March 15, 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 fourth quarter of 2015 (October 2, 2015 through December 31, 2015). 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 December 31, 2015, a total of 108,195,060 gallons of groundwater have been treated since startup on February 5, 1996. Since October 2, 2015, 665,640 gallons of groundwater have been treated: 179,800 gallons from recovery well RW-1; 485,570 gallons from recovery well RW-2; and 270 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 October, November and December 2015 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.

The carbon in granular activated carbon filter GAC#1 was replaced on December 15, 2015 and afterward filter GAC#2 was placed into lead service and GAC#1 placed into lag service.

ACTIVITIES SCHEDULED

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

333 West Washington Street, PO Box 4873
Syracuse, NY 13221-4873

p 315-956-6100
f 315-463-7554

OBG
www.obg.com

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

	Monitoring Requirements													
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 9/30/2015	Effluent 10/1/2015	Effluent 10/2/2015	Effluent 10/8/2015	Effluent 10/9/2015	Effluent 10/12/2015	Effluent 10/16/2015	Effluent 10/19/2015	Effluent 10/20/2015	Effluent 10/22/2015
Flow (GPD)	Monitor	150000	Continuous	Meter	7610	7720	7980	8323	8150	8270	8245	8040	7910	7960
pH (SU)	6.5-8.5		2/Week	Grab	7.61	7.62	7.61	7.61	7.62	7.63	7.62	7.64	7.64	7.66
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	---	---	---	4 U	---	4 U	---	---	---	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	---	---	677	---	696	---	---	---	---
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	1 U	---	---	---	1 U	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	1 U	---	---	---	1 U	---	---
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	---	---	---	1 U	---	---	---	1 U	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	---	---	---	1 U	---	---	---	1 U	---	---
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	1 U	---	---	---	1 U	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	---	---	1 U	---	---	---	1 U	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	1 U	---	---	---	1 U	---	---

Notes:

- Not analyzed, NA - Data Not available

U - Not Detected, J - Estimated, H - Holding times for preparation or analyses exceeded

B - Compound found in the blank and sample

(1) Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

Table 1
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Fayetteville, New York
Monitoring Requirements and Effluent Data

	Monitoring Requirements													
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 10/23/2015	Effluent 10/26/2015	Effluent 10/28/2015	Effluent 10/30/2015	Effluent 11/2/2015	Effluent 11/5/2015	Effluent 11/6/2015	Effluent 11/9/2015	Effluent 11/12/2015	Effluent 11/13/2015
Flow (GPD)	Monitor	150000	Continuous	Meter	7910	7793	7650	7789	7802	7707	7680	7568	7505	7484
pH (SU)	6.5-8.5		2/Week	Grab	7.64	7.66	7.64	7.65	7.66	7.67	7.67	7.67	7.7	7.68
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	---		---	---	---	4 U	---	---	---	4 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	---	---	---	---	685	---	---	---	665
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	---	---	---	---	---	0.0002 U	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---	---	0.0065 J	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	0.42	---	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---

Notes:

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(1) Minimum monitoring requirements based on SPEDES permit modified November, 21, 1997.

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Fayetteville, New York
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	Monitoring Requirements													
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 11/16/2015	Effluent 11/19/2015	Effluent 11/20/2015	Effluent 11/23/2015	Effluent 11/25/2015	Effluent 11/30/2015	Effluent 12/1/2015	Effluent 12/3/2015	Effluent 12/7/2015	Effluent 12/8/2015
Flow (GPD)	Monitor	150000	Continuous	Meter	7233	7222	7100	7036	6868	6769	6550	6606	6655	6780
pH (SU)	6.5-8.5		2/Week	Grab	7.68	7.68	7.7	7.7	7.68	7.7	7.7	7.8	7.76	7.74
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.		10		4 U		4 U	---	---	---	4 U
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	686	---	864	---	686	---	---	---	645
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	1 U	---	---	---	---	---	---	---	1 U
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	1 U	---	---	---	---	---	---	---	1 U
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	---	1 U	---	---	---	---	---	---	---	1 U
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	---	1 U	---	---	---	---	---	---	---	1 U
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	---	1 U	---	---	---	---	---	---	---	1 U
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	1 U	---	---	---	---	---	---	---	1 U
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	1 U	---	---	---	---	---	---	---	1 U

Notes:

- Not analyzed, NA - Data Not available

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	Monitoring Requirements													
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 12/10/2015	Effluent 12/11/2015	Effluent 12/14/2015	Effluent 12/15/2015	Effluent 12/18/2015	Effluent 12/18/2015	Effluent 12/21/2015	Effluent 12/23/2015	Effluent 12/28/2015	Effluent 12/22/2015
Flow (GPD)	Monitor	150000	Continuous	Meter	6765	6690	6615	6560	6517	6473	6490	6520	6614	6671
pH (SU)	6.5-8.5		2/Week	Grab	7.68	7.68	7.7	7.6	8.1	7.94	7.9	7.88	7.85	7.92
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	---	---	4 U	---	---	---	5.6	---	4 U	---
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	---	646	---	---	---	651	---	680	---
Mercury, total (mg/L)	Monitor	0.0008	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---	---
Zinc, total (mg/L)	Monitor	0.3	Quarterly	3-hr comp.	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
trans-1,2-Dichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
Methylene chloride (ug/L)	Monitor	20	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
1,1,2,2-Tetrachloroethane (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
Tetrachloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
Toluene (ug/L)	Monitor	20	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---
Trichloroethene (ug/L)	Monitor	10	2/Month	Grab	---	---	---	---	---	1 U	---	---	---	---

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Fayetteville, New York
Monitoring Requirements and Effluent Data

	Monitoring Requirements													
Analyte (units)	Discharge Limitation Daily Average	Discharge Limitation Daily Maximum	Minimum Measurement Frequency (1)	Sample Type	Effluent 12/30/2015	Effluent 12/31/2015	Effluent 1/4/2016							
Flow (GPD)	Monitor	150000	Continuous	Meter	6812	6890	7103							
pH (SU)	6.5-8.5		2/Week	Grab	7.94	7.9	7.92							
Residue, non-filterable (mg/L)	Monitor	20	Weekly	3-hr comp.	---	---	---							
Total dissolved solids (TDS) (mg/L)	Monitor	Monitor	Weekly	3-hr comp.	---	---	---							
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 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.

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Fayetteville, New York
Groundwater Elevation Summary Table

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

Notes:

NI-Well not installed at time of monitoring, NA-Data not available, AB-Well was abandoned, --- Water level not monitored, (B)-Bedrock groundwater monitoring well,
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Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 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 - 5(	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

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

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 4/18/1996	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 - 5(	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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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*			-	---	---	---	---	---	-7.38	-10.22	-9.96	-10.43	-10.41
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

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

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 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*			-	-10.39	-10.35	-10.3	-10.33	-10.2	-10.2	-10.33	-10.4	-10.23	-10.12
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	---	---	---	---	---	---	---

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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) 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*			-	-10.35	-10.35	-10.45	-11.12	-10.5	-10.44	-10.4	-10.36	-10.48	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 - 5(	---	---	---	---	---	---	---	---	---	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.
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Table 2
Former Accurate Die Casting Site
Fayetteville, New York
Groundwater Elevation Summary Table

