 - 124
Tetrachloroethene	25.0	28.0		ug/L		112	74 - 122
Toluene	25.0	25.0		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
Trichloroethene	25.0	25.4		ug/L		102	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

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

Lab Sample ID: MB 480-316247/1
Matrix: Water
Analysis Batch: 316247

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			08/16/16 14:42	1

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

Lab Sample ID: LCS 480-316247/2
Matrix: Water
Analysis Batch: 316247

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	236	234.4		mg/L		99	88 - 110

Lab Sample ID: 480-104597-1 DU
Matrix: Water
Analysis Batch: 316247

Client Sample ID: EFFLUENT 081516
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 480-316498/1
Matrix: Water
Analysis Batch: 316498

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			08/17/16 14:42	1

Lab Sample ID: LCS 480-316498/2
Matrix: Water
Analysis Batch: 316498

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	548	536.0		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: 480-104597-1

GC/MS VOA

Analysis Batch: 316805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104597-2	EFFLUENT	Total/NA	Water	8260C	
MB 480-316805/6	Method Blank	Total/NA	Water	8260C	
LCS 480-316805/4	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 316247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104597-1	EFFLUENT 081516	Total/NA	Water	SM 2540D	
MB 480-316247/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-316247/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-104597-1 DU	EFFLUENT 081516	Total/NA	Water	SM 2540D	

Analysis Batch: 316498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-104597-1	EFFLUENT 081516	Total/NA	Water	SM2540 C	
MB 480-316498/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-316498/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-104597-1

Client Sample ID: EFFLUENT 081516

Lab Sample ID: 480-104597-1

Date Collected: 08/15/16 07:15

Matrix: Water

Date Received: 08/16/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	316247	08/16/16 14:42	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	316498	08/17/16 14:42	EKB	TAL BUF

Client Sample ID: EFFLUENT

Lab Sample ID: 480-104597-2

Date Collected: 08/15/16 07:15

Matrix: Water

Date Received: 08/16/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	316805	08/19/16 13:09	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: 480-104597-1

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: 480-104597-1

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: 480-104597-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-104597-1	EFFLUENT 081516	Water	08/15/16 07:15	08/16/16 01:30
480-104597-2	EFFLUENT	Water	08/15/16 07:15	08/16/16 01:30

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

480-104597 COC

Client Information	Sampler: MARTIN Koernecke	Lab PM: Johnson, Orlette S	COC No: 480-78349-10587.1
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 #: 11600011		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	A		
Effluent 081516	8/15-16	715	C	Water			1	1		2	
Effluent	8-15-16	7:15	G	water					3	3	

RL
8-15-16

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: Martin Koernecke	Date/Time: 8-15-16 / 930	Company: OBG	Received by: [signature] Date/Time: 8-15-16	Company: C-3C
Relinquished by: RELINQUISHED	Date/Time: 8-15-16, 19:00	Company: SyR	Received by: [signature] Date/Time: 8-16-16 0730	Company: TAB
Relinquished by:	Date/Time:	Company:	Received by: Date/Time:	Company:

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

Cooler Temperature(s) °C and Other Remarks: 1.4

#1

Page 15 of 16
493325 - Syracuse
8/23/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-104597-1

Login Number: 104597
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	

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: 480-105066-1
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:
9/7/2016 4:05:33 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

Table of Contents

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

TestAmerica Job ID: 480-105066-1

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: 480-105066-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-105066-1

Receipt
The sample was received on 8/26/2016 2:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º 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: 480-105066-1

Client Sample ID: EFFLUENT 082516 — **Lab Sample ID: 480-105066-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	678	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-105066-1

Client Sample ID: EFFLUENT 082516
Date Collected: 08/25/16 06:30
Date Received: 08/26/16 02:00

Lab Sample ID: 480-105066-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**678**	**B**	10.0	4.0	mg/L			08/31/16 06:43	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/29/16 17:20	1

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

Lab Sample ID: MB 480-318177/1
Matrix: Water
Analysis Batch: 318177

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			08/29/16 17:20	1

Lab Sample ID: LCS 480-318177/2
Matrix: Water
Analysis Batch: 318177

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	225	222.0		mg/L		99	88 - 110

Lab Sample ID: 480-105066-1 DU
Matrix: Water
Analysis Batch: 318177

Client Sample ID: EFFLUENT 082516
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 480-318416/1
Matrix: Water
Analysis Batch: 318416

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	9.00	J	10.0	4.0	mg/L			08/31/16 06:43	1

Lab Sample ID: LCS 480-318416/2
Matrix: Water
Analysis Batch: 318416

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	526	540.0		mg/L		103	85 - 115

Lab Sample ID: 480-105066-1 DU
Matrix: Water
Analysis Batch: 318416

Client Sample ID: EFFLUENT 082516
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	678	B	667.0		mg/L		2	10

QC Association Summary

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

TestAmerica Job ID: 480-105066-1

General Chemistry

Analysis Batch: 318177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105066-1	EFFLUENT 082516	Total/NA	Water	SM 2540D	
MB 480-318177/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-318177/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-105066-1 DU	EFFLUENT 082516	Total/NA	Water	SM 2540D	

Analysis Batch: 318416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105066-1	EFFLUENT 082516	Total/NA	Water	SM2540 C	
MB 480-318416/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-318416/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-105066-1 DU	EFFLUENT 082516	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-105066-1

Client Sample ID: EFFLUENT 082516
Date Collected: 08/25/16 06:30
Date Received: 08/26/16 02:00

Lab Sample ID: 480-105066-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	318177	08/29/16 17:20	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	318416	08/31/16 06:43	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: 480-105066-1

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: 480-105066-1

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: 480-105066-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-105066-1	EFFLUENT 082516	Water	08/25/16 06:30	08/26/16 02:00

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: 480-78336-10586.1
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 #: 11600011			
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 - NaHSO
F - MeOH
G - Amchl
H - Ascort
I - Ice
J - DI Wat
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
hydrate
480-105066 COC)
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 082516	8-25-16	630	C	Water			1	1	2	

RL
8-25-16

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	8-25-16 / 945	OBG		8-25-16	945
2	Relinquished	8-25-16 / 18:50	TSR		8/26/16 0700	
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.4 #1

Page 13 of 14
9/7/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-105066-1

Login Number: 105066

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kolb, Chris M

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

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: 480-105228-1
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:
9/7/2016 4:57:53 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

Table of Contents

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

TestAmerica Job ID: 480-105228-1

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: 480-105228-1

Job ID: 480-105228-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-105228-1

Receipt
The sample was received on 8/31/2016 2:20 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º 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: 480-105228-1

Client Sample ID: EFFLUENT 083016 — **Lab Sample ID: 480-105228-1**

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

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-105228-1

Client Sample ID: EFFLUENT 083016
Date Collected: 08/30/16 07:00
Date Received: 08/31/16 02:20

Lab Sample ID: 480-105228-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**686**		10.0	4.0	mg/L			09/01/16 08:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/01/16 10:39	1

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

TestAmerica Job ID: 480-105228-1

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

Lab Sample ID: MB 480-318667/1
Matrix: Water
Analysis Batch: 318667

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/01/16 10:39	1

Lab Sample ID: LCS 480-318667/2
Matrix: Water
Analysis Batch: 318667

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	226	224.4		mg/L		99	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-318634/1
Matrix: Water
Analysis Batch: 318634

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/01/16 08:14	1

Lab Sample ID: LCS 480-318634/2
Matrix: Water
Analysis Batch: 318634

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	526	528.0		mg/L		100	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-105228-1

General Chemistry

Analysis Batch: 318634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105228-1	EFFLUENT 083016	Total/NA	Water	SM2540 C	
MB 480-318634/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-318634/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 318667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105228-1	EFFLUENT 083016	Total/NA	Water	SM 2540D	
MB 480-318667/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-318667/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-105228-1

Client Sample ID: EFFLUENT 083016
Date Collected: 08/30/16 07:00
Date Received: 08/31/16 02:20

Lab Sample ID: 480-105228-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	318667	09/01/16 10:39	KMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	318634	09/01/16 08:14	KMB	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: 480-105228-1

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: 480-105228-1

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: 480-105228-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-105228-1	EFFLUENT 083016	Water	08/30/16 07:00	08/31/16 02:20

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

480-105228 COC

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	COC No: 480-78334-10586.1
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 #: 11600011		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N				
Effluent 083016	8-30-16	7:00	C	Water			1	1	2	
			RS							
			8-30-16							

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: 8/30/16	Time:		Method of Shipment:	
Relinquished by: Martin Koennecke	Date/Time: 8-30-16 / 10:10	Company: 483325 - Syracuse SC	Received by: RE 8/30/16	Date/Time: 8-30-16, 10:10	Company: SYR
Relinquished by: RE 8/30/16	Date/Time: 8-30-16, 19:00	Company: 483325 - Syracuse SC	Received by:	Date/Time: 8-31-16 0900	Company: YAD
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.9 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-105228-1

Login Number: 105228

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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: 480-105562-1
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:
9/13/2016 1:38:49 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

Table of Contents

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

TestAmerica Job ID: 480-105562-1

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: 480-105562-1

Job ID: 480-105562-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-105562-1

Receipt
The samples were received on 9/8/2016 12:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8º C.

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

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

Detection Summary

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

TestAmerica Job ID: 480-105562-1

Client Sample ID: EFFLUENT 090716 — Lab Sample ID: 480-105562-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	658		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 090716 — Lab Sample ID: 480-105562-2

No Detections.

Client Sample ID: EFFLUENT 090716 — Lab Sample ID: 480-105562-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 090716

Lab Sample ID: 480-105562-1

Date Collected: 09/07/16 07:30

Matrix: Water

Date Received: 09/08/16 00:45

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	658		10.0	4.0	mg/L			09/08/16 20:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/09/16 13:03	1

Client Sample ID: BETWEEN CARBONS 090716

Lab Sample ID: 480-105562-2

Date Collected: 09/07/16 07:30

Matrix: Water

Date Received: 09/08/16 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/08/16 18:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/08/16 18:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/08/16 18:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/08/16 18:23	1
Toluene	ND		1.0	0.51	ug/L			09/08/16 18:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/08/16 18:23	1
Trichloroethene	ND		1.0	0.46	ug/L			09/08/16 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*09/08/16 18:23*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/08/16 18:23*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/08/16 18:23*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/08/16 18:23*	*1*

Client Sample ID: EFFLUENT 090716

Lab Sample ID: 480-105562-3

Date Collected: 09/07/16 07:30

Matrix: Water

Date Received: 09/08/16 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/08/16 18:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/08/16 18:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/08/16 18:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/08/16 18:47	1
Toluene	ND		1.0	0.51	ug/L			09/08/16 18:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/08/16 18:47	1
Trichloroethene	ND		1.0	0.46	ug/L			09/08/16 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*09/08/16 18:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/08/16 18:47*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/08/16 18:47*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*09/08/16 18:47*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-105562-1

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	(77-120)	(73-120)	(80-120)	(75-123)
480-105562-2	BETWEEN CARBONS 090716	116	97	97	107
480-105562-3	EFFLUENT 090716	113	99	97	107
LCS 480-319407/5	Lab Control Sample	98	100	98	101
MB 480-319407/7	Method Blank	106	100	97	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

TestAmerica Job ID: 480-105562-1

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

Lab Sample ID: MB 480-319407/7
Matrix: Water
Analysis Batch: 319407

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			09/08/16 12:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/08/16 12:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/08/16 12:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/08/16 12:04	1
Toluene	ND		1.0	0.51	ug/L			09/08/16 12:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/08/16 12:04	1
Trichloroethene	ND		1.0	0.46	ug/L			09/08/16 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*09/08/16 12:04*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*09/08/16 12:04*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*09/08/16 12:04*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/08/16 12:04*	*1*

Lab Sample ID: LCS 480-319407/5
Matrix: Water
Analysis Batch: 319407

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
Methylene Chloride	25.0	23.9		ug/L		96	75 - 124
Tetrachloroethene	25.0	23.6		ug/L		95	74 - 122
Toluene	25.0	22.3		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	22.5		ug/L		90	73 - 127
Trichloroethene	25.0	22.7		ug/L		91	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

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

Lab Sample ID: MB 480-319641/1
Matrix: Water
Analysis Batch: 319641

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/09/16 13:03	1

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

Lab Sample ID: LCS 480-319641/2
Matrix: Water
Analysis Batch: 319641

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			210	206.8		mg/L		99	88 - 110		

Lab Sample ID: 480-105562-1 DU
Matrix: Water
Analysis Batch: 319641

Client Sample ID: EFFLUENT 090716
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 480-319518/1
Matrix: Water
Analysis Batch: 319518

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/08/16 20:24	1

Lab Sample ID: LCS 480-319518/2
Matrix: Water
Analysis Batch: 319518

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	509.0		mg/L		102	85 - 115		

GC/MS VOA

Analysis Batch: 319407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105562-2	BETWEEN CARBONS 090716	Total/NA	Water	8260C	
480-105562-3	EFFLUENT 090716	Total/NA	Water	8260C	
MB 480-319407/7	Method Blank	Total/NA	Water	8260C	
LCS 480-319407/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 319518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105562-1	EFFLUENT 090716	Total/NA	Water	SM2540 C	
MB 480-319518/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-319518/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Analysis Batch: 319641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105562-1	EFFLUENT 090716	Total/NA	Water	SM 2540D	
MB 480-319641/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-319641/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-105562-1 DU	EFFLUENT 090716	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 480-105562-1

Client Sample ID: EFFLUENT 090716

Lab Sample ID: 480-105562-1

Date Collected: 09/07/16 07:30

Matrix: Water

Date Received: 09/08/16 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	319641	09/09/16 13:03	KMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	319518	09/08/16 20:24	CDC	TAL BUF

Client Sample ID: BETWEEN CARBONS 090716

Lab Sample ID: 480-105562-2

Date Collected: 09/07/16 07:30

Matrix: Water

Date Received: 09/08/16 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	319407	09/08/16 18:23	RRS	TAL BUF

Client Sample ID: EFFLUENT 090716

Lab Sample ID: 480-105562-3

Date Collected: 09/07/16 07:30

Matrix: Water

Date Received: 09/08/16 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	319407	09/08/16 18:47	RRS	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: 480-105562-1

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: 480-105562-1

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: 480-105562-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-105562-1	EFFLUENT 090716	Water	09/07/16 07:30	09/08/16 00:45
480-105562-2	BETWEEN CARBONS 090716	Water	09/07/16 07:30	09/08/16 00:45
480-105562-3	EFFLUENT 090716	Water	09/07/16 07:30	09/08/16 00:45

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

480-105562 COC

Client Information	Sampler: MARTIN Koenecke	Lab PM: Johnson, Orlette S	COC No: 480-78324-10588.1
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 #: 11600011	
Email: Yuri.Veliz@obg.com	WO #:	
Project Name: Former Accurate Die Cast	Project #: 48008584	
Site:	SSOW#:	

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
Effluent 090716	9-7-16	7:30	C	Water			1	1		2	
Between Carbons 090716	9-7-16	7:30	G	Water					3	3	
Effluent 090716	9-7-16	7:30	G	Water					3	3	

RLS

9-7-16

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: Martin Koenecke	Date/Time: 9-7-16 / 11:15	Company OBG	Received by: RLS 9/7/16	Date/Time: 9-7-16, 11:15	Company JGA
Relinquished by: RLS 9/7/16	Date/Time: 9-7-16, 19:00	Company JGA	Received by:	Date/Time: 9-8-16 0045	Company TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8 #1

Page 1 of 1
483325 - Syracuse
9/13/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-105562-1

Login Number: 105562

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

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: 480-105795-1
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:
9/20/2016 2:40:28 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

Table of Contents

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

TestAmerica Job ID: 480-105795-1

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: 480-105795-1

Job ID: 480-105795-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-105795-1

Receipt
The sample was received on 9/13/2016 1:30 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3º 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: 480-105795-1

Client Sample ID: EFFLUENT 091216

Lab Sample ID: 480-105795-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	677		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-105795-1

Client Sample ID: EFFLUENT 091216
Date Collected: 09/12/16 08:00
Date Received: 09/13/16 01:30

Lab Sample ID: 480-105795-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**677**		10.0	4.0	mg/L			09/17/16 13:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/13/16 11:58	1

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

Lab Sample ID: MB 480-320061/1
Matrix: Water
Analysis Batch: 320061

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/13/16 11:58	1

Lab Sample ID: LCS 480-320061/2
Matrix: Water
Analysis Batch: 320061

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	243.2		mg/L		99	88 - 110

Lab Sample ID: 480-105795-1 DU
Matrix: Water
Analysis Batch: 320061

Client Sample ID: EFFLUENT 091216
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 480-320870/1
Matrix: Water
Analysis Batch: 320870

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/17/16 13:48	1

Lab Sample ID: LCS 480-320870/2
Matrix: Water
Analysis Batch: 320870

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	469.0		mg/L		94	85 - 115

Lab Sample ID: 480-105795-1 DU
Matrix: Water
Analysis Batch: 320870

Client Sample ID: EFFLUENT 091216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	677		688.0		mg/L		2	10

QC Association Summary

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

TestAmerica Job ID: 480-105795-1

General Chemistry

Analysis Batch: 320061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105795-1	EFFLUENT 091216	Total/NA	Water	SM 2540D	
MB 480-320061/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-320061/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-105795-1 DU	EFFLUENT 091216	Total/NA	Water	SM 2540D	

Analysis Batch: 320870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-105795-1	EFFLUENT 091216	Total/NA	Water	SM2540 C	
MB 480-320870/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-320870/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-105795-1 DU	EFFLUENT 091216	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-105795-1

Client Sample ID: EFFLUENT 091216
Date Collected: 09/12/16 08:00
Date Received: 09/13/16 01:30

Lab Sample ID: 480-105795-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	320061	09/13/16 11:58	KMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	320870	09/17/16 13:48	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: 480-105795-1

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: 480-105795-1

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: 480-105795-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-105795-1	EFFLUENT 091216	Water	09/12/16 08:00	09/13/16 01:30

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

480-105795 COC

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	COC No: 480-78335-10586.1
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 Reque**	Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date 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)
City: East Syracuse	TAT Requested (days):		
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11600011		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 091216	9-12-16	8:00	C	Water			1	1	2	

RE
9-12-16

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 Koennecke	Date/Time: 9-12-16 / 10:25	Company: OBG	Received by:	Date/Time: 9-12-16 10:25	Company
Relinquished by: RELINQUISHED	Date/Time: 9-12-16, 18:05	Company: SYR	Received by:	Date/Time: 9-13-16 0130	Company: TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-105795-1

Login Number: 105795

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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: 480-106400-1
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:
9/28/2016 12:46:38 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

Table of Contents

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

TestAmerica Job ID: 480-106400-1

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: 480-106400-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-106400-1

Receipt
The samples were received on 9/23/2016 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3º 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: 480-106400-1

Client Sample ID: EFFLUENT 092216 — Lab Sample ID: 480-106400-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	697	B	10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 092216 — Lab Sample ID: 480-106400-2

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-106400-1

Client Sample ID: EFFLUENT 092216

Lab Sample ID: 480-106400-1

Date Collected: 09/22/16 07:15

Matrix: Water

Date Received: 09/23/16 01:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	697	B	10.0	4.0	mg/L			09/23/16 11:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/23/16 10:19	1

Client Sample ID: EFFLUENT 092216

Lab Sample ID: 480-106400-2

Date Collected: 09/22/16 07:15

Matrix: Water

Date Received: 09/23/16 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/27/16 16:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/27/16 16:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/27/16 16:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/27/16 16:30	1
Toluene	ND		1.0	0.51	ug/L			09/27/16 16:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/27/16 16:30	1
Trichloroethene	ND		1.0	0.46	ug/L			09/27/16 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/27/16 16:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/27/16 16:30*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*09/27/16 16:30*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*09/27/16 16:30*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-106400-1

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	(77-120)	(73-120)	(80-120)	(75-123)
480-106400-2	EFFLUENT 092216	97	95	95	96
LCS 480-322549/5	Lab Control Sample	105	94	97	99
MB 480-322549/7	Method Blank	97	92	96	99

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 480-322549/7
Matrix: Water
Analysis Batch: 322549

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			09/27/16 10:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/27/16 10:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/27/16 10:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/27/16 10:43	1
Toluene	ND		1.0	0.51	ug/L			09/27/16 10:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/27/16 10:43	1
Trichloroethene	ND		1.0	0.46	ug/L			09/27/16 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*09/27/16 10:43*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*09/27/16 10:43*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*09/27/16 10:43*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*09/27/16 10:43*	*1*

Lab Sample ID: LCS 480-322549/5
Matrix: Water
Analysis Batch: 322549

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
Trichloroethene	25.0	22.8		ug/L		91	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

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

Lab Sample ID: MB 480-321986/1
Matrix: Water
Analysis Batch: 321986

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/23/16 10:19	1

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

Lab Sample ID: LCS 480-321986/2
Matrix: Water
Analysis Batch: 321986

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	206	205.6		mg/L		100	88 - 110

Lab Sample ID: 480-106400-1 DU
Matrix: Water
Analysis Batch: 321986

Client Sample ID: EFFLUENT 092216
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 480-322029/1
Matrix: Water
Analysis Batch: 322029

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			09/23/16 11:34	1

Lab Sample ID: LCS 480-322029/2
Matrix: Water
Analysis Batch: 322029

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	505	501.0		mg/L		99	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-106400-1

GC/MS VOA

Analysis Batch: 322549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106400-2	EFFLUENT 092216	Total/NA	Water	8260C	
MB 480-322549/7	Method Blank	Total/NA	Water	8260C	
LCS 480-322549/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 321986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106400-1	EFFLUENT 092216	Total/NA	Water	SM 2540D	
MB 480-321986/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-321986/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-106400-1 DU	EFFLUENT 092216	Total/NA	Water	SM 2540D	

Analysis Batch: 322029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106400-1	EFFLUENT 092216	Total/NA	Water	SM2540 C	
MB 480-322029/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-322029/2	Lab Control Sample	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-106400-1

Client Sample ID: EFFLUENT 092216 — **Lab Sample ID: 480-106400-1**
Date Collected: 09/22/16 07:15 — **Matrix: Water**
Date Received: 09/23/16 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	321986	09/23/16 10:19	KMB	TAL BUF
Total/NA	Analysis	SM2540 C		1	322029	09/23/16 11:34	CDC	TAL BUF

Client Sample ID: EFFLUENT 092216 — **Lab Sample ID: 480-106400-2**
Date Collected: 09/22/16 07:15 — **Matrix: Water**
Date Received: 09/23/16 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	322549	09/27/16 16:30	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: 480-106400-1