Well ID	Ground Elevation (ft)	Well Casing Elevation (ft)	Screen Interval Elevation (ft)	Groundwater Elevation (ft) 4/18/2013	Groundwater Elevation (ft) 10/1/2013	Groundwater Elevation (ft) 4/16/2014	Groundwater Elevation (ft) 9/18/2014	Groundwater Elevation (ft) 3/31/2015	Groundwater Elevation (ft) 9/16/2015				
MW-01	99.36	101.11	75.4 - 85.4	78.43	75.06	77.29	75.07	80.26	75.07				
MW-02	91.8	94.68	76.6 - 86.6	84.68	83.36	85.18	83.06	85.18	83.06				
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				
MW-06	77.46	79.38	46.4 - 56.4	60.98	60.04	61.35	59.94	60.02	59.88				
MW-07 (B)	75.66	78.34	34.3 - 44.3	54.12	53.14	54.82	52.29	53.28	52.24				
MW-08	88.21	91.78	53.9 - 63.9	65.6	62.66	68.38	61.32	63.93	61.36				
MW-09	102.44	104.03	49.7 - 59.7	60.71	60.05	61.43	59.97	60.01	59.88				
MW-10 (B)	97.51	97.27	43 - 53	58.67	55.39	61.91	54.73	54.25	54.85				
MW-11 (B)	91.48	93.8	43.1 - 53.1	57.48	54.10	60.5	53.54	53.15	53.55				
MW-12	93.62	94.14	51.9 - 61.9	60.88	60.24	61.56	60.16	60.22	60.09				
MW-13	98.8	98.7	77.7 - 87.7	Dry	78.00	79.94	79.3	78.74	78.3				
MW-14	98.76	100.62	74.6 - 84.6	82.54	82.82	82.8	82.88	84.8	83.2				
MW-15 (B)	96.1	98.9	32.7 - 42.7	60.12	57.65	63.3	56.34	55.06	56.68				
MW-16 (B)	98.5	100.85	50.8 - 60.8	67.15	64.75	69.49	64.19	64.2	64.29				
MW-17	66.9	69.24	53.7 - 63.7	59.88	58.24	60.36	58.08	58.7	58				
MW-18	76.5	78.29	61.5 - 71.5	74.27	71.07	74.83	70.77	73.63	70.23				
MW-19	69.5	71.27	46.5 - 56.5	Dry	Dry	Dry	Dry	Dry	47.13				
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				
MW-22	71.5	73.34	60.9 - 65.9	68.3	66.39	68.04	66.8	68.18	66.92				
MW-23 (B)	89.8	91.72	17.3 - 22.3	38.6	36.86	40.38	36.22	36.12	36.54				
MW-24*			-	Dry	-11.12	-10.1	-11.14	-10.3	-11.15				
PZ-01	81.8	83.95	49.8 - 59.8	60.69	60.07	61.39	59.97	60.03	59.89				
PZ-02	80.6	83.06	42.8 - 52.8	60.51	59.88	61.14	59.78	59.84	59.72				
RW-01	78.4	80.28	.4 - 39.4, 45.4 - 5(	34.88	34.38	34.88	34.88	33.93	34.14				
RW-02 (B)	91.58	95.18	-	54.73	44.02	58.94	44.18	44.8	43.54				
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:

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

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

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

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

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

Sample Date / 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:

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-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

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	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

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.

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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

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	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:

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

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

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

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

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

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

Notes:

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

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

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

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

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

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

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

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-07	10/21/1996	1 U	1 U	1 U	1 U
MW-07	10/22/1997	1 U	1 U	1 U	1 U
MW-07	10/20/1998	1 U	1 U	1 U	1 U
MW-07	10/19/1999	1 U	1 U	1 U	1 U
MW-07	11/9/2001	1 U	1 U	1 U	1 U
MW-08	10/22/1996	1 U	1 U	1 U	1 U
MW-08	10/21/1998	1 U	1 U	1 U	1 U
MW-08	10/19/1999	1 U	1 U	1 U	1 U
MW-08	11/7/2000	1 U	1 U	1 U	1 U
MW-08	11/8/2001	1 U	1 U	1 U	1 U
MW-09	1/17/1996	---	5 U	5 U	---
MW-09	4/10/1996	---	1 U	1 U	---
MW-09	7/16/1996	1 U	1 U	1 U	1 U
MW-09	10/21/1996	1 U	1 U	1 U	1 U
MW-09	1/16/1997	5 U	5 U	5 U	5 U
MW-09	4/15/1997	2 U	2 U	2 U	2 U
MW-09	7/8/1997	5 U	5 U	5 U	5 U
MW-09	10/22/1997	5 U	5 U	5 U	5 U
MW-09	1/29/1998	5 U	5 U	5 U	5 U
MW-09	4/15/1998	5 U	5 U	5 U	5 U
MW-09	10/20/1998	2 U	2 U	2 U	2 U
MW-09	4/29/1999	2 U	2 U	2 U	2 U
MW-09	10/19/1999	5 U	5 U	5 U	5 U
MW-09	4/6/2000	2 U	2 U	2 U	2 U
MW-09	11/8/2000	2 U	2 U	2 U	2 U
MW-09	7/3/2001	2 U	2 U	2 U	2 U
MW-09	11/10/2001	2 U	2 U	2 U	2 U
MW-09	10/11/2002	2 U	2 U	2 U	2 U
MW-09	12/8/2003	2 U	2 U	2 U	2 U
MW-09	11/9/2005	2.50 U	2.50 U	2.50 U	2.50 U
MW-09	1/2/2007	2.5 U	2.5 U	2.5 U	2.5 U
MW-09	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-09	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-09	11/20/2009	2.5 U	2.5 U	2.5 U	2.5 U
MW-09	11/17/2010	2.5 U	2.5 U	2.5 U	2.5 U
MW-09	11/29/2011	2.5 U	2.5 U	2.5 U	2.5 U
MW-09	11/28/2012	1.25 U	1.25 U	1.25 U	1.25 U
MW-09	10/1/2013	1 U	1 U	1 U	1 U
MW-09	9/18/2014	1 U	1 U	1 U	1 U
MW-09	9/16/2015	1 U	1 U	1 U	1 U
MW-10	1/17/1996	---	20 U	20 U	---
MW-10	4/10/1996	---	50 U	50 U	---
MW-10	7/16/1996	50 U	50 U	50 U	50 U
MW-10	10/22/1996	50 U	50 U	50 U	50 U
MW-10	1/16/1997	100 U	100 U	100 U	100 U
MW-10	4/16/1997	100 U	100 U	100 U	100 U
MW-10	10/23/1997	50 U	50 U	50 U	50 U
MW-10	4/15/1998	50 U	50 U	50 U	50 U
MW-10	10/21/1998	50 U	50 U	50 U	50 U
MW-10	4/29/1999	25 U	25 U	25 U	25 U
MW-10	10/20/1999	25 U	25 U	25 U	25 U
MW-10	4/6/2000	20 U	20 U	20 U	20 U
MW-10	11/8/2000	20 U	20 U	20 U	20 U
MW-10	7/3/2001	20 U	20 U	20 U	20 U
MW-10	11/10/2001	20 U	20 U	20 U	20 U
MW-10	4/3/2002	20 U	20 U	20 U	20 U
MW-10	10/10/2002	20 U	20 U	20 U	20 U
MW-10	5/1/2003	20 U	20 U	20 U	20 U
MW-10	12/8/2003	20 U	20 U	20 U	20 U

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	7/19/2004	10 U	10 U	10 U	10 U
MW-10	4/8/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-10	4/21/2006	10 U	10 U	10 U	10 U
MW-10	2/7/2007	10 U	10 U	10 U	10 U
MW-10	5/31/2007	10 U	10 U	10 U	10 U
MW-10	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-10	5/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-10	11/1/2008	5 U	5 U	5 U	5 U
MW-10	4/22/2009	10 U	10 U	10 U	10 U
MW-10	11/20/2009	10 U	10 U	10 U	10 U
MW-10	4/30/2010	10 U	10 U	10 U	10 U
MW-10	11/17/2010	10 U	10 U	10 U	10 U
MW-10	5/12/2011	10 U	10 U	10 U	10 U
MW-10	11/29/2011	10 U	10 U	10 U	10 U
MW-10	5/22/2012	5 U	5 U	5 U	5 U
MW-10	11/28/2012	1 U	1 U	1 U	1 U
MW-10	4/18/2013	25 U	25 U	25 U	25 U
MW-10	10/1/2013	1 U	1 U	1 U	1 U
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-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

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

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-12	10/21/1996	1 U	1 U	1 U	1 U
MW-12	10/22/1997	1 U	1 U	1 U	1 U
MW-12	10/20/1998	1 U	1 U	1 U	1 U
MW-12	10/19/1999	1 U	1 U	1 U	1 U
MW-12	11/8/2000	1 U	1 U	1 U	1 U
MW-12	11/9/2001	1 U	1 U	1 U	1 U
MW-12	10/10/2002	1 U	1 U	**2**	1 U
MW-12	12/8/2003	1 U	1 U	1 U	1 U
MW-12	12/28/2004	0.50 U	0.50 U	0.50 U	0.50 U
MW-12	11/9/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-12	1/2/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	5/31/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/20/2009	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/17/2010	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	11/28/2012	0.5 U	0.5 U	0.5 U	0.5 U
MW-12	10/1/2013	1 U	1 U	1 U	1 U
MW-12	9/18/2014	1 U	1 U	1 U	1 U
MW-12	9/16/2015	1 U	1 U	1 U	1 U
MW-13	10/24/1996	10 U	10 U	10 U	10 U
MW-13	10/23/1997	50 U	50 U	50 U	50 U
MW-13	10/21/1998	25 U	25 U	25 U	25 U
MW-13	10/20/1999	20 U	20 U	20 U	20 U
MW-13	11/9/2000	20 U	20 U	20 U	20 U
MW-13	11/8/2001	20 U	20 U	20 U	20 U
MW-13	6/11/2002	20 U	20 U	20 U	20 U
MW-13	10/11/2002	20 U	20 U	20 U	20 U
MW-13	4/8/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-13	4/21/2006	5 U	5 U	5 U	5 U
MW-13	2/7/2007	5 U	5 U	5 U	5 U
MW-13	5/31/2007	5 U	5 U	5 U	5 U
MW-13	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-13	5/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-13	11/1/2008	NS	NS	NS	NS
MW-13	4/30/2010	5 U	5 U	5 U	5 U
MW-13	11/17/2010	5 U	5 U	5 U	5 U
MW-13	11/29/2011	5 U	5 U	5 U	5 U
MW-13	5/22/2012	5 U	5 U	5 U	5 U
MW-13	11/28/2012	5 U	5 U	5 U	5 U
MW-13	4/18/2013	5 U	5 U	5 U	5 U
MW-13	10/1/2013	1 U	1 U	1 U	1 U
MW-13	4/16/2014	1 U	1 U	1 U	1 U
MW-13	9/18/2014	4 U	4 U	4 U	4 U
MW-13	3/31/2015	4 U	4 U	4 U	4 U
MW-13	9/16/2015	4 U	4 U	4 U	4 U
MW-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