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: 480-106400-1

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: 480-106400-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-106400-1	EFFLUENT 092216	Water	09/22/16 07:15	09/23/16 01:00
480-106400-2	EFFLUENT 092216	Water	09/22/16 07:15	09/23/16 01:00

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

Chain of Custody Record

480-106400 COC

TestAmerica
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Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S		COC No: 480-78348-10587.1
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:	Analysis Requested		
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11600011			
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 - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
Effluent 092216	9-22-16	7:15	C	Water			1	1		2	
Effluent 092216	9-22-16	7:15	G	water					3	3	
			RE								
			9-22-16								

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	9-22-16 / 12:15	OBG	Received by: REEglish	9-22-16, 13:15	Shipper
Relinquished by: REEglish	9-22-16, 19:00	Shipper	Received by:	9-23-16 0100	DHL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 1.3 #1

9/8/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-106400-1

Login Number: 106400

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

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: 480-106601-1
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:
9/30/2016 10:40:42 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

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

Table of Contents

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

TestAmerica Job ID: 480-106601-1

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: 480-106601-1

Job ID: 480-106601-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-106601-1

Receipt
The sample was received on 9/28/2016 1:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.0º 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: 480-106601-1

Client Sample ID: EFFLUENT 092716 — **Lab Sample ID: 480-106601-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	681		10.0	4.0	mg/L	1		SM2540 C	Total/NA

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-106601-1

Client Sample ID: EFFLUENT 092716
Date Collected: 09/27/16 07:00
Date Received: 09/28/16 01:45

Lab Sample ID: 480-106601-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**681**		10.0	4.0	mg/L			09/28/16 13:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/28/16 09:49	1

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

Lab Sample ID: MB 480-322807/1
Matrix: Water
Analysis Batch: 322807

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			09/28/16 09:49	1

Lab Sample ID: LCS 480-322807/2
Matrix: Water
Analysis Batch: 322807

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	248	245.6		mg/L		99	88 - 110

Lab Sample ID: 480-106601-1 DU
Matrix: Water
Analysis Batch: 322807

Client Sample ID: EFFLUENT 092716
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 480-322856/1
Matrix: Water
Analysis Batch: 322856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			09/28/16 13:09	1

Lab Sample ID: LCS 480-322856/2
Matrix: Water
Analysis Batch: 322856

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	505	485.0		mg/L		96	85 - 115

Lab Sample ID: 480-106601-1 DU
Matrix: Water
Analysis Batch: 322856

Client Sample ID: EFFLUENT 092716
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	681		671.0		mg/L		1	10

QC Association Summary

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

TestAmerica Job ID: 480-106601-1

General Chemistry

Analysis Batch: 322807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106601-1	EFFLUENT 092716	Total/NA	Water	SM 2540D	
MB 480-322807/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 480-322807/2	Lab Control Sample	Total/NA	Water	SM 2540D	
480-106601-1 DU	EFFLUENT 092716	Total/NA	Water	SM 2540D	

Analysis Batch: 322856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106601-1	EFFLUENT 092716	Total/NA	Water	SM2540 C	
MB 480-322856/1	Method Blank	Total/NA	Water	SM2540 C	
LCS 480-322856/2	Lab Control Sample	Total/NA	Water	SM2540 C	
480-106601-1 DU	EFFLUENT 092716	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-106601-1

Client Sample ID: EFFLUENT 092716
Date Collected: 09/27/16 07:00
Date Received: 09/28/16 01:45

Lab Sample ID: 480-106601-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	322807	09/28/16 09:49	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	322856	09/28/16 13:09	KMB	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: 480-106601-1

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: 480-106601-1

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: 480-106601-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-106601-1	EFFLUENT 092716	Water	09/27/16 07:00	09/28/16 01:45

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 Kozaneckl	Lab PM: Johnson, Orlette S	Carrier Tracking	COC No: 480-78336-10586.1
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	480-106601 COC	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 #: 11600011
Email: Yuri.Veliz@obg.com	WO #:
Project Name: Former Accurate Die Cast	Project #: 48008584
Site:	SSOW#:

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	N	X	
Effluent 092716	9-27-16	17:00	C	Water			1	1	2	

RB 9-27-16

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
Martin Kozanecki	9-27-16 / 1230	OBG	[illegible]	9-27-16, 15:30	SyR
R[illegible]	9-27-16, 19:05	SyR	[illegible] Will	9-28-16 0145	TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.0 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-106601-1

Login Number: 106601

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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: 480-106992-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
10/10/2016 11:42:51 PM

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

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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: 480-106992-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control 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: 480-106992-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-106992-1

Receipt
The samples were received on 10/5/2016 1:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.2º 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 100416 (480-106992-4), MW-10 100416 (480-106992-5), MW-14 100416 (480-106992-6), MW-13 100416 (480-106992-7), MW-17 100416 (480-106992-13), MW-24 100416 (480-106992-15), (480-106992-B-4 MS), (480-106992-B-4 MSD) and MW-18 100416 (480-106992-17). Elevated reporting limits (RLs) are provided.

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

Detection Summary

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

TestAmerica Job ID: 480-106992-1

Client Sample ID: MW-5 100416 — Lab Sample ID: 480-106992-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2.0		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	40		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6 100416 — Lab Sample ID: 480-106992-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	57		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: PZ-1 100416 — Lab Sample ID: 480-106992-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	41		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-11 100416 — Lab Sample ID: 480-106992-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	540	F1	10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-10 100416 — Lab Sample ID: 480-106992-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	100		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-14 100416 — Lab Sample ID: 480-106992-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	280		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: MW-13 100416 — Lab Sample ID: 480-106992-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	240		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: MW-16 100416 — Lab Sample ID: 480-106992-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.6		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-15 100416 — Lab Sample ID: 480-106992-9

No Detections.

Client Sample ID: MW-12 100416 — Lab Sample ID: 480-106992-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	13		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-9 100416 — Lab Sample ID: 480-106992-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	33		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

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

TestAmerica Job ID: 480-106992-1

Client Sample ID: PZ-2 100416 — Lab Sample ID: 480-106992-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.48	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	71		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-17 100416 — Lab Sample ID: 480-106992-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	18		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	5.2		5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	190		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-21 100416 — Lab Sample ID: 480-106992-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	48		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	19		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-24 100416 — Lab Sample ID: 480-106992-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	65		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	420		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-22 100416 — Lab Sample ID: 480-106992-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	30		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	2.5		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	8.4		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-18 100416 — Lab Sample ID: 480-106992-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	500		20	16	ug/L	20		8260C	Total/NA
Trichloroethene	1300		20	9.2	ug/L	20		8260C	Total/NA

Client Sample ID: QC TRIP BLANK — Lab Sample ID: 480-106992-18

No Detections.

This Detection Summary does not include radiochemical test results.

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

TestAmerica Job ID: 480-106992-1

Client Sample ID: MW-5 100416
Date Collected: 10/04/16 07:50
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 00:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 00:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 00:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 00:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 00:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 00:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 00:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 00:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 00:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 00:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 00:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 00:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 00:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 00:17	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 00:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 00:17	1
Acetone	ND		10	3.0	ug/L			10/06/16 00:17	1
Benzene	ND		1.0	0.41	ug/L			10/06/16 00:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 00:17	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 00:17	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 00:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 00:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 00:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 00:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 00:17	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 00:17	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 00:17	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 00:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/16 00:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 00:17	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 00:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 00:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 00:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 00:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 00:17	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 00:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 00:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 00:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 00:17	1
Styrene	ND		1.0	0.73	ug/L			10/06/16 00:17	1
Tetrachloroethene	**2.0**		1.0	0.36	ug/L			10/06/16 00:17	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 00:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 00:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 00:17	1
Trichloroethene	**40**		1.0	0.46	ug/L			10/06/16 00:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 00:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 00:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 00:17	1

Client Sample ID: MW-5 100416

Lab Sample ID: 480-106992-1

Date Collected: 10/04/16 07:50

Matrix: Water

Date Received: 10/05/16 01:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/06/16 00:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*10/06/16 00:17*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/06/16 00:17*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/06/16 00:17*	*1*

Client Sample ID: MW-6 100416

Lab Sample ID: 480-106992-2

Date Collected: 10/04/16 08:10

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 00:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 00:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 00:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 00:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 00:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 00:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 00:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 00:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 00:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 00:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 00:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 00:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 00:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 00:44	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 00:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 00:44	1
Acetone	ND		10	3.0	ug/L			10/06/16 00:44	1
Benzene	ND		1.0	0.41	ug/L			10/06/16 00:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 00:44	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 00:44	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 00:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 00:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 00:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 00:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 00:44	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 00:44	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 00:44	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 00:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/16 00:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 00:44	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 00:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 00:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 00:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 00:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 00:44	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 00:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 00:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 00:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 00:44	1

Client Sample ID: MW-6 100416

Date Collected: 10/04/16 08:10
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/06/16 00:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/16 00:44	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 00:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 00:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 00:44	1
Trichloroethene	**57**		1.0	0.46	ug/L			10/06/16 00:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 00:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 00:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/06/16 00:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/06/16 00:44*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/06/16 00:44*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/06/16 00:44*	*1*

Client Sample ID: PZ-1 100416

Date Collected: 10/04/16 08:25
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-3
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		1.0	0.82	ug/L			10/06/16 01:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 01:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 01:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 01:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 01:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 01:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 01:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 01:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 01:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 01:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 01:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 01:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 01:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 01:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 01:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 01:11	1
Acetone	ND		10	3.0	ug/L			10/06/16 01:11	1
Benzene	ND		1.0	0.41	ug/L			10/06/16 01:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 01:11	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 01:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 01:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 01:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 01:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 01:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 01:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 01:11	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 01:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 01:11	1

Client Sample ID: PZ-1 100416

Date Collected: 10/04/16 08:25
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/16 01:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 01:11	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 01:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 01:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 01:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 01:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 01:11	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 01:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 01:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 01:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 01:11	1
Styrene	ND		1.0	0.73	ug/L			10/06/16 01:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/16 01:11	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 01:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 01:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 01:11	1
Trichloroethene	**41**		1.0	0.46	ug/L			10/06/16 01:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 01:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 01:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*10/06/16 01:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/06/16 01:11*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/06/16 01:11*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/06/16 01:11*	*1*

Client Sample ID: MW-11 100416

Date Collected: 10/04/16 08:55
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-4
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			10/06/16 01:38	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/06/16 01:38	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/06/16 01:38	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			10/06/16 01:38	10
1,1-Dichloroethane	ND		10	3.8	ug/L			10/06/16 01:38	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/06/16 01:38	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			10/06/16 01:38	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			10/06/16 01:38	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			10/06/16 01:38	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/06/16 01:38	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/06/16 01:38	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			10/06/16 01:38	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			10/06/16 01:38	10
2-Butanone (MEK)	ND		100	13	ug/L			10/06/16 01:38	10
2-Hexanone	ND		50	12	ug/L			10/06/16 01:38	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/06/16 01:38	10
Acetone	ND		100	30	ug/L			10/06/16 01:38	10

Client Sample ID: MW-11 100416

Date Collected: 10/04/16 08:55
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	4.1	ug/L			10/06/16 01:38	10
Bromodichloromethane	ND		10	3.9	ug/L			10/06/16 01:38	10
Bromoform	ND		10	2.6	ug/L			10/06/16 01:38	10
Bromomethane	ND	F1 F2	10	6.9	ug/L			10/06/16 01:38	10
Carbon disulfide	ND	F2	10	1.9	ug/L			10/06/16 01:38	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/06/16 01:38	10
Chlorobenzene	ND		10	7.5	ug/L			10/06/16 01:38	10
Dibromochloromethane	ND		10	3.2	ug/L			10/06/16 01:38	10
Chloroethane	ND		10	3.2	ug/L			10/06/16 01:38	10
Chloroform	ND		10	3.4	ug/L			10/06/16 01:38	10
Chloromethane	ND		10	3.5	ug/L			10/06/16 01:38	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			10/06/16 01:38	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/06/16 01:38	10
Cyclohexane	ND		10	1.8	ug/L			10/06/16 01:38	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			10/06/16 01:38	10
Ethylbenzene	ND		10	7.4	ug/L			10/06/16 01:38	10
1,2-Dibromoethane	ND		10	7.3	ug/L			10/06/16 01:38	10
Isopropylbenzene	ND		10	7.9	ug/L			10/06/16 01:38	10
Methyl acetate	ND		25	13	ug/L			10/06/16 01:38	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			10/06/16 01:38	10
Methylcyclohexane	ND		10	1.6	ug/L			10/06/16 01:38	10
Methylene Chloride	ND		10	4.4	ug/L			10/06/16 01:38	10
Styrene	ND		10	7.3	ug/L			10/06/16 01:38	10
Tetrachloroethene	ND		10	3.6	ug/L			10/06/16 01:38	10
Toluene	ND		10	5.1	ug/L			10/06/16 01:38	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/06/16 01:38	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/06/16 01:38	10
Trichloroethene	**540**	**F1**	10	4.6	ug/L			10/06/16 01:38	10
Trichlorofluoromethane	ND		10	8.8	ug/L			10/06/16 01:38	10
Vinyl chloride	ND		10	9.0	ug/L			10/06/16 01:38	10
Xylenes, Total	ND		20	6.6	ug/L			10/06/16 01:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*10/06/16 01:38*	*10*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*10/06/16 01:38*	*10*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/06/16 01:38*	*10*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*10/06/16 01:38*	*10*

Client Sample ID: MW-10 100416

Date Collected: 10/04/16 09:15
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-5

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		5.0	4.1	ug/L			10/06/16 02:05	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/06/16 02:05	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/06/16 02:05	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/06/16 02:05	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/06/16 02:05	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/06/16 02:05	5

Client Sample ID: MW-10 100416
Date Collected: 10/04/16 09:15
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/06/16 02:05	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/06/16 02:05	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/06/16 02:05	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/06/16 02:05	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/06/16 02:05	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/06/16 02:05	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/06/16 02:05	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/06/16 02:05	5
2-Hexanone	ND		25	6.2	ug/L			10/06/16 02:05	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/06/16 02:05	5
Acetone	ND		50	15	ug/L			10/06/16 02:05	5
Benzene	ND		5.0	2.1	ug/L			10/06/16 02:05	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/06/16 02:05	5
Bromoform	ND		5.0	1.3	ug/L			10/06/16 02:05	5
Bromomethane	ND		5.0	3.5	ug/L			10/06/16 02:05	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/06/16 02:05	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/06/16 02:05	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/06/16 02:05	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/06/16 02:05	5
Chloroethane	ND		5.0	1.6	ug/L			10/06/16 02:05	5
Chloroform	ND		5.0	1.7	ug/L			10/06/16 02:05	5
Chloromethane	ND		5.0	1.8	ug/L			10/06/16 02:05	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			10/06/16 02:05	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/06/16 02:05	5
Cyclohexane	ND		5.0	0.90	ug/L			10/06/16 02:05	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/06/16 02:05	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/06/16 02:05	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/06/16 02:05	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/06/16 02:05	5
Methyl acetate	ND		13	6.5	ug/L			10/06/16 02:05	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/06/16 02:05	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/06/16 02:05	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/06/16 02:05	5
Styrene	ND		5.0	3.7	ug/L			10/06/16 02:05	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/06/16 02:05	5
Toluene	ND		5.0	2.6	ug/L			10/06/16 02:05	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/06/16 02:05	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/06/16 02:05	5
Trichloroethene	**100**		5.0	2.3	ug/L			10/06/16 02:05	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/06/16 02:05	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/06/16 02:05	5
Xylenes, Total	ND		10	3.3	ug/L			10/06/16 02:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*80 - 120*		*10/06/16 02:05*	*5*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*10/06/16 02:05*	*5*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/06/16 02:05*	*5*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/06/16 02:05*	*5*

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

TestAmerica Job ID: 480-106992-1

Client Sample ID: MW-14 100416
Date Collected: 10/04/16 09:35
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/06/16 02:32	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/06/16 02:32	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/06/16 02:32	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/06/16 02:32	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/06/16 02:32	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/06/16 02:32	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			10/06/16 02:32	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/06/16 02:32	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/06/16 02:32	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/06/16 02:32	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/06/16 02:32	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/06/16 02:32	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/06/16 02:32	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/06/16 02:32	4
2-Hexanone	ND		20	5.0	ug/L			10/06/16 02:32	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/06/16 02:32	4
Acetone	ND		40	12	ug/L			10/06/16 02:32	4
Benzene	ND		4.0	1.6	ug/L			10/06/16 02:32	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/06/16 02:32	4
Bromoform	ND		4.0	1.0	ug/L			10/06/16 02:32	4
Bromomethane	ND		4.0	2.8	ug/L			10/06/16 02:32	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/06/16 02:32	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/06/16 02:32	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/06/16 02:32	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/06/16 02:32	4
Chloroethane	ND		4.0	1.3	ug/L			10/06/16 02:32	4
Chloroform	ND		4.0	1.4	ug/L			10/06/16 02:32	4
Chloromethane	ND		4.0	1.4	ug/L			10/06/16 02:32	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			10/06/16 02:32	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/06/16 02:32	4
Cyclohexane	ND		4.0	0.72	ug/L			10/06/16 02:32	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/06/16 02:32	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/06/16 02:32	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/06/16 02:32	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/06/16 02:32	4
Methyl acetate	ND		10	5.2	ug/L			10/06/16 02:32	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/06/16 02:32	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/06/16 02:32	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/06/16 02:32	4
Styrene	ND		4.0	2.9	ug/L			10/06/16 02:32	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/06/16 02:32	4
Toluene	ND		4.0	2.0	ug/L			10/06/16 02:32	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/06/16 02:32	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/06/16 02:32	4
Trichloroethene	**280**		4.0	1.8	ug/L			10/06/16 02:32	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/06/16 02:32	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/06/16 02:32	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/06/16 02:32	4

Client Sample ID: MW-14 100416

Lab Sample ID: 480-106992-6

Date Collected: 10/04/16 09:35
Matrix: Water
Date Received: 10/05/16 01:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		10/06/16 02:32	4
1,2-Dichloroethane-d4 (Surr)	87		77 - 120		10/06/16 02:32	4
4-Bromofluorobenzene (Surr)	104		73 - 120		10/06/16 02:32	4
Dibromofluoromethane (Surr)	95		75 - 123		10/06/16 02:32	4

Client Sample ID: MW-13 100416

Lab Sample ID: 480-106992-7

Date Collected: 10/04/16 09:55
Matrix: Water
Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			10/06/16 02:59	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/06/16 02:59	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/06/16 02:59	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/06/16 02:59	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/06/16 02:59	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/06/16 02:59	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			10/06/16 02:59	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/06/16 02:59	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/06/16 02:59	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/06/16 02:59	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/06/16 02:59	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/06/16 02:59	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/06/16 02:59	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/06/16 02:59	4
2-Hexanone	ND		20	5.0	ug/L			10/06/16 02:59	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/06/16 02:59	4
Acetone	ND		40	12	ug/L			10/06/16 02:59	4
Benzene	ND		4.0	1.6	ug/L			10/06/16 02:59	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/06/16 02:59	4
Bromoform	ND		4.0	1.0	ug/L			10/06/16 02:59	4
Bromomethane	ND		4.0	2.8	ug/L			10/06/16 02:59	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/06/16 02:59	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/06/16 02:59	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/06/16 02:59	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/06/16 02:59	4
Chloroethane	ND		4.0	1.3	ug/L			10/06/16 02:59	4
Chloroform	ND		4.0	1.4	ug/L			10/06/16 02:59	4
Chloromethane	ND		4.0	1.4	ug/L			10/06/16 02:59	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			10/06/16 02:59	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/06/16 02:59	4
Cyclohexane	ND		4.0	0.72	ug/L			10/06/16 02:59	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/06/16 02:59	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/06/16 02:59	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/06/16 02:59	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/06/16 02:59	4
Methyl acetate	ND		10	5.2	ug/L			10/06/16 02:59	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/06/16 02:59	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/06/16 02:59	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/06/16 02:59	4

Client Sample ID: MW-13 100416

Lab Sample ID: 480-106992-7

Date Collected: 10/04/16 09:55

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		4.0	2.9	ug/L			10/06/16 02:59	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/06/16 02:59	4
Toluene	ND		4.0	2.0	ug/L			10/06/16 02:59	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/06/16 02:59	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/06/16 02:59	4
Trichloroethene	**240**		4.0	1.8	ug/L			10/06/16 02:59	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/06/16 02:59	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/06/16 02:59	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/06/16 02:59	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*10/06/16 02:59*	*4*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*10/06/16 02:59*	*4*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/06/16 02:59*	*4*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/06/16 02:59*	*4*

Client Sample ID: MW-16 100416

Lab Sample ID: 480-106992-8

Date Collected: 10/04/16 10:15

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 03:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 03:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 03:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 03:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 03:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 03:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 03:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 03:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 03:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 03:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 03:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 03:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 03:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 03:27	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 03:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 03:27	1
Acetone	ND		10	3.0	ug/L			10/06/16 03:27	1
Benzene	ND		1.0	0.41	ug/L			10/06/16 03:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 03:27	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 03:27	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 03:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 03:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 03:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 03:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 03:27	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 03:27	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 03:27	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 03:27	1

Client Sample ID: MW-16 100416

Date Collected: 10/04/16 10:15
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/16 03:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 03:27	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 03:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 03:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 03:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 03:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 03:27	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 03:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 03:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 03:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 03:27	1
Styrene	ND		1.0	0.73	ug/L			10/06/16 03:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/16 03:27	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 03:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 03:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 03:27	1
Trichloroethene	**1.6**		1.0	0.46	ug/L			10/06/16 03:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 03:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 03:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/06/16 03:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*10/06/16 03:27*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/06/16 03:27*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/06/16 03:27*	*1*

Client Sample ID: MW-15 100416

Date Collected: 10/04/16 10:50
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 03:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 03:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 03:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 03:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 03:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 03:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 03:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 03:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 03:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 03:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 03:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 03:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 03:54	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 03:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 03:54	1
Acetone	ND		10	3.0	ug/L			10/06/16 03:54	1

Client Sample ID: MW-15 100416

Lab Sample ID: 480-106992-9

Date Collected: 10/04/16 10:50

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/06/16 03:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 03:54	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 03:54	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 03:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 03:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 03:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 03:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 03:54	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 03:54	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 03:54	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 03:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/16 03:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 03:54	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 03:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 03:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 03:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 03:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 03:54	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 03:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 03:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 03:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 03:54	1
Styrene	ND		1.0	0.73	ug/L			10/06/16 03:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/16 03:54	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 03:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 03:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 03:54	1
Trichloroethene	ND		1.0	0.46	ug/L			10/06/16 03:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 03:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 03:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*80 - 120*		*10/06/16 03:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*10/06/16 03:54*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/06/16 03:54*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*10/06/16 03:54*	*1*