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	5/1/2003	5 U	5 U	5 U	5 U
MW-14	12/8/2003	10 U	10 U	10 U	10 U
MW-14	12/28/2004	5.0 U	5.0 U	5.0 U	5.0 U
MW-14	11/9/2005	5.00 U	5.00 U	5.00 U	5.00 U
MW-14	1/2/2007	5 U	5 U	5 U	5 U
MW-14	11/29/2007	**0.94**	0.5 U	0.5 U	0.5 U
MW-14	11/1/2008	1	0.5 U	0.5 U	0.5 U
MW-14	11/20/2009	12.5 U	12.5 U	12.5 U	12.5 U
MW-14	11/17/2010	10 U	10 U	10 U	10 U
MW-14	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-14	11/28/2012	2.5 U	2.5 U	2.5 U	2.5 U
MW-14	10/1/2013	**200**	0.49 J	1 U	0.93 J
MW-14	9/18/2014	4 U	4 U	4 U	4 U
MW-14	9/16/2015	4 U	4 U	4 U	4 U
MW-15	10/22/1996	1 U	1 U	1 U	1 U
MW-15	10/22/1997	1 U	1 U	1 U	1 U
MW-15	10/21/1998	1 U	1 U	1 U	1 U
MW-15	10/19/1999	1 U	1 U	1 U	1 U
MW-15	11/9/2000	1 U	1 U	1 U	1 U
MW-15	11/8/2001	1 U	1 U	1 U	1 U
MW-15	10/11/2002	1 U	1 U	1 U	1 U
MW-15	12/8/2003	1 U	1 U	1 U	1 U
MW-15	12/28/2004	0.50 U	0.50 U	0.50 U	0.50 U
MW-15	11/9/2005	**2.19**	0.50 U	0.50 U	0.50 U
MW-15	1/2/2007	**1.8**	0.5 U	0.5 U	0.5 U
MW-15	11/29/2007	**1.7**	0.5 U	0.5 U	0.5 U
MW-15	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-15	11/20/2009	0.71	0.5 U	0.5 U	0.5 U
MW-15	11/17/2010	0.5 U	0.5 U	0.5 U	0.5 U
MW-15	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-15	11/28/2012	0.5 U	0.5 U	0.5 U	0.5 U
MW-15	10/1/2013	1 U	1 U	1 U	1 U
MW-15	9/18/2014	1 U	1 U	1 U	1 U
MW-15	9/16/2015	1 U	1 U	1 U	1 U
MW-16	10/22/1996	1 U	1 U	1 U	1 U
MW-16	10/22/1997	1 U	1 U	1 U	1 U
MW-16	10/21/1998	1 U	1 U	1 U	1 U
MW-16	10/19/1999	1 U	1 U	1 U	1 U
MW-16	11/9/2000	1 U	1 U	1 U	1 U
MW-16	11/8/2001	1 U	1 U	1 U	1 U
MW-16	10/11/2002	1 U	1 U	1 U	1 U
MW-16	12/8/2003	1 U	1 U	1 U	1 U
MW-16	12/28/2004	0.50 U	0.50 U	0.50 U	0.50 U
MW-16	11/9/2005	0.50 U	0.50 U	0.50 U	0.50 U
MW-16	1/2/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/29/2007	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/1/2008	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/20/2009	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/17/2010	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/29/2011	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	11/28/2012	0.5 U	0.5 U	0.5 U	0.5 U
MW-16	10/1/2013	1 U	1 U	1 U	1 U
MW-16	9/18/2014	1 U	1 U	1 U	1 U
MW-16	9/16/2015	1 U	1 U	1 U	1 U

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

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

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

Location ID	Chemical Name Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-18	04/22/2009	**79.5**	25 U	25 U	25 U
MW-18	11/20/2009	**125**	25 U	25 U	25 U
MW-18	04/30/2010	**38.5**	25 U	25 U	25 U
MW-18	11/17/2010	**99**	25 U	25 U	25 U
MW-18	5/21/2011	**73.5**	25 U	25 U	25 U
MW-18	11/29/2011	**109**	25 U	25 U	25 U
MW-18	5/22/2012	**74**	25 U	25 U	25 U
MW-18	11/28/2012	**144**	25 U	25 U	25 U
MW-18	4/18/2013	**70.5**	25 U	25 U	25 U
MW-18	10/1/2013	**210**	0.42 J	1 U	0.9 J
MW-18	4/16/2014	**76**	1 U	1.0 U	1 U
MW-18	9/18/2014	**270**	1 U	10 U	1 U
MW-18	3/31/2015	**210**	10 U	10 U	10 U
MW-18	9/16/2015	**430 F1**	10 U	10 U	10 U
MW-20	5/24/1996	**46**	1 U	1 U	1 U
MW-21	1/21/1997	**650**	100 U	100 U	100 U
MW-21	4/16/1997	**630**	50 U	50 U	50 U
MW-21	7/8/1997	**770**	50 U	50 U	50 U
MW-21	10/23/1997	**800**	50 U	50 U	50 U
MW-21	1/29/1998	**350**	10 U	10 U	10 U
MW-21	4/16/1998	**1400**	50 U	50 U	50 U
MW-21	10/21/1998	**340**	50 U	50 U	50 U
MW-21	4/29/1999	**2100**	100 U	100 U	100 U
MW-21	10/19/1999	**670**	20 U	20 U	20 U
MW-21	4/6/2000	**140**	5 U	5 U	5 U
MW-21	11/7/2000	**220**	5 U	5 U	5 U
MW-21	7/3/2001	**130**	5 U	5 U	5 U
MW-21	11/10/2001	**240**	5 U	5 U	5 U
MW-21	12/8/2003	**32**	1 U	1 U	1 U
MW-21	12/28/2004	**2.8**	0.50 U	0.50 U	0.50 U
MW-21	11/9/2005	**20**	0.50 U	0.50 U	0.50 U
MW-21	1/2/2007	**15.4**	0.5 U	0.5 U	0.5 U
MW-21	11/29/2007	**25**	0.5 U	0.5 U	0.5 U
MW-21	11/1/2008	**45.2**	0.5 U	0.5 U	0.5 U
MW-21	11/20/2009	**40.7**	1 U	1 U	1 U
MW-21	11/17/2010	**22.6**	1 U	1 U	1 U
MW-21	11/29/2011	**18.8**	0.5 U	0.5 U	0.5 U
MW-21	11/28/2012	**71**	2.5 U	2.5 U	2.5 U
MW-21	10/1/2013	**28**	1 U	1 U	1 U
MW-21	9/18/2014	**30**	1 U	1 U	1 U
MW-21	9/16/2015	40	1 U	1 U	1 U
MW-22	1/21/1997	**5**	1 U	1 U	1 U
MW-22	4/16/1997	**4**	1 U	1 U	1 U
MW-22	7/8/1997	**9**	1 U	1 U	1 U
MW-22	10/23/1997	**22**	1 U	1 U	1 U
MW-22	1/29/1998	**11**	1 U	1 U	1 U
MW-22	4/16/1998	**22**	1 U	1 U	1 U
MW-22	10/21/1998	**35**	1 U	1 U	1 U
MW-22	4/29/1999	**24**	1 U	1 U	1 U
MW-22	10/19/1999	**28**	1 U	1 U	1 U
MW-22	4/6/2000	**26**	1 U	1 U	1 U
MW-22	11/9/2000	**29**	1 U	1 U	1 U
MW-22	7/3/2001	**37**	1 U	1 U	1 U

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

Location ID	Chemical Name / Sample Date	cis-1,2-Dichloroethene ug/l	Tetrachloroethene ug/l	Toluene ug/l	trans-1,2-Dichloroethene ug/l
MW-22	11/10/2001	**36**	1 U	1 U	1 U
MW-22	10/11/2002	**51**	1 U	1 U	1 U
MW-22	12/8/2003	**52**	2 U	2 U	2 U
MW-22	12/28/2004	**47**	1.0 U	1.0 U	**1.1**
MW-22	11/9/2005	**56.3**	1.00 U	1.00 U	1.00 U
MW-22	1/2/2007	**38.4**	1 U	1 U	1 U
MW-22	11/29/2007	**37**	0.5 U	0.5 U	**0.77**
MW-22	11/1/2008	**31.2**	0.5 U	0.5 U	**0.92**
MW-22	11/20/2009	**30.6**	1 U	1 U	1 U
MW-22	11/17/2010	**30.5**	1 U	1 U	1 U
MW-22	11/29/2011	**33.4**	0.5 U	0.5 U	**1.16**
MW-22	11/28/2012	**37.2**	1 U	1 U	**1.24**
MW-22	10/1/2013	**48**	1 U	1 U	**2.4**
MW-22	9/18/2014	**53**	1 U	1 U	**5**
MW-22	9/16/2015	**54**	1 U	1 U	**5.2**
MW-23	4/15/1997	1 U	1 U	1 U	1 U
MW-23	7/8/1997	1 U	1 U	1 U	1 U
MW-23	10/22/1997	1 U	1 U	1 U	1 U
MW-23	1/29/1998	1 U	1 U	1 U	1 U
MW-23	10/21/1998	1 U	1 U	1 U	1 U
MW-23	10/19/1999	1 U	1 U	1 U	1 U
MW-23	11/7/2000	1 U	1 U	1 U	1 U
MW-23	11/8/2001	1 U	1 U	1 U	1 U
MW-24	11/9/1998	**2600**	200 U	200 U	200 U
MW-24	4/29/1999	**1600**	100 U	100 U	100 U
MW-24	10/19/1999	**3000**	100 U	100 U	100 U
MW-24	4/6/2000	**250**	20 U	20 U	20 U
MW-24	11/7/2000	**1200**	50 U	50 U	50 U
MW-24	7/3/2001	**400**	50 U	50 U	50 U
MW-24	11/10/2001	**2100**	50 U	50 U	50 U
MW-24	6/11/2002	**680**	50 U	50 U	50 U
MW-24	5/1/2003	**410**	10 U	10 U	10 U
MW-24	12/8/2003	**81**	10 U	10 U	10 U
MW-24	7/19/2004	**680**	10 U	10 U	10 U
MW-24	12/28/2004	**69**	5.0 U	5.0 U	5.0 U
MW-24	4/8/2005	**44**	2.0 U	2.0 U	2.0 U
MW-24	11/9/2005	**75.6**	2.50 U	2.50 U	2.50 U
MW-24	4/21/2006	**180**	2.5 U	2.5 U	2.5 U
MW-24	1/2/2007	**5.15**	2.5 U	2.5 U	2.5 U
MW-24	5/31/2007	**45.7**	2.5 U	2.5 U	2.5 U
MW-24	11/29/2007	**42**	0.5 U	0.5 U	0.5 U
MW-24	5/1/2008	**8.21**	0.5 U	0.5 U	0.5 U
MW-24	11/1/2008	**51.9**	5 U	5 U	5 U
MW-24	04/22/2009	**8.1**	5 U	5 U	5 U
MW-24	04/30/2010	**11**	2.5 U	2.5 U	2.5 U
MW-24	11/17/2010	**212**	2.5 U	2.5 U	2.5 U
MW-24	5/21/2011	**492**	5 U	5 U	5 U
MW-24	11/29/2011	**43.3**	5 U	5 U	5 U
MW-24	5/22/2012	**36.9**	5 U	5 U	5 U
MW-24	11/28/2012	**111**	25 U	25 U	25 U
MW-24	4/18/2013	**43**	25 U	25 U	25 U
MW-24	10/1/2013	**150**	1 U	1 U	1.9
MW-24	4/16/2014	**89**	1 U	1 U	1.2
MW-24	9/18/2014	**110**	5 U	5 U	5 U
MW-24	3/31/2015	**14**	5 U	5 U	5 U
MW-24	9/16/2015	**150**	5 U	5 U	5 U

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

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

Notes: U - Not detected, NS - Not sampled, --- - Not Analyzed, Detects in BOLD.
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: 480-88783-1
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:
10/21/2015 11:16:47 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@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: 480-88783-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-88783-1

Receipt
The samples were received on 10/9/2015 2:30 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
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: 480-88783-1

Client Sample ID: EFFLUENT 100815 — Lab Sample ID: 480-88783-1

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

Client Sample ID: BETWEEN CARBONS 100815 — Lab Sample ID: 480-88783-2

No Detections.

Client Sample ID: EFFLUENT 100815 — Lab Sample ID: 480-88783-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 100815

Lab Sample ID: 480-88783-1
Date Collected: 10/08/15 07:10
Matrix: Water
Date Received: 10/09/15 02:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	677		10.0	4.0	mg/L			10/13/15 17:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/11/15 08:36	1

Client Sample ID: BETWEEN CARBONS 100815

Lab Sample ID: 480-88783-2
Date Collected: 10/08/15 07:10
Matrix: Water
Date Received: 10/09/15 02:30

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			10/19/15 14:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/15 14:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/15 14:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/15 14:40	1
Toluene	ND		1.0	0.51	ug/L			10/19/15 14:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/15 14:40	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/15 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*10/19/15 14:40*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/19/15 14:40*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*		*10/19/15 14:40*	*1*
Dibromofluoromethane (Surr)	*113*		*60 - 140*		*10/19/15 14:40*	*1*

Client Sample ID: EFFLUENT 100815

Lab Sample ID: 480-88783-3
Date Collected: 10/08/15 07:10
Matrix: Water
Date Received: 10/09/15 02:30

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			10/19/15 15:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/15 15:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/15 15:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/15 15:07	1
Toluene	ND		1.0	0.51	ug/L			10/19/15 15:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/15 15:07	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/15 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*10/19/15 15:07*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/19/15 15:07*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*		*10/19/15 15:07*	*1*
Dibromofluoromethane (Surr)	*114*		*60 - 140*		*10/19/15 15:07*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-88783-1

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)
480-88783-2	BETWEEN CARBONS 100815	107	107	113	113
480-88783-3	EFFLUENT 100815	109	109	115	114
LCS 480-269571/8	Lab Control Sample	121	111	114	117
MB 480-269571/7	Method Blank	107	109	115	112

Surrogate Legend

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

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

Lab Sample ID: MB 480-269571/7
Matrix: Water
Analysis Batch: 269571

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/15 13:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/15 13:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/15 13:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/15 13:07	1
Toluene	ND		1.0	0.51	ug/L			10/19/15 13:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/15 13:07	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/15 13:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*10/19/15 13:07*	*1*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*		*10/19/15 13:07*	*1*
Toluene-d8 (Surr)	*115*		*71 - 126*		*10/19/15 13:07*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*10/19/15 13:07*	*1*

Lab Sample ID: LCS 480-269571/8
Matrix: Water
Analysis Batch: 269571

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	23.1		ug/L		92	74 - 124
Tetrachloroethene	25.0	29.1		ug/L		116	74 - 122
Toluene	25.0	25.1		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	24.2		ug/L		97	73 - 127
Trichloroethene	25.0	24.7		ug/L		99	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*121*		*66 - 137*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*
Toluene-d8 (Surr)	*114*		*71 - 126*
Dibromofluoromethane (Surr)	*117*		*60 - 140*

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

Lab Sample ID: MB 480-268127/1
Matrix: Water
Analysis Batch: 268127

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			10/11/15 08:36	1

Lab Sample ID: LCS 480-268127/2
Matrix: Water
Analysis Batch: 268127

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	227	225.6		mg/L		99	88 - 110

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

Lab Sample ID: 480-88783-1 DU
Matrix: Water
Analysis Batch: 268127

Client Sample ID: EFFLUENT 100815
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 480-268565/1
Matrix: Water
Analysis Batch: 268565

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			10/13/15 17:41	1

Lab Sample ID: LCS 480-268565/2
Matrix: Water
Analysis Batch: 268565

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	525.0		mg/L		105	85 - 115		

QC Association Summary

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

TestAmerica Job ID: 480-88783-1

GC/MS VOA

Analysis Batch: 269571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88783-2	BETWEEN CARBONS 100815	Total/NA	Water	8260C	
480-88783-3	EFFLUENT 100815	Total/NA	Water	8260C	
LCS 480-269571/8	Lab Control Sample	Total/NA	Water	8260C	
MB 480-269571/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 268127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88783-1	EFFLUENT 100815	Total/NA	Water	SM 2540D	
480-88783-1 DU	EFFLUENT 100815	Total/NA	Water	SM 2540D	
LCS 480-268127/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-268127/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 268565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88783-1	EFFLUENT 100815	Total/NA	Water	SM2540 C	
LCS 480-268565/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-268565/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-88783-1

Client Sample ID: EFFLUENT 100815
Lab Sample ID: 480-88783-1
Date Collected: 10/08/15 07:10
Matrix: Water
Date Received: 10/09/15 02:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	268127	10/11/15 08:36	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	268565	10/13/15 17:41	MGH	TAL BUF