Client Sample ID: MW-12 100416

Lab Sample ID: 480-106992-10

Date Collected: 10/04/16 11:40

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 04:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 04:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 04:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 04:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 04:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 04:21	1

Client Sample ID: MW-12 100416
Date Collected: 10/04/16 11:40
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 04:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 04:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 04:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 04:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 04:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 04:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 04:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 04:21	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 04:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 04:21	1
Acetone	ND		10	3.0	ug/L			10/06/16 04:21	1
Benzene	ND		1.0	0.41	ug/L			10/06/16 04:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 04:21	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 04:21	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 04:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 04:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 04:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 04:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 04:21	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 04:21	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 04:21	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 04:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/16 04:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 04:21	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 04:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 04:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 04:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 04:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 04:21	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 04:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 04:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 04:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 04:21	1
Styrene	ND		1.0	0.73	ug/L			10/06/16 04:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/16 04:21	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 04:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 04:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 04:21	1
Trichloroethene	**13**		1.0	0.46	ug/L			10/06/16 04:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 04:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 04:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/06/16 04:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*10/06/16 04:21*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/06/16 04:21*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/06/16 04:21*	*1*

Client Sample ID: MW-9 100416
Date Collected: 10/04/16 12:00
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 04:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 04:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 04:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 04:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 04:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 04:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 04:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 04:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 04:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 04:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 04:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 04:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 04:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 04:48	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 04:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 04:48	1
Acetone	ND		10	3.0	ug/L			10/06/16 04:48	1
Benzene	ND		1.0	0.41	ug/L			10/06/16 04:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 04:48	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 04:48	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 04:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 04:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 04:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 04:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 04:48	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 04:48	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 04:48	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 04:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/16 04:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 04:48	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 04:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 04:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 04:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 04:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 04:48	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 04:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 04:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 04:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 04:48	1
Styrene	ND		1.0	0.73	ug/L			10/06/16 04:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/16 04:48	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 04:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 04:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 04:48	1
Trichloroethene	**33**		1.0	0.46	ug/L			10/06/16 04:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 04:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 04:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 04:48	1

Client Sample ID: MW-9 100416

Lab Sample ID: 480-106992-11

Date Collected: 10/04/16 12:00

Matrix: Water

Date Received: 10/05/16 01:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		10/06/16 04:48	1
1,2-Dichloroethane-d4 (Surr)	86		77 - 120		10/06/16 04:48	1
4-Bromofluorobenzene (Surr)	105		73 - 120		10/06/16 04:48	1
Dibromofluoromethane (Surr)	96		75 - 123		10/06/16 04:48	1

Client Sample ID: PZ-2 100416

Lab Sample ID: 480-106992-12

Date Collected: 10/04/16 12:30

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 05:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 05:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 05:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 05:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 05:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 05:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 05:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 05:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 05:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 05:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 05:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 05:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 05:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 05:15	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 05:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 05:15	1
Acetone	ND		10	3.0	ug/L			10/06/16 05:15	1
Benzene	ND		1.0	0.41	ug/L			10/06/16 05:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 05:15	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 05:15	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 05:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 05:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 05:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 05:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 05:15	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 05:15	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 05:15	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 05:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/06/16 05:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 05:15	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 05:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 05:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 05:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 05:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 05:15	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 05:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 05:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 05:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 05:15	1

Client Sample ID: PZ-2 100416

Date Collected: 10/04/16 12:30
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-12
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			10/06/16 05:15	1
Tetrachloroethene	**0.48**	**J**	1.0	0.36	ug/L			10/06/16 05:15	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 05:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 05:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 05:15	1
Trichloroethene	**71**		1.0	0.46	ug/L			10/06/16 05:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 05:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 05:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*80 - 120*		*10/06/16 05:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*10/06/16 05:15*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/06/16 05:15*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/06/16 05:15*	*1*

Client Sample ID: MW-17 100416

Date Collected: 10/04/16 12:45
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/06/16 05:42	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/06/16 05:42	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/06/16 05:42	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/06/16 05:42	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/06/16 05:42	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/06/16 05:42	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/06/16 05:42	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/06/16 05:42	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/06/16 05:42	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/06/16 05:42	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/06/16 05:42	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/06/16 05:42	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/06/16 05:42	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/06/16 05:42	5
2-Hexanone	ND		25	6.2	ug/L			10/06/16 05:42	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/06/16 05:42	5
Acetone	ND		50	15	ug/L			10/06/16 05:42	5
Benzene	ND		5.0	2.1	ug/L			10/06/16 05:42	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/06/16 05:42	5
Bromoform	ND		5.0	1.3	ug/L			10/06/16 05:42	5
Bromomethane	ND		5.0	3.5	ug/L			10/06/16 05:42	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/06/16 05:42	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/06/16 05:42	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/06/16 05:42	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/06/16 05:42	5
Chloroethane	ND		5.0	1.6	ug/L			10/06/16 05:42	5
Chloroform	ND		5.0	1.7	ug/L			10/06/16 05:42	5
Chloromethane	ND		5.0	1.8	ug/L			10/06/16 05:42	5

Client Sample ID: MW-17 100416

Lab Sample ID: 480-106992-13

Date Collected: 10/04/16 12:45

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**18**		5.0	4.1	ug/L			10/06/16 05:42	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/06/16 05:42	5
Cyclohexane	ND		5.0	0.90	ug/L			10/06/16 05:42	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/06/16 05:42	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/06/16 05:42	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/06/16 05:42	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/06/16 05:42	5
Methyl acetate	ND		13	6.5	ug/L			10/06/16 05:42	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/06/16 05:42	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/06/16 05:42	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/06/16 05:42	5
Styrene	ND		5.0	3.7	ug/L			10/06/16 05:42	5
Tetrachloroethene	**5.2**		5.0	1.8	ug/L			10/06/16 05:42	5
Toluene	ND		5.0	2.6	ug/L			10/06/16 05:42	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/06/16 05:42	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/06/16 05:42	5
Trichloroethene	**190**		5.0	2.3	ug/L			10/06/16 05:42	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/06/16 05:42	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/06/16 05:42	5
Xylenes, Total	ND		10	3.3	ug/L			10/06/16 05:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/06/16 05:42*	*5*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*10/06/16 05:42*	*5*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/06/16 05:42*	*5*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*10/06/16 05:42*	*5*

Client Sample ID: MW-21 100416

Lab Sample ID: 480-106992-14

Date Collected: 10/04/16 12:55

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 06:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 06:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 06:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 06:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 06:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 06:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 06:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 06:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 06:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 06:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 06:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 06:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 06:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 06:09	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 06:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 06:09	1
Acetone	ND		10	3.0	ug/L			10/06/16 06:09	1

Client Sample ID: MW-21 100416

Lab Sample ID: 480-106992-14

Date Collected: 10/04/16 12:55

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	0.41	ug/L			10/06/16 06:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 06:09	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 06:09	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 06:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 06:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 06:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 06:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 06:09	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 06:09	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 06:09	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 06:09	1
cis-1,2-Dichloroethene	**48**		1.0	0.81	ug/L			10/06/16 06:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 06:09	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 06:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 06:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 06:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 06:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 06:09	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 06:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 06:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 06:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 06:09	1
Styrene	ND		1.0	0.73	ug/L			10/06/16 06:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/16 06:09	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 06:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/06/16 06:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 06:09	1
Trichloroethene	**19**		1.0	0.46	ug/L			10/06/16 06:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 06:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 06:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 06:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/06/16 06:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*10/06/16 06:09*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/06/16 06:09*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/06/16 06:09*	*1*

Client Sample ID: MW-24 100416

Lab Sample ID: 480-106992-15

Date Collected: 10/04/16 13:15

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/06/16 06:36	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/06/16 06:36	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/06/16 06:36	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/06/16 06:36	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/06/16 06:36	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/06/16 06:36	5

Client Sample ID: MW-24 100416
Date Collected: 10/04/16 13:15
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/06/16 06:36	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/06/16 06:36	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/06/16 06:36	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/06/16 06:36	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/06/16 06:36	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/06/16 06:36	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/06/16 06:36	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/06/16 06:36	5
2-Hexanone	ND		25	6.2	ug/L			10/06/16 06:36	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/06/16 06:36	5
Acetone	ND		50	15	ug/L			10/06/16 06:36	5
Benzene	ND		5.0	2.1	ug/L			10/06/16 06:36	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/06/16 06:36	5
Bromoform	ND		5.0	1.3	ug/L			10/06/16 06:36	5
Bromomethane	ND		5.0	3.5	ug/L			10/06/16 06:36	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/06/16 06:36	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/06/16 06:36	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/06/16 06:36	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/06/16 06:36	5
Chloroethane	ND		5.0	1.6	ug/L			10/06/16 06:36	5
Chloroform	ND		5.0	1.7	ug/L			10/06/16 06:36	5
Chloromethane	ND		5.0	1.8	ug/L			10/06/16 06:36	5
cis-1,2-Dichloroethene	**65**		5.0	4.1	ug/L			10/06/16 06:36	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/06/16 06:36	5
Cyclohexane	ND		5.0	0.90	ug/L			10/06/16 06:36	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/06/16 06:36	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/06/16 06:36	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/06/16 06:36	5
Isopropylbenzene	ND		5.0	4.0	ug/L			10/06/16 06:36	5
Methyl acetate	ND		13	6.5	ug/L			10/06/16 06:36	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/06/16 06:36	5
Methylcyclohexane	ND		5.0	0.80	ug/L			10/06/16 06:36	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/06/16 06:36	5
Styrene	ND		5.0	3.7	ug/L			10/06/16 06:36	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/06/16 06:36	5
Toluene	ND		5.0	2.6	ug/L			10/06/16 06:36	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/06/16 06:36	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/06/16 06:36	5
Trichloroethene	**420**		5.0	2.3	ug/L			10/06/16 06:36	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/06/16 06:36	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/06/16 06:36	5
Xylenes, Total	ND		10	3.3	ug/L			10/06/16 06:36	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*10/06/16 06:36*	*5*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*10/06/16 06:36*	*5*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/06/16 06:36*	*5*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*10/06/16 06:36*	*5*