Client Sample ID: BETWEEN CARBONS 100815
Lab Sample ID: 480-88783-2
Date Collected: 10/08/15 07:10
Matrix: Water
Date Received: 10/09/15 02:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269571	10/19/15 14:40	GVF	TAL BUF

Client Sample ID: EFFLUENT 100815
Lab Sample ID: 480-88783-3
Date Collected: 10/08/15 07:10
Matrix: Water
Date Received: 10/09/15 02:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	269571	10/19/15 15:07	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: 480-88783-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-88783-1

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: 480-88783-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88783-1	EFFLUENT 100815	Water	10/08/15 07:10	10/09/15 02:30
480-88783-2	BETWEEN CARBONS 100815	Water	10/08/15 07:10	10/09/15 02:30
480-88783-3	EFFLUENT 100815	Water	10/08/15 07:10	10/09/15 02:30

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

480-88783 Chain of Custody

Client Information	Sampler: Martin Koenrade	Lab PM: Deyo, Melissa L	
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com	
Company: O'Brien & Gere Inc of North America		Analysis	
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:		
City: East Syracuse	TAT Requested (days):		
State, Zip: NY, 13221			
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST		
Email: Yuri.Veliz@obg.com	WO #:		
Project Name: Former Accurate Die Cast	Project #: 48008584		
Site:	SSOW#:		

Notes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds												Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	A													
Effluent 100815	10-8-15	7:10	C	Water			1	1													3	
Between Carbons 100815	10-8-15	7:10	G	Water					3												3	
Effluent 100815	10-8-15	7:10	G	Water					3												3	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Martin Koenrade	10-8-15 / 9:45	OBG	[signature]	10-8-15	9:45
2	[signature]	10-8-15 1900	SVR	[signature]	10-9-15 0230	TMS
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		1.7 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-88783-1

Login Number: 88783
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	

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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: 480-88942-1
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:
10/22/2015 11:25:47 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-88942-1

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: 480-88942-1

Job ID: 480-88942-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-88942-1

Receipt
The sample was received on 10/13/2015 2:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6° 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: 480-88942-1

Client Sample ID: EFFLUENT 101215

Lab Sample ID: 480-88942-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	696		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: 480-88942-1

Client Sample ID: EFFLUENT 101215
Date Collected: 10/12/15 06:45
Date Received: 10/13/15 02:15

Lab Sample ID: 480-88942-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**696**		10.0	4.0	mg/L			10/14/15 22:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/14/15 14:13	1

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

Lab Sample ID: MB 480-268782/1
Matrix: Water
Analysis Batch: 268782

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			10/14/15 14:13	1

Lab Sample ID: LCS 480-268782/2
Matrix: Water
Analysis Batch: 268782

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	228	244.0		mg/L		107	88 - 110

Lab Sample ID: 480-88942-1 DU
Matrix: Water
Analysis Batch: 268782

Client Sample ID: EFFLUENT 101215
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 480-268856/1
Matrix: Water
Analysis Batch: 268856

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			10/14/15 22:26	1

Lab Sample ID: LCS 480-268856/2
Matrix: Water
Analysis Batch: 268856

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	503.0		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: 480-88942-1

General Chemistry

Analysis Batch: 268782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88942-1	EFFLUENT 101215	Total/NA	Water	SM 2540D	
480-88942-1 DU	EFFLUENT 101215	Total/NA	Water	SM 2540D	
LCS 480-268782/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-268782/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 268856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88942-1	EFFLUENT 101215	Total/NA	Water	SM2540 C	
LCS 480-268856/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-268856/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-88942-1

Client Sample ID: EFFLUENT 101215

Lab Sample ID: 480-88942-1

Date Collected: 10/12/15 06:45

Matrix: Water

Date Received: 10/13/15 02:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	268782	10/14/15 14:13	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	268856	10/14/15 22:26	MGH	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-88942-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-88942-1

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: 480-88942-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88942-1	EFFLUENT 101215	Water	10/12/15 06:45	10/13/15 02:15

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

Client Information	Sampler: Martin Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-59359-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requ

480-88942 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 101215	10-12-15	6:45	C	Water			1	1	2	

RE 10-12-15

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Martin Koennecke	10-12-15 / 10:36	OBG	RE	10-12-15, 10:36	SyR
2	RE	10-12-15, 19:00	SyR		10-13-15 0215	TAB
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	0.6

Page 13 of 14

10/22/2015

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-88942-1

Login Number: 88942
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-89403-1
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:
10/30/2015 11:12:46 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

LINKS

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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: 480-89403-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-89403-1

Comments
No additional comments.

Receipt
The samples were received on 10/20/2015 2:00 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: 480-89403-1

Client Sample ID: EFFLUENT 101915 — Lab Sample ID: 480-89403-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	684		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: EFFLUENT 101915 — Lab Sample ID: 480-89403-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 101915

Lab Sample ID: 480-89403-1
Date Collected: 10/19/15 07:30
Matrix: Water
Date Received: 10/20/15 02:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**684**		10.0	4.0	mg/L			10/23/15 22:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/22/15 08:43	1

Client Sample ID: EFFLUENT 101915

Lab Sample ID: 480-89403-2
Date Collected: 10/19/15 07:30
Matrix: Water
Date Received: 10/20/15 02:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/29/15 00:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/29/15 00:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/29/15 00:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/29/15 00:00	1
Toluene	ND		1.0	0.51	ug/L			10/29/15 00:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/29/15 00:00	1
Trichloroethene	ND		1.0	0.46	ug/L			10/29/15 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*10/29/15 00:00*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/29/15 00:00*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*10/29/15 00:00*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*10/29/15 00:00*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-89403-1

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)
480-89403-2	EFFLUENT 101915	99	103	97	99
LCS 480-271719/4	Lab Control Sample	95	101	98	90
MB 480-271719/6	Method Blank	99	96	100	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 480-271719/6
Matrix: Water
Analysis Batch: 271719

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/28/15 22:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/28/15 22:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/28/15 22:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/28/15 22:52	1
Toluene	ND		1.0	0.51	ug/L			10/28/15 22:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/28/15 22:52	1
Trichloroethene	ND		1.0	0.46	ug/L			10/28/15 22:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*10/28/15 22:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/28/15 22:52*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*10/28/15 22:52*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*10/28/15 22:52*	*1*

Lab Sample ID: LCS 480-271719/4
Matrix: Water
Analysis Batch: 271719

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	21.4		ug/L		86	74 - 124
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	21.8		ug/L		87	73 - 127
Trichloroethene	25.0	22.6		ug/L		90	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Toluene-d8 (Surr)	*98*		*71 - 126*
Dibromofluoromethane (Surr)	*90*		*60 - 140*

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

Lab Sample ID: MB 480-270344/1
Matrix: Water
Analysis Batch: 270344

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			10/22/15 08:43	1

Lab Sample ID: LCS 480-270344/2
Matrix: Water
Analysis Batch: 270344

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	222.0		mg/L		98	88 - 110

QC Sample Results

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

TestAmerica Job ID: 480-89403-1

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-270835/1
Matrix: Water
Analysis Batch: 270835

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			10/23/15 22:42	1

Lab Sample ID: LCS 480-270835/2
Matrix: Water
Analysis Batch: 270835

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	476.0		mg/L		95	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-89403-1

GC/MS VOA

Analysis Batch: 271719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89403-2	EFFLUENT 101915	Total/NA	Water	8260C	
LCS 480-271719/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-271719/6	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 270344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89403-1	EFFLUENT 101915	Total/NA	Water	SM 2540D	
LCS 480-270344/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-270344/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 270835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-89403-1	EFFLUENT 101915	Total/NA	Water	SM2540 C	
LCS 480-270835/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-270835/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-89403-1

Client Sample ID: EFFLUENT 101915

Lab Sample ID: 480-89403-1

Date Collected: 10/19/15 07:30

Matrix: Water

Date Received: 10/20/15 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	270344	10/22/15 08:43	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	270835	10/23/15 22:42	MGH	TAL BUF

Client Sample ID: EFFLUENT 101915

Lab Sample ID: 480-89403-2

Date Collected: 10/19/15 07:30

Matrix: Water

Date Received: 10/20/15 02:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	271719	10/29/15 00:00	GTG	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-89403-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-89403-1

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: 480-89403-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-89403-1	EFFLUENT 101915	Water	10/19/15 07:30	10/20/15 02:00
480-89403-2	EFFLUENT 101915	Water	10/19/15 07:30	10/20/15 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 Koernecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-59347-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
Other:

480-89403 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2640D - Total Suspended Solids	2640C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	N	A	X	
Effluent 101915	10-19-15	730	C	Water			1	1		2	
Effluent 101915	10-19-15	7:30	G	water					3	3	

RE 10·19·15

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: 10-19-15 / 950	Company: OBG	Received by: [signature]	Date/Time: 10·19·15 09:50	Company: Tyr
Relinquished by: [signature]	Date/Time: 10·19·15 / 19:00	Company: Tyr	Received by: [signature]	Date/Time: 10-20-15 0200	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: 0.8 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-89403-1

Login Number: 89403
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: 480-90044-1
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:
11/11/2015 1:05:44 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: 480-90044-1

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: 480-90044-1

Job ID: 480-90044-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-90044-1

Receipt
The sample was received on 10/29/2015 2:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

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

Detection Summary

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

TestAmerica Job ID: 480-90044-1

Client Sample ID: EFFLUENT 102815

Lab Sample ID: 480-90044-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	646		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: 480-90044-1

Client Sample ID: EFFLUENT 102815
Date Collected: 10/28/15 07:00
Date Received: 10/29/15 02:15

Lab Sample ID: 480-90044-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**646**		10.0	4.0	mg/L			11/03/15 21:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/02/15 07:25	1

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

Lab Sample ID: MB 480-272476/1
Matrix: Water
Analysis Batch: 272476

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/02/15 07:25	1

Lab Sample ID: LCS 480-272476/2
Matrix: Water
Analysis Batch: 272476

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	216	214.0		mg/L		99	88 - 110

Lab Sample ID: 480-90044-1 DU
Matrix: Water
Analysis Batch: 272476

Client Sample ID: EFFLUENT 102815
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 480-272910/1
Matrix: Water
Analysis Batch: 272910

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/03/15 21:19	1

Lab Sample ID: LCS 480-272910/2
Matrix: Water
Analysis Batch: 272910

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	490.0		mg/L		98	85 - 115

Lab Sample ID: 480-90044-1 DU
Matrix: Water
Analysis Batch: 272910

Client Sample ID: EFFLUENT 102815
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	646		642.0		mg/L		0.6	10

QC Association Summary

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

TestAmerica Job ID: 480-90044-1

General Chemistry

Analysis Batch: 272476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90044-1	EFFLUENT 102815	Total/NA	Water	SM 2540D	
480-90044-1 DU	EFFLUENT 102815	Total/NA	Water	SM 2540D	
LCS 480-272476/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-272476/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 272910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90044-1	EFFLUENT 102815	Total/NA	Water	SM2540 C	
480-90044-1 DU	EFFLUENT 102815	Total/NA	Water	SM2540 C	
LCS 480-272910/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-272910/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-90044-1

Client Sample ID: EFFLUENT 102815
Date Collected: 10/28/15 07:00
Date Received: 10/29/15 02:15

Lab Sample ID: 480-90044-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	272476	11/02/15 07:25	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	272910	11/03/15 21:19	MGH	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-90044-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-90044-1

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: 480-90044-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-90044-1	EFFLUENT 102815	Water	10/28/15 07:00	10/29/15 02:15

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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Client Information	Sampler: MARTIN Koennecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-59360-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America		**Analysis Requested**		Job #:
Address: 333 West Washington St. PO BOX 4873	**Due Date Requested:**			**Preservation Codes:**
City: East Syracuse	**TAT Requested (days):**			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			**Other:**

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	N	X	
Effluent 102815	10-28-15	7:00	C	Water			1	1	2	

10-28-15 RE

480-90044 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Martin Koennecke	10-28-15 / 10:05	OBG	[illegible]	10-28-15, 10:05	Syr
R English	10-28-15, 19:00	Syr	[illegible]	10-29-15 0215	TAB

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

483325 - Syracuse SC

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-90044-1

Login Number: 90044
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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

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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: 480-90606-1
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:
11/20/2015 4:39:02 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: 480-90606-1

Qualifiers

GC/MS VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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: 480-90606-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-90606-1

Receipt
The samples were received on 11/6/2015 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT 110515 (480-90606-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The method blank for analytical batch 480-275367 contained Tetrachloroethene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

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

Detection Summary

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

TestAmerica Job ID: 480-90606-1

Client Sample ID: EFFLUENT 110515 — Lab Sample ID: 480-90606-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0065	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	685		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 110515 — Lab Sample ID: 480-90606-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.4		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.1	B	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	0.55	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: INFLUENT 110515 — Lab Sample ID: 480-90606-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0054	J	0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: EFFLUENT 110515 — Lab Sample ID: 480-90606-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.42	J B	1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: INFLUENT 110515 — Lab Sample ID: 480-90606-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.9		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.53	J B	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene - DL	340		10	4.6	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 110515

Lab Sample ID: 480-90606-1
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**0.0065**	**J**	0.010	0.0015	mg/L		11/09/15 08:05	11/09/15 15:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/15 08:45	11/10/15 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**685**		10.0	4.0	mg/L			11/11/15 19:45	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/12/15 06:38	1

Client Sample ID: BETWEEN CARBONS 110515

Lab Sample ID: 480-90606-2
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/15 14:26	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.81	ug/L			11/17/15 14:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/15 14:26	1
Tetrachloroethene	**1.1**	**B**	1.0	0.36	ug/L			11/17/15 14:26	1
Toluene	ND		1.0	0.51	ug/L			11/17/15 14:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/15 14:26	1
Trichloroethene	**0.55**	**J**	1.0	0.46	ug/L			11/17/15 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*11/17/15 14:26*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*11/17/15 14:26*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*11/17/15 14:26*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*11/17/15 14:26*	*1*

Client Sample ID: INFLUENT 110515

Lab Sample ID: 480-90606-3
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	**0.0054**	**J**	0.010	0.0015	mg/L		11/09/15 08:05	11/09/15 15:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/15 08:45	11/10/15 14:22	1

Client Sample ID: EFFLUENT 110515

Lab Sample ID: 480-90606-4
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/15 14:53	1

Client Sample ID: EFFLUENT 110515

Lab Sample ID: 480-90606-4
Matrix: Water
Date Collected: 11/05/15 07:00
Date Received: 11/06/15 10:30

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			11/17/15 14:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/15 14:53	1
Tetrachloroethene	**0.42**	**J B**	1.0	0.36	ug/L			11/17/15 14:53	1
Toluene	ND		1.0	0.51	ug/L			11/17/15 14:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/15 14:53	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/15 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*11/17/15 14:53*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*11/17/15 14:53*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*11/17/15 14:53*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*11/17/15 14:53*	*1*

Client Sample ID: INFLUENT 110515

Lab Sample ID: 480-90606-5
Matrix: Water
Date Collected: 11/05/15 07:00
Date Received: 11/06/15 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/15 15:21	1
cis-1,2-Dichloroethene	**4.9**		1.0	0.81	ug/L			11/17/15 15:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/15 15:21	1
Tetrachloroethene	**0.53**	**J B**	1.0	0.36	ug/L			11/17/15 15:21	1
Toluene	ND		1.0	0.51	ug/L			11/17/15 15:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/15 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*11/17/15 15:21*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*11/17/15 15:21*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*11/17/15 15:21*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*11/17/15 15:21*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**340**		10	4.6	ug/L			11/18/15 01:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*11/18/15 01:00*	*10*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*11/18/15 01:00*	*10*
Toluene-d8 (Surr)	*88*		*71 - 126*		*11/18/15 01:00*	*10*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*11/18/15 01:00*	*10*

Surrogate Summary

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

TestAmerica Job ID: 480-90606-1

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)
480-90606-2	BETWEEN CARBONS 110515	96	89	89	97
480-90606-4	EFFLUENT 110515	97	88	89	96
480-90606-5	INFLUENT 110515	95	87	89	98
480-90606-5 - DL	INFLUENT 110515	94	89	88	93
LCS 480-275367/10	Lab Control Sample	93	93	92	95
LCS 480-275507/10	Lab Control Sample	90	94	91	93
MB 480-275367/12	Method Blank	94	87	89	99
MB 480-275507/12	Method Blank	89	90	86	94

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 480-275367/12
Matrix: Water
Analysis Batch: 275367

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/15 13:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/15 13:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/15 13:37	1
Tetrachloroethene	0.366	J	1.0	0.36	ug/L			11/17/15 13:37	1
Toluene	ND		1.0	0.51	ug/L			11/17/15 13:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/15 13:37	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/15 13:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*		*11/17/15 13:37*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*11/17/15 13:37*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*11/17/15 13:37*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*11/17/15 13:37*	*1*

Lab Sample ID: LCS 480-275367/10
Matrix: Water
Analysis Batch: 275367

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	23.8		ug/L		95	74 - 124
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	22.4		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
Trichloroethene	25.0	24.2		ug/L		97	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Toluene-d8 (Surr)	*92*		*71 - 126*
Dibromofluoromethane (Surr)	*95*		*60 - 140*