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

TestAmerica Job ID: 480-106992-1

Client Sample ID: MW-22 100416
Date Collected: 10/04/16 13:35
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/06/16 07:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/06/16 07:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/06/16 07:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/06/16 07:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/06/16 07:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/06/16 07:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/06/16 07:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/06/16 07:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/06/16 07:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/06/16 07:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/06/16 07:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/06/16 07:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/06/16 07:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/06/16 07:03	1
2-Hexanone	ND		5.0	1.2	ug/L			10/06/16 07:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/06/16 07:03	1
Acetone	ND		10	3.0	ug/L			10/06/16 07:03	1
Benzene	ND		1.0	0.41	ug/L			10/06/16 07:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/06/16 07:03	1
Bromoform	ND		1.0	0.26	ug/L			10/06/16 07:03	1
Bromomethane	ND		1.0	0.69	ug/L			10/06/16 07:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/06/16 07:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/06/16 07:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/06/16 07:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/06/16 07:03	1
Chloroethane	ND		1.0	0.32	ug/L			10/06/16 07:03	1
Chloroform	ND		1.0	0.34	ug/L			10/06/16 07:03	1
Chloromethane	ND		1.0	0.35	ug/L			10/06/16 07:03	1
cis-1,2-Dichloroethene	**30**		1.0	0.81	ug/L			10/06/16 07:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/06/16 07:03	1
Cyclohexane	ND		1.0	0.18	ug/L			10/06/16 07:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/06/16 07:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/06/16 07:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/06/16 07:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/06/16 07:03	1
Methyl acetate	ND		2.5	1.3	ug/L			10/06/16 07:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/06/16 07:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/06/16 07:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/06/16 07:03	1
Styrene	ND		1.0	0.73	ug/L			10/06/16 07:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/06/16 07:03	1
Toluene	ND		1.0	0.51	ug/L			10/06/16 07:03	1
trans-1,2-Dichloroethene	**2.5**		1.0	0.90	ug/L			10/06/16 07:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/06/16 07:03	1
Trichloroethene	**8.4**		1.0	0.46	ug/L			10/06/16 07:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/06/16 07:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/06/16 07:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/06/16 07:03	1

Client Sample ID: MW-22 100416

Lab Sample ID: 480-106992-16

Date Collected: 10/04/16 13:35

Matrix: Water

Date Received: 10/05/16 01:15

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*86*		*80 - 120*		*10/06/16 07:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*10/06/16 07:03*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/06/16 07:03*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*10/06/16 07:03*	*1*

Client Sample ID: MW-18 100416

Lab Sample ID: 480-106992-17

Date Collected: 10/04/16 14:00

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			10/07/16 20:38	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			10/07/16 20:38	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			10/07/16 20:38	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			10/07/16 20:38	20
1,1-Dichloroethane	ND		20	7.6	ug/L			10/07/16 20:38	20
1,1-Dichloroethene	ND		20	5.8	ug/L			10/07/16 20:38	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			10/07/16 20:38	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			10/07/16 20:38	20
1,2-Dichlorobenzene	ND		20	16	ug/L			10/07/16 20:38	20
1,2-Dichloroethane	ND		20	4.2	ug/L			10/07/16 20:38	20
1,2-Dichloropropane	ND		20	14	ug/L			10/07/16 20:38	20
1,3-Dichlorobenzene	ND		20	16	ug/L			10/07/16 20:38	20
1,4-Dichlorobenzene	ND		20	17	ug/L			10/07/16 20:38	20
2-Butanone (MEK)	ND		200	26	ug/L			10/07/16 20:38	20
2-Hexanone	ND		100	25	ug/L			10/07/16 20:38	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			10/07/16 20:38	20
Acetone	ND		200	60	ug/L			10/07/16 20:38	20
Benzene	ND		20	8.2	ug/L			10/07/16 20:38	20
Bromodichloromethane	ND		20	7.8	ug/L			10/07/16 20:38	20
Bromoform	ND		20	5.2	ug/L			10/07/16 20:38	20
Bromomethane	ND		20	14	ug/L			10/07/16 20:38	20
Carbon disulfide	ND		20	3.8	ug/L			10/07/16 20:38	20
Carbon tetrachloride	ND		20	5.4	ug/L			10/07/16 20:38	20
Chlorobenzene	ND		20	15	ug/L			10/07/16 20:38	20
Dibromochloromethane	ND		20	6.4	ug/L			10/07/16 20:38	20
Chloroethane	ND		20	6.4	ug/L			10/07/16 20:38	20
Chloroform	ND		20	6.8	ug/L			10/07/16 20:38	20
Chloromethane	ND		20	7.0	ug/L			10/07/16 20:38	20
cis-1,2-Dichloroethene	**500**		20	16	ug/L			10/07/16 20:38	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			10/07/16 20:38	20
Cyclohexane	ND		20	3.6	ug/L			10/07/16 20:38	20
Dichlorodifluoromethane	ND		20	14	ug/L			10/07/16 20:38	20
Ethylbenzene	ND		20	15	ug/L			10/07/16 20:38	20
1,2-Dibromoethane	ND		20	15	ug/L			10/07/16 20:38	20
Isopropylbenzene	ND		20	16	ug/L			10/07/16 20:38	20
Methyl acetate	ND		50	26	ug/L			10/07/16 20:38	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			10/07/16 20:38	20
Methylcyclohexane	ND		20	3.2	ug/L			10/07/16 20:38	20
Methylene Chloride	ND		20	8.8	ug/L			10/07/16 20:38	20

Client Sample ID: MW-18 100416

Lab Sample ID: 480-106992-17

Date Collected: 10/04/16 14:00

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		20	15	ug/L			10/07/16 20:38	20
Tetrachloroethene	ND		20	7.2	ug/L			10/07/16 20:38	20
Toluene	ND		20	10	ug/L			10/07/16 20:38	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			10/07/16 20:38	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			10/07/16 20:38	20
Trichloroethene	**1300**		20	9.2	ug/L			10/07/16 20:38	20
Trichlorofluoromethane	ND		20	18	ug/L			10/07/16 20:38	20
Vinyl chloride	ND		20	18	ug/L			10/07/16 20:38	20
Xylenes, Total	ND		40	13	ug/L			10/07/16 20:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/07/16 20:38*	*20*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/07/16 20:38*	*20*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*10/07/16 20:38*	*20*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/07/16 20:38*	*20*

Client Sample ID: QC TRIP BLANK

Lab Sample ID: 480-106992-18

Date Collected: 10/04/16 00:00

Matrix: Water

Date Received: 10/05/16 01:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/07/16 21:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/07/16 21:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/07/16 21:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/07/16 21:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/07/16 21:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/07/16 21:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/07/16 21:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/07/16 21:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/07/16 21:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/07/16 21:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/07/16 21:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/07/16 21:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/07/16 21:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/07/16 21:01	1
2-Hexanone	ND		5.0	1.2	ug/L			10/07/16 21:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/07/16 21:01	1
Acetone	ND		10	3.0	ug/L			10/07/16 21:01	1
Benzene	ND		1.0	0.41	ug/L			10/07/16 21:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/07/16 21:01	1
Bromoform	ND		1.0	0.26	ug/L			10/07/16 21:01	1
Bromomethane	ND		1.0	0.69	ug/L			10/07/16 21:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/07/16 21:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/07/16 21:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/07/16 21:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/07/16 21:01	1
Chloroethane	ND		1.0	0.32	ug/L			10/07/16 21:01	1
Chloroform	ND		1.0	0.34	ug/L			10/07/16 21:01	1
Chloromethane	ND		1.0	0.35	ug/L			10/07/16 21:01	1

Client Sample ID: QC TRIP BLANK
Date Collected: 10/04/16 00:00
Date Received: 10/05/16 01:15

Lab Sample ID: 480-106992-18
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/07/16 21:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/07/16 21:01	1
Cyclohexane	ND		1.0	0.18	ug/L			10/07/16 21:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/07/16 21:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/07/16 21:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/07/16 21:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/07/16 21:01	1
Methyl acetate	ND		2.5	1.3	ug/L			10/07/16 21:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/07/16 21:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/07/16 21:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/07/16 21:01	1
Styrene	ND		1.0	0.73	ug/L			10/07/16 21:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/07/16 21:01	1
Toluene	ND		1.0	0.51	ug/L			10/07/16 21:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/07/16 21:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/07/16 21:01	1
Trichloroethene	ND		1.0	0.46	ug/L			10/07/16 21:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/07/16 21:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/07/16 21:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/07/16 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/07/16 21:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/07/16 21:01*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*10/07/16 21:01*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/07/16 21:01*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-106992-1

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	(80-120)	(77-120)	(73-120)	(75-123)
480-106992-1	MW-5 100416	88	87	105	93
480-106992-2	MW-6 100416	88	89	105	95
480-106992-3	PZ-1 100416	87	89	105	95
480-106992-4	MW-11 100416	87	87	105	93
480-106992-4 MS	MW-11 100416	87	89	108	98
480-106992-4 MSD	MW-11 100416	88	85	109	94
480-106992-5	MW-10 100416	89	87	107	94
480-106992-6	MW-14 100416	87	87	104	95
480-106992-7	MW-13 100416	87	88	103	97
480-106992-8	MW-16 100416	88	89	106	96
480-106992-9	MW-15 100416	86	88	106	94
480-106992-10	MW-12 100416	88	87	105	95
480-106992-11	MW-9 100416	87	86	105	96
480-106992-12	PZ-2 100416	87	88	105	96
480-106992-13	MW-17 100416	88	90	107	95
480-106992-14	MW-21 100416	88	86	106	98
480-106992-15	MW-24 100416	88	90	107	96
480-106992-16	MW-22 100416	86	90	102	97
480-106992-17	MW-18 100416	99	102	91	100
480-106992-18	QC TRIP BLANK	100	105	92	98
LCS 480-324016/4	Lab Control Sample	88	86	109	92
LCS 480-324466/4	Lab Control Sample	102	102	98	99
MB 480-324016/6	Method Blank	87	88	106	93
MB 480-324466/6	Method Blank	99	105	94	101

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 480-324016/6
Matrix: Water
Analysis Batch: 324016

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/05/16 23:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/05/16 23:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/05/16 23:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/05/16 23:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/05/16 23:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/05/16 23:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/05/16 23:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/05/16 23:24	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/05/16 23:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/05/16 23:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/05/16 23:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/05/16 23:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/05/16 23:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/05/16 23:24	1
2-Hexanone	ND		5.0	1.2	ug/L			10/05/16 23:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/05/16 23:24	1
Acetone	ND		10	3.0	ug/L			10/05/16 23:24	1
Benzene	ND		1.0	0.41	ug/L			10/05/16 23:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/05/16 23:24	1
Bromoform	ND		1.0	0.26	ug/L			10/05/16 23:24	1
Bromomethane	ND		1.0	0.69	ug/L			10/05/16 23:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/05/16 23:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/05/16 23:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/05/16 23:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/05/16 23:24	1
Chloroethane	ND		1.0	0.32	ug/L			10/05/16 23:24	1
Chloroform	ND		1.0	0.34	ug/L			10/05/16 23:24	1
Chloromethane	ND		1.0	0.35	ug/L			10/05/16 23:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/05/16 23:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/05/16 23:24	1
Cyclohexane	ND		1.0	0.18	ug/L			10/05/16 23:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/05/16 23:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/05/16 23:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/05/16 23:24	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/05/16 23:24	1
Methyl acetate	ND		2.5	1.3	ug/L			10/05/16 23:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/05/16 23:24	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/05/16 23:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/05/16 23:24	1
Styrene	ND		1.0	0.73	ug/L			10/05/16 23:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/05/16 23:24	1
Toluene	ND		1.0	0.51	ug/L			10/05/16 23:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/05/16 23:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/05/16 23:24	1
Trichloroethene	ND		1.0	0.46	ug/L			10/05/16 23:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/05/16 23:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/05/16 23:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/05/16 23:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		10/05/16 23:24	1
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		10/05/16 23:24	1
4-Bromofluorobenzene (Surr)	106		73 - 120		10/05/16 23:24	1
Dibromofluoromethane (Surr)	93		75 - 123		10/05/16 23:24	1