Lab Sample ID: MB 480-275507/12
Matrix: Water
Analysis Batch: 275507

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/17/15 23:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/17/15 23:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/17/15 23:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/17/15 23:37	1
Toluene	ND		1.0	0.51	ug/L			11/17/15 23:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/17/15 23:37	1
Trichloroethene	ND		1.0	0.46	ug/L			11/17/15 23:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*66 - 137*		*11/17/15 23:37*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*11/17/15 23:37*	*1*

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

Lab Sample ID: MB 480-275507/12
Matrix: Water
Analysis Batch: 275507

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*86*		*71 - 126*		*11/17/15 23:37*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*		*11/17/15 23:37*	*1*

Lab Sample ID: LCS 480-275507/10
Matrix: Water
Analysis Batch: 275507

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	26.4		ug/L		106	74 - 124
Tetrachloroethene	25.0	27.4		ug/L		109	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	27.1		ug/L		109	73 - 127
Trichloroethene	25.0	27.4		ug/L		110	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*90*		*66 - 137*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*
Toluene-d8 (Surr)	*91*		*71 - 126*
Dibromofluoromethane (Surr)	*93*		*60 - 140*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-273646/1-A
Matrix: Water
Analysis Batch: 274082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 273646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	ND		0.010	0.0015	mg/L		11/09/15 08:05	11/09/15 15:31	1

Lab Sample ID: LCS 480-273646/2-A
Matrix: Water
Analysis Batch: 274082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 273646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	0.200	0.203		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-274048/1-A
Matrix: Water
Analysis Batch: 274299

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 274048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/10/15 08:45	11/10/15 13:44	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-274048/2-A
Matrix: Water
Analysis Batch: 274299

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 274048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00685		mg/L		103	80 - 120

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

Lab Sample ID: MB 480-274533/1
Matrix: Water
Analysis Batch: 274533

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/12/15 06:38	1

Lab Sample ID: LCS 480-274533/2
Matrix: Water
Analysis Batch: 274533

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	236.0		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-274503/1
Matrix: Water
Analysis Batch: 274503

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/11/15 19:45	1

Lab Sample ID: LCS 480-274503/2
Matrix: Water
Analysis Batch: 274503

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	499.0		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: 480-90606-1

GC/MS VOA

Analysis Batch: 275367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90606-2	BETWEEN CARBONS 110515	Total/NA	Water	8260C	
480-90606-4	EFFLUENT 110515	Total/NA	Water	8260C	
480-90606-5	INFLUENT 110515	Total/NA	Water	8260C	
LCS 480-275367/10	Lab Control Sample	Total/NA	Water	8260C	
MB 480-275367/12	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 275507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90606-5 - DL	INFLUENT 110515	Total/NA	Water	8260C	
LCS 480-275507/10	Lab Control Sample	Total/NA	Water	8260C	
MB 480-275507/12	Method Blank	Total/NA	Water	8260C	

Metals

Prep Batch: 273646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90606-1	EFFLUENT 110515	Total/NA	Water	3005A	
480-90606-3	INFLUENT 110515	Total/NA	Water	3005A	
LCS 480-273646/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-273646/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 274048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90606-1	EFFLUENT 110515	Total/NA	Water	7470A	
480-90606-3	INFLUENT 110515	Total/NA	Water	7470A	
LCS 480-274048/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-274048/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 274082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90606-1	EFFLUENT 110515	Total/NA	Water	6010C	273646
480-90606-3	INFLUENT 110515	Total/NA	Water	6010C	273646
LCS 480-273646/2-A	Lab Control Sample	Total/NA	Water	6010C	273646
MB 480-273646/1-A	Method Blank	Total/NA	Water	6010C	273646

Analysis Batch: 274299

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90606-1	EFFLUENT 110515	Total/NA	Water	7470A	274048
480-90606-3	INFLUENT 110515	Total/NA	Water	7470A	274048
LCS 480-274048/2-A	Lab Control Sample	Total/NA	Water	7470A	274048
MB 480-274048/1-A	Method Blank	Total/NA	Water	7470A	274048

General Chemistry

Analysis Batch: 274503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90606-1	EFFLUENT 110515	Total/NA	Water	SM2540 C	
LCS 480-274503/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-274503/1	Method Blank	Total/NA	Water	SM2540 C	

QC Association Summary

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

TestAmerica Job ID: 480-90606-1

General Chemistry (Continued)

Analysis Batch: 274533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-90606-1	EFFLUENT 110515	Total/NA	Water	SM 2540D	
LCS 480-274533/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-274533/1	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: 480-90606-1

Client Sample ID: EFFLUENT 110515
Lab Sample ID: 480-90606-1
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			273646	11/09/15 08:05	CNS	TAL BUF
Total/NA	Analysis	6010C		1	274082	11/09/15 15:47	SLB	TAL BUF
Total/NA	Prep	7470A			274048	11/10/15 08:45	TAS	TAL BUF
Total/NA	Analysis	7470A		1	274299	11/10/15 14:20	TAS	TAL BUF
Total/NA	Analysis	SM 2540D		1	274533	11/12/15 06:38	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	274503	11/11/15 19:45	ELR	TAL BUF

Client Sample ID: BETWEEN CARBONS 110515
Lab Sample ID: 480-90606-2
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275367	11/17/15 14:26	GVF	TAL BUF

Client Sample ID: INFLUENT 110515
Lab Sample ID: 480-90606-3
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			273646	11/09/15 08:05	CNS	TAL BUF
Total/NA	Analysis	6010C		1	274082	11/09/15 15:51	SLB	TAL BUF
Total/NA	Prep	7470A			274048	11/10/15 08:45	TAS	TAL BUF
Total/NA	Analysis	7470A		1	274299	11/10/15 14:22	TAS	TAL BUF

Client Sample ID: EFFLUENT 110515
Lab Sample ID: 480-90606-4
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275367	11/17/15 14:53	GVF	TAL BUF

Client Sample ID: INFLUENT 110515
Lab Sample ID: 480-90606-5
Date Collected: 11/05/15 07:00
Matrix: Water
Date Received: 11/06/15 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	275367	11/17/15 15:21	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	10	275507	11/18/15 01:00	GTG	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-90606-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-90606-1

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

Protocol References:

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

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

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-90606-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-90606-1	EFFLUENT 110515	Water	11/05/15 07:00	11/06/15 10:30
480-90606-2	BETWEEN CARBONS 110515	Water	11/05/15 07:00	11/06/15 10:30
480-90606-3	INFLUENT 110515	Water	11/05/15 07:00	11/06/15 10:30
480-90606-4	EFFLUENT 110515	Water	11/05/15 07:00	11/06/15 10:30
480-90606-5	INFLUENT 110515	Water	11/05/15 07:00	11/06/15 10:30

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 Koenecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-59317-10589.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1306	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:	Analysis Requested		
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, TSP Dodecahydrate, Acetone, MCAA, ph 4-5, other (specify)

480-90606 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	6010C - Zinc	7470A - Mercury										Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A	D	D											
Effluent 110515	11-5-15	7:00	C	Water			1	1		1	1										4	
Between Carbons 110515	11-5-15	7:00	G	Water					3												3	
Inffluent 110515	11-5-15	7:00	C	Water						1	1										2	
Effluent 110515	11-5-15	7:00	G	water					3												3	
Influent 110515	11-5-15	7:00	G	water					3												3	
			RS																			
		11-5-15																				

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	11-5-15 / 9:30	OBG	[signature] WEST	11-5-15	7:50
Relinquished by: Reinquished	Date/Time: 11-5-15, 19:00	Company SGR	Received by: [signature]	Date/Time: 11/6/15 10:30	Company TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Cooler Temperature(s) °C and Other Remarks: #1 3.2

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-90606-1

Login Number: 90606
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-91102-1
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:
11/24/2015 10:04:21 AM

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: 480-91102-1

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: 480-91102-1

Job ID: 480-91102-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-91102-1

Receipt
The sample was received on 11/14/2015 2:20 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

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

Detection Summary

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

TestAmerica Job ID: 480-91102-1

Client Sample ID: EFFLUENT 111315

Lab Sample ID: 480-91102-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	665		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: 480-91102-1

Client Sample ID: EFFLUENT 111315
Date Collected: 11/13/15 07:15
Date Received: 11/14/15 02:20

Lab Sample ID: 480-91102-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**665**		10.0	4.0	mg/L			11/19/15 11:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/19/15 08:32	1

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

Lab Sample ID: MB 480-275820/1
Matrix: Water
Analysis Batch: 275820

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/19/15 08:32	1

Lab Sample ID: LCS 480-275820/2
Matrix: Water
Analysis Batch: 275820

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	226.0		mg/L		100	88 - 110

Lab Sample ID: 480-91102-1 DU
Matrix: Water
Analysis Batch: 275820

Client Sample ID: EFFLUENT 111315
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 480-275892/1
Matrix: Water
Analysis Batch: 275892