Lab Sample ID: LCS 480-324016/4
Matrix: Water
Analysis Batch: 324016

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.8		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.5		ug/L		86	76 - 120
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.2		ug/L		93	61 - 148
1,1-Dichloroethane	25.0	22.4		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	21.7		ug/L		87	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.7		ug/L		83	56 - 134
1,2-Dichlorobenzene	25.0	23.1		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	22.3		ug/L		89	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	125	109		ug/L		87	57 - 140
2-Hexanone	125	111		ug/L		89	65 - 127
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	22.3		ug/L		89	71 - 124
Bromodichloromethane	25.0	24.8		ug/L		99	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	32.3		ug/L		129	55 - 144
Carbon disulfide	25.0	26.4		ug/L		105	59 - 134
Carbon tetrachloride	25.0	26.0		ug/L		104	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Chloroethane	25.0	27.3		ug/L		109	69 - 136
Chloroform	25.0	24.1		ug/L		97	73 - 127
Chloromethane	25.0	20.8		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	23.8		ug/L		95	74 - 124
Cyclohexane	25.0	21.3		ug/L		85	59 - 135
Dichlorodifluoromethane	25.0	23.0		ug/L		92	59 - 135
Ethylbenzene	25.0	23.4		ug/L		93	77 - 123
1,2-Dibromoethane	25.0	24.2		ug/L		97	77 - 120
Isopropylbenzene	25.0	21.5		ug/L		86	77 - 122
Methyl acetate	125	105		ug/L		84	74 - 133
Methyl tert-butyl ether	25.0	23.9		ug/L		96	77 - 120
Methylcyclohexane	25.0	20.6		ug/L		83	68 - 134
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
Styrene	25.0	23.3		ug/L		93	80 - 120
Tetrachloroethene	25.0	23.5		ug/L		94	74 - 122
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	22.8		ug/L		91	73 - 127

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

Lab Sample ID: LCS 480-324016/4
Matrix: Water
Analysis Batch: 324016

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	25.0	24.4		ug/L		97	80 - 120
Trichloroethene	25.0	23.2		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	26.2		ug/L		105	62 - 150
Vinyl chloride	25.0	21.0		ug/L		84	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*

Lab Sample ID: 480-106992-4 MS
Matrix: Water
Analysis Batch: 324016

Client Sample ID: MW-11 100416
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		250	278		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	ND		250	219		ug/L		88	76 - 120
1,1,2-Trichloroethane	ND		250	232		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	270		ug/L		108	61 - 148
1,1-Dichloroethane	ND		250	236		ug/L		94	77 - 120
1,1-Dichloroethene	ND		250	253		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	ND		250	215		ug/L		86	79 - 122
1,2-Dibromo-3-Chloropropane	ND		250	197		ug/L		79	56 - 134
1,2-Dichlorobenzene	ND		250	235		ug/L		94	80 - 124
1,2-Dichloroethane	ND		250	268		ug/L		107	75 - 120
1,2-Dichloropropane	ND		250	227		ug/L		91	76 - 120
1,3-Dichlorobenzene	ND		250	228		ug/L		91	77 - 120
1,4-Dichlorobenzene	ND		250	234		ug/L		94	78 - 124
2-Butanone (MEK)	ND		1250	1060		ug/L		85	57 - 140
2-Hexanone	ND		1250	1090		ug/L		87	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		1250	1040		ug/L		83	71 - 125
Acetone	ND		1250	1180		ug/L		94	56 - 142
Benzene	ND		250	237		ug/L		95	71 - 124
Bromodichloromethane	ND		250	251		ug/L		100	80 - 122
Bromoform	ND		250	225		ug/L		90	61 - 132
Bromomethane	ND	F1 F2	250	435	F1	ug/L		174	55 - 144
Carbon disulfide	ND	F2	250	280		ug/L		112	59 - 134
Carbon tetrachloride	ND		250	301		ug/L		120	72 - 134
Chlorobenzene	ND		250	247		ug/L		99	80 - 120
Dibromochloromethane	ND		250	240		ug/L		96	75 - 125
Chloroethane	ND		250	340		ug/L		136	69 - 136
Chloroform	ND		250	264		ug/L		106	73 - 127
Chloromethane	ND		250	202		ug/L		81	68 - 124
cis-1,2-Dichloroethene	ND		250	247		ug/L		99	74 - 124
cis-1,3-Dichloropropene	ND		250	220		ug/L		88	74 - 124
Cyclohexane	ND		250	228		ug/L		91	59 - 135

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

Lab Sample ID: 480-106992-4 MS
Matrix: Water
Analysis Batch: 324016

Client Sample ID: MW-11 100416
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	ND		250	259		ug/L		104	59 - 135
Ethylbenzene	ND		250	240		ug/L		96	77 - 123
1,2-Dibromoethane	ND		250	245		ug/L		98	77 - 120
Isopropylbenzene	ND		250	215		ug/L		86	77 - 122
Methyl acetate	ND		1250	1080		ug/L		86	74 - 133
Methyl tert-butyl ether	ND		250	238		ug/L		95	77 - 120
Methylcyclohexane	ND		250	216		ug/L		86	68 - 134
Methylene Chloride	ND		250	249		ug/L		99	75 - 124
Styrene	ND		250	229		ug/L		92	80 - 120
Tetrachloroethene	ND		250	255		ug/L		102	74 - 122
Toluene	ND		250	227		ug/L		91	80 - 122
trans-1,2-Dichloroethene	ND		250	249		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		250	224		ug/L		90	80 - 120
Trichloroethene	540	F1	250	702	F1	ug/L		63	74 - 123
Trichlorofluoromethane	ND		250	312		ug/L		125	62 - 150
Vinyl chloride	ND		250	217		ug/L		87	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*87*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-106992-4 MSD
Matrix: Water
Analysis Batch: 324016

Client Sample ID: MW-11 100416
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		250	265		ug/L		106	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		250	214		ug/L		86	76 - 120	3	15
1,1,2-Trichloroethane	ND		250	233		ug/L		93	76 - 122	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	253		ug/L		101	61 - 148	7	20
1,1-Dichloroethane	ND		250	229		ug/L		91	77 - 120	3	20
1,1-Dichloroethene	ND		250	240		ug/L		96	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		250	207		ug/L		83	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		250	196		ug/L		79	56 - 134	0	15
1,2-Dichlorobenzene	ND		250	230		ug/L		92	80 - 124	2	20
1,2-Dichloroethane	ND		250	263		ug/L		105	75 - 120	2	20
1,2-Dichloropropane	ND		250	220		ug/L		88	76 - 120	3	20
1,3-Dichlorobenzene	ND		250	228		ug/L		91	77 - 120	0	20
1,4-Dichlorobenzene	ND		250	230		ug/L		92	78 - 124	2	20
2-Butanone (MEK)	ND		1250	1040		ug/L		83	57 - 140	2	20
2-Hexanone	ND		1250	1090		ug/L		88	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	ND		1250	1050		ug/L		84	71 - 125	2	35
Acetone	ND		1250	1170		ug/L		93	56 - 142	1	15
Benzene	ND		250	227		ug/L		91	71 - 124	4	13
Bromodichloromethane	ND		250	247		ug/L		99	80 - 122	2	15

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

Lab Sample ID: 480-106992-4 MSD
Matrix: Water
Analysis Batch: 324016

Client Sample ID: MW-11 100416
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	ND		250	226		ug/L		90	61 - 132	0	15
Bromomethane	ND	F1 F2	250	316	F2	ug/L		126	55 - 144	32	15
Carbon disulfide	ND	F2	250	229	F2	ug/L		92	59 - 134	20	15
Carbon tetrachloride	ND		250	287		ug/L		115	72 - 134	5	15
Chlorobenzene	ND		250	243		ug/L		97	80 - 120	2	25
Dibromochloromethane	ND		250	248		ug/L		99	75 - 125	3	15
Chloroethane	ND		250	334		ug/L		134	69 - 136	2	15
Chloroform	ND		250	252		ug/L		101	73 - 127	4	20
Chloromethane	ND		250	201		ug/L		81	68 - 124	0	15
cis-1,2-Dichloroethene	ND		250	241		ug/L		96	74 - 124	2	15
cis-1,3-Dichloropropene	ND		250	214		ug/L		86	74 - 124	3	15
Cyclohexane	ND		250	217		ug/L		87	59 - 135	5	20
Dichlorodifluoromethane	ND		250	242		ug/L		97	59 - 135	7	20
Ethylbenzene	ND		250	235		ug/L		94	77 - 123	2	15
1,2-Dibromoethane	ND		250	244		ug/L		97	77 - 120	1	15
Isopropylbenzene	ND		250	210		ug/L		84	77 - 122	3	20
Methyl acetate	ND		1250	1060		ug/L		85	74 - 133	2	20
Methyl tert-butyl ether	ND		250	239		ug/L		95	77 - 120	0	37
Methylcyclohexane	ND		250	212		ug/L		85	68 - 134	2	20
Methylene Chloride	ND		250	246		ug/L		98	75 - 124	1	15
Styrene	ND		250	229		ug/L		92	80 - 120	0	20
Tetrachloroethene	ND		250	243		ug/L		97	74 - 122	5	20
Toluene	ND		250	226		ug/L		90	80 - 122	0	15
trans-1,2-Dichloroethene	ND		250	239		ug/L		96	73 - 127	4	20
trans-1,3-Dichloropropene	ND		250	230		ug/L		92	80 - 120	2	15
Trichloroethene	540	F1	250	673	F1	ug/L		52	74 - 123	4	16
Trichlorofluoromethane	ND		250	289		ug/L		116	62 - 150	8	20
Vinyl chloride	ND		250	212		ug/L		85	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*88*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

Lab Sample ID: MB 480-324466/6
Matrix: Water
Analysis Batch: 324466

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/07/16 20:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/07/16 20:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/07/16 20:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/07/16 20:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/07/16 20:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/07/16 20:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/07/16 20:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/07/16 20:05	1

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

Lab Sample ID: MB 480-324466/6
Matrix: Water
Analysis Batch: 324466

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/07/16 20:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/07/16 20:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/07/16 20:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/07/16 20:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/07/16 20:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/07/16 20:05	1
2-Hexanone	ND		5.0	1.2	ug/L			10/07/16 20:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/07/16 20:05	1
Acetone	ND		10	3.0	ug/L			10/07/16 20:05	1
Benzene	ND		1.0	0.41	ug/L			10/07/16 20:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/07/16 20:05	1
Bromoform	ND		1.0	0.26	ug/L			10/07/16 20:05	1
Bromomethane	ND		1.0	0.69	ug/L			10/07/16 20:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/07/16 20:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/07/16 20:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/07/16 20:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/07/16 20:05	1
Chloroethane	ND		1.0	0.32	ug/L			10/07/16 20:05	1
Chloroform	ND		1.0	0.34	ug/L			10/07/16 20:05	1
Chloromethane	ND		1.0	0.35	ug/L			10/07/16 20:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/07/16 20:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/07/16 20:05	1
Cyclohexane	ND		1.0	0.18	ug/L			10/07/16 20:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/07/16 20:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/07/16 20:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/07/16 20:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/07/16 20:05	1
Methyl acetate	ND		2.5	1.3	ug/L			10/07/16 20:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/07/16 20:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/07/16 20:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/07/16 20:05	1
Styrene	ND		1.0	0.73	ug/L			10/07/16 20:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/07/16 20:05	1
Toluene	ND		1.0	0.51	ug/L			10/07/16 20:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/07/16 20:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/07/16 20:05	1
Trichloroethene	ND		1.0	0.46	ug/L			10/07/16 20:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/07/16 20:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/07/16 20:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/07/16 20:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/07/16 20:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/07/16 20:05*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*10/07/16 20:05*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/07/16 20:05*	*1*

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

Lab Sample ID: LCS 480-324466/4
Matrix: Water
Analysis Batch: 324466

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	25.7		ug/L		103	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.2		ug/L		125	61 - 148
1,1-Dichloroethane	25.0	27.0		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	24.9		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	25.2		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.5		ug/L		98	56 - 134
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	27.4		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	77 - 120
1,4-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 120
2-Butanone (MEK)	125	138		ug/L		110	57 - 140
2-Hexanone	125	134		ug/L		107	65 - 127
4-Methyl-2-pentanone (MIBK)	125	135		ug/L		108	71 - 125
Acetone	125	142		ug/L		114	56 - 142
Benzene	25.0	26.5		ug/L		106	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122
Bromoform	25.0	26.4		ug/L		106	61 - 132
Bromomethane	25.0	23.1		ug/L		92	55 - 144
Carbon disulfide	25.0	25.8		ug/L		103	59 - 134
Carbon tetrachloride	25.0	27.3		ug/L		109	72 - 134
Chlorobenzene	25.0	26.2		ug/L		105	80 - 120
Dibromochloromethane	25.0	28.5		ug/L		114	75 - 125
Chloroethane	25.0	24.8		ug/L		99	69 - 136
Chloroform	25.0	24.9		ug/L		100	73 - 127
Chloromethane	25.0	25.5		ug/L		102	68 - 124
cis-1,2-Dichloroethene	25.0	26.1		ug/L		105	74 - 124
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	74 - 124
Cyclohexane	25.0	27.8		ug/L		111	59 - 135
Dichlorodifluoromethane	25.0	20.3		ug/L		81	59 - 135
Ethylbenzene	25.0	25.9		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
Isopropylbenzene	25.0	26.3		ug/L		105	77 - 122
Methyl acetate	125	132		ug/L		106	74 - 133
Methyl tert-butyl ether	25.0	26.0		ug/L		104	77 - 120
Methylcyclohexane	25.0	25.7		ug/L		103	68 - 134
Methylene Chloride	25.0	25.1		ug/L		101	75 - 124
Styrene	25.0	25.8		ug/L		103	80 - 120
Tetrachloroethene	25.0	26.4		ug/L		106	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	27.0		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	27.5		ug/L		110	80 - 120
Trichloroethene	25.0	25.2		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	25.5		ug/L		102	62 - 150
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133

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

TestAmerica Job ID: 480-106992-1

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

Lab Sample ID: LCS 480-324466/4
Matrix: Water
Analysis Batch: 324466

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123

QC Association Summary

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

TestAmerica Job ID: 480-106992-1

GC/MS VOA

Analysis Batch: 324016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106992-1	MW-5 100416	Total/NA	Water	8260C	
480-106992-2	MW-6 100416	Total/NA	Water	8260C	
480-106992-3	PZ-1 100416	Total/NA	Water	8260C	
480-106992-4	MW-11 100416	Total/NA	Water	8260C	
480-106992-5	MW-10 100416	Total/NA	Water	8260C	
480-106992-6	MW-14 100416	Total/NA	Water	8260C	
480-106992-7	MW-13 100416	Total/NA	Water	8260C	
480-106992-8	MW-16 100416	Total/NA	Water	8260C	
480-106992-9	MW-15 100416	Total/NA	Water	8260C	
480-106992-10	MW-12 100416	Total/NA	Water	8260C	
480-106992-11	MW-9 100416	Total/NA	Water	8260C	
480-106992-12	PZ-2 100416	Total/NA	Water	8260C	
480-106992-13	MW-17 100416	Total/NA	Water	8260C	
480-106992-14	MW-21 100416	Total/NA	Water	8260C	
480-106992-15	MW-24 100416	Total/NA	Water	8260C	
480-106992-16	MW-22 100416	Total/NA	Water	8260C	
MB 480-324016/6	Method Blank	Total/NA	Water	8260C	
LCS 480-324016/4	Lab Control Sample	Total/NA	Water	8260C	
480-106992-4 MS	MW-11 100416	Total/NA	Water	8260C	
480-106992-4 MSD	MW-11 100416	Total/NA	Water	8260C	

Analysis Batch: 324466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-106992-17	MW-18 100416	Total/NA	Water	8260C	
480-106992-18	QC TRIP BLANK	Total/NA	Water	8260C	
MB 480-324466/6	Method Blank	Total/NA	Water	8260C	
LCS 480-324466/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-106992-1

Client Sample ID: MW-5 100416
Lab Sample ID: 480-106992-1
Date Collected: 10/04/16 07:50
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 00:17	RJF	TAL BUF

Client Sample ID: MW-6 100416
Lab Sample ID: 480-106992-2
Date Collected: 10/04/16 08:10
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 00:44	RJF	TAL BUF

Client Sample ID: PZ-1 100416
Lab Sample ID: 480-106992-3
Date Collected: 10/04/16 08:25
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 01:11	RJF	TAL BUF

Client Sample ID: MW-11 100416
Lab Sample ID: 480-106992-4
Date Collected: 10/04/16 08:55
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	324016	10/06/16 01:38	RJF	TAL BUF

Client Sample ID: MW-10 100416
Lab Sample ID: 480-106992-5
Date Collected: 10/04/16 09:15
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	324016	10/06/16 02:05	RJF	TAL BUF

Client Sample ID: MW-14 100416
Lab Sample ID: 480-106992-6
Date Collected: 10/04/16 09:35
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	324016	10/06/16 02:32	RJF	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-106992-1

Client Sample ID: MW-13 100416
Lab Sample ID: 480-106992-7
Date Collected: 10/04/16 09:55
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	324016	10/06/16 02:59	RJF	TAL BUF

Client Sample ID: MW-16 100416
Lab Sample ID: 480-106992-8
Date Collected: 10/04/16 10:15
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 03:27	RJF	TAL BUF

Client Sample ID: MW-15 100416
Lab Sample ID: 480-106992-9
Date Collected: 10/04/16 10:50
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 03:54	RJF	TAL BUF

Client Sample ID: MW-12 100416
Lab Sample ID: 480-106992-10
Date Collected: 10/04/16 11:40
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 04:21	RJF	TAL BUF

Client Sample ID: MW-9 100416
Lab Sample ID: 480-106992-11
Date Collected: 10/04/16 12:00
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 04:48	RJF	TAL BUF

Client Sample ID: PZ-2 100416
Lab Sample ID: 480-106992-12
Date Collected: 10/04/16 12:30
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 05:15	RJF	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-106992-1

Client Sample ID: MW-17 100416
Lab Sample ID: 480-106992-13
Date Collected: 10/04/16 12:45
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	324016	10/06/16 05:42	RJF	TAL BUF

Client Sample ID: MW-21 100416
Lab Sample ID: 480-106992-14
Date Collected: 10/04/16 12:55
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 06:09	RJF	TAL BUF

Client Sample ID: MW-24 100416
Lab Sample ID: 480-106992-15
Date Collected: 10/04/16 13:15
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	324016	10/06/16 06:36	RJF	TAL BUF

Client Sample ID: MW-22 100416
Lab Sample ID: 480-106992-16
Date Collected: 10/04/16 13:35
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324016	10/06/16 07:03	RJF	TAL BUF

Client Sample ID: MW-18 100416
Lab Sample ID: 480-106992-17
Date Collected: 10/04/16 14:00
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	324466	10/07/16 20:38	SMY	TAL BUF

Client Sample ID: QC TRIP BLANK
Lab Sample ID: 480-106992-18
Date Collected: 10/04/16 00:00
Matrix: Water
Date Received: 10/05/16 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	324466	10/07/16 21:01	SMY	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: 480-106992-1

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: 480-106992-1

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: 480-106992-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-106992-1	MW-5 100416	Water	10/04/16 07:50	10/05/16 01:15
480-106992-2	MW-6 100416	Water	10/04/16 08:10	10/05/16 01:15
480-106992-3	PZ-1 100416	Water	10/04/16 08:25	10/05/16 01:15
480-106992-4	MW-11 100416	Water	10/04/16 08:55	10/05/16 01:15
480-106992-5	MW-10 100416	Water	10/04/16 09:15	10/05/16 01:15
480-106992-6	MW-14 100416	Water	10/04/16 09:35	10/05/16 01:15
480-106992-7	MW-13 100416	Water	10/04/16 09:55	10/05/16 01:15
480-106992-8	MW-16 100416	Water	10/04/16 10:15	10/05/16 01:15
480-106992-9	MW-15 100416	Water	10/04/16 10:50	10/05/16 01:15
480-106992-10	MW-12 100416	Water	10/04/16 11:40	10/05/16 01:15
480-106992-11	MW-9 100416	Water	10/04/16 12:00	10/05/16 01:15
480-106992-12	PZ-2 100416	Water	10/04/16 12:30	10/05/16 01:15
480-106992-13	MW-17 100416	Water	10/04/16 12:45	10/05/16 01:15
480-106992-14	MW-21 100416	Water	10/04/16 12:55	10/05/16 01:15
480-106992-15	MW-24 100416	Water	10/04/16 13:15	10/05/16 01:15
480-106992-16	MW-22 100416	Water	10/04/16 13:35	10/05/16 01:15
480-106992-17	MW-18 100416	Water	10/04/16 14:00	10/05/16 01:15
480-106992-18	QC TRIP BLANK	Water	10/04/16 00:00	10/05/16 01:15

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

480-106992 COC

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	COC No: 480-87028-10564.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com	Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America		**Analysis Requ…**	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 #: 11600011		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
				Preservation Code:			A		
MW5 100416	10-4-16	7:50	G	Water			3		
MW6 100416	10-4-16	8:10	G	Water			3		
PZ-1 100416	10-4-16	8:25	G	Water			3		
MW-11 100416	10-4-16	8:55	G	Water			3		
MW-10 100416	10-4-16	9:15	G	Water			3		
MW-14 100416	10-4-16	9:35	G	Water			3		
MW-13 100416	10-4-16	9:55	G	Water			3		
MW 16 100416	10-4-16	10:15	G	Water			3		
MW 15 100416	10-4-16	10:50	G	Water			3		
MW 12 100416	10-4-16	11:40	G	Water			3		
MW 9 100416	10-4-16	12:00	G	Water			3		

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Martin Koennecke	10-4-16 / 1455	OBG	[illegible]	10-4-16 1455	SYR
[illegible]	10-4-16, 19:00	Syr	[illegible]	10-5-16 0115	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.2 #1

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

Chain of Custody Record

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THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN KOENNECKE	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com	COC No: 480-87028-10564.2
Company: O'Brien & Gere Inc of North America			Page: Page 2 of 2
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Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11600011		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

Analysis Requested

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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)
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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		
PZ-2 100416	10-4-16	1230	G	Water			3		
MW 17 100416	10-4-16	1245	G	Water			3		
MW 21 100416	10-4-16	12:55	G	Water			3		
MW 24 100416	10-4-16	13:15	G	Water			3		
MW 22 100416	10-4-16	13:35	G	Water			3		
MW 18 100416	10-4-16	14:00	G	Water			3		
QC TRIP BLANK				W			1		
			RE						
		10-4-16							

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Martin Koennecke	10-4-16 / 14:55	OBG	[signature]	10-4-16 1455	SYR
[signature]	10-4-16, 19:00	Syr	[signature]	10-5-16 0115	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.2 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-106992-1

Login Number: 106992
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	