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/19/15 11:37	1

Lab Sample ID: LCS 480-275892/2
Matrix: Water
Analysis Batch: 275892

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	472.0		mg/L		94	85 - 115

Lab Sample ID: 480-91102-1 DU
Matrix: Water
Analysis Batch: 275892

Client Sample ID: EFFLUENT 111315
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	665		655.0		mg/L		2	10

QC Association Summary

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

TestAmerica Job ID: 480-91102-1

General Chemistry

Analysis Batch: 275820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91102-1	EFFLUENT 111315	Total/NA	Water	SM 2540D	
480-91102-1 DU	EFFLUENT 111315	Total/NA	Water	SM 2540D	
LCS 480-275820/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-275820/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 275892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91102-1	EFFLUENT 111315	Total/NA	Water	SM2540 C	
480-91102-1 DU	EFFLUENT 111315	Total/NA	Water	SM2540 C	
LCS 480-275892/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-275892/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-91102-1

Client Sample ID: EFFLUENT 111315
Date Collected: 11/13/15 07:15
Date Received: 11/14/15 02:20

Lab Sample ID: 480-91102-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	275820	11/19/15 08:32	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	275892	11/19/15 11:37	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: 480-91102-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-91102-1

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: 480-91102-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-91102-1	EFFLUENT 111315	Water	11/13/15 07:15	11/14/15 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

Client Information	Sampler: Martin Koenneke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-59347-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America		Analysis Requested		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 - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			Other:
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

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	624/8260 - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
Effluent 111315	11-13-15	7:15	G	Water			1	1		2	

480-91102 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Martin Koenneke	11-13-15/930	OBG		11-13-15	9:30
2	RELINQUISHED	11-13-15, 19:02	SYR		11-14-15 0220	TAS
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 3.0 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-91102-1

Login Number: 91102
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-91429-1
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:
12/3/2015 8:05:03 AM

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

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-91429-1

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: 480-91429-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-91429-1

Receipt
The samples were received on 11/20/2015 3:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6° 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: 480-91429-1

Client Sample ID: EFFLUENT 111915 — Lab Sample ID: 480-91429-1

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

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	10		4.0	4.0	mg/L	1		SM 2540D	Total/NA

Client Sample ID: EFFLUENT 111915 — Lab Sample ID: 480-91429-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 111915

Lab Sample ID: 480-91429-1
Matrix: Water
Date Collected: 11/19/15 10:15
Date Received: 11/20/15 03:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	686	B	10.0	4.0	mg/L			11/25/15 06:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	10		4.0	4.0	mg/L			11/24/15 14:44	1

Client Sample ID: EFFLUENT 111915

Lab Sample ID: 480-91429-2
Matrix: Water
Date Collected: 11/19/15 10:15
Date Received: 11/20/15 03:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/01/15 18:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/01/15 18:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/01/15 18:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/01/15 18:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/01/15 18:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/01/15 18:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/01/15 18:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/01/15 18:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/01/15 18:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/01/15 18:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/01/15 18:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/01/15 18:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/01/15 18:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/01/15 18:21	1
2-Hexanone	ND		5.0	1.2	ug/L			12/01/15 18:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/01/15 18:21	1
Acetone	ND		10	3.0	ug/L			12/01/15 18:21	1
Benzene	ND		1.0	0.41	ug/L			12/01/15 18:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/01/15 18:21	1
Bromoform	ND		1.0	0.26	ug/L			12/01/15 18:21	1
Bromomethane	ND		1.0	0.69	ug/L			12/01/15 18:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/01/15 18:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/01/15 18:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/01/15 18:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/01/15 18:21	1
Chloroethane	ND		1.0	0.32	ug/L			12/01/15 18:21	1
Chloroform	ND		1.0	0.34	ug/L			12/01/15 18:21	1
Chloromethane	ND		1.0	0.35	ug/L			12/01/15 18:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/01/15 18:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/01/15 18:21	1
Cyclohexane	ND		1.0	0.18	ug/L			12/01/15 18:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/01/15 18:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/01/15 18:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/01/15 18:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/01/15 18:21	1
Methyl acetate	ND		2.5	1.3	ug/L			12/01/15 18:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/01/15 18:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/01/15 18:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/01/15 18:21	1

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

TestAmerica Job ID: 480-91429-1

Client Sample ID: EFFLUENT 111915
Date Collected: 11/19/15 10:15
Date Received: 11/20/15 03:10

Lab Sample ID: 480-91429-2
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			12/01/15 18:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/01/15 18:21	1
Toluene	ND		1.0	0.51	ug/L			12/01/15 18:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/01/15 18:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/01/15 18:21	1
Trichloroethene	ND		1.0	0.46	ug/L			12/01/15 18:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/01/15 18:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/01/15 18:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/01/15 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/01/15 18:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*12/01/15 18:21*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/01/15 18:21*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*12/01/15 18:21*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-91429-1

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)
480-91429-2	EFFLUENT 111915	98	102	95	101
LCS 480-277547/4	Lab Control Sample	102	96	104	98
MB 480-277547/6	Method Blank	102	100	103	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 480-277547/6
Matrix: Water
Analysis Batch: 277547

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/01/15 11:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/01/15 11:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/01/15 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/01/15 11:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/01/15 11:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/01/15 11:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/01/15 11:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/01/15 11:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/01/15 11:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/01/15 11:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/01/15 11:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/01/15 11:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/01/15 11:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/01/15 11:53	1
2-Hexanone	ND		5.0	1.2	ug/L			12/01/15 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/01/15 11:53	1
Acetone	ND		10	3.0	ug/L			12/01/15 11:53	1
Benzene	ND		1.0	0.41	ug/L			12/01/15 11:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/01/15 11:53	1
Bromoform	ND		1.0	0.26	ug/L			12/01/15 11:53	1
Bromomethane	ND		1.0	0.69	ug/L			12/01/15 11:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/01/15 11:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/01/15 11:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/01/15 11:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/01/15 11:53	1
Chloroethane	ND		1.0	0.32	ug/L			12/01/15 11:53	1
Chloroform	ND		1.0	0.34	ug/L			12/01/15 11:53	1
Chloromethane	ND		1.0	0.35	ug/L			12/01/15 11:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/01/15 11:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/01/15 11:53	1
Cyclohexane	ND		1.0	0.18	ug/L			12/01/15 11:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/01/15 11:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/01/15 11:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/01/15 11:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/01/15 11:53	1
Methyl acetate	ND		2.5	1.3	ug/L			12/01/15 11:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/01/15 11:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/01/15 11:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/01/15 11:53	1
Styrene	ND		1.0	0.73	ug/L			12/01/15 11:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/01/15 11:53	1
Toluene	ND		1.0	0.51	ug/L			12/01/15 11:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/01/15 11:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/01/15 11:53	1
Trichloroethene	ND		1.0	0.46	ug/L			12/01/15 11:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/01/15 11:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/01/15 11:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/01/15 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*102*		*71 - 126*		*12/01/15 11:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*12/01/15 11:53*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/01/15 11:53*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*12/01/15 11:53*	*1*

Lab Sample ID: LCS 480-277547/4
Matrix: Water
Analysis Batch: 277547

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.2		ug/L		97	71 - 129
1,1-Dichloroethene	25.0	22.8		ug/L		91	58 - 121
1,2-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	22.9		ug/L		92	75 - 127
Benzene	25.0	24.1		ug/L		96	71 - 124
Chlorobenzene	25.0	24.7		ug/L		99	72 - 120
cis-1,2-Dichloroethene	25.0	23.4		ug/L		94	74 - 124
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
Methyl tert-butyl ether	25.0	22.8		ug/L		91	64 - 127
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
Trichloroethene	25.0	24.7		ug/L		99	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*102*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

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

Lab Sample ID: MB 480-276753/1
Matrix: Water
Analysis Batch: 276753

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/24/15 14:44	1

Lab Sample ID: LCS 480-276753/2
Matrix: Water
Analysis Batch: 276753

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	245	234.0		mg/L		96	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-276829/1
Matrix: Water
Analysis Batch: 276829

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			11/25/15 06:46	1

Lab Sample ID: LCS 480-276829/2
Matrix: Water
Analysis Batch: 276829

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	527.0		mg/L		105	85 - 115		

QC Association Summary

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

TestAmerica Job ID: 480-91429-1

GC/MS VOA

Analysis Batch: 277547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91429-2	EFFLUENT 111915	Total/NA	Water	8260C	
LCS 480-277547/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-277547/6	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 276753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91429-1	EFFLUENT 111915	Total/NA	Water	SM 2540D	
LCS 480-276753/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-276753/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 276829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91429-1	EFFLUENT 111915	Total/NA	Water	SM2540 C	
LCS 480-276829/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-276829/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-91429-1

Client Sample ID: EFFLUENT 111915
Date Collected: 11/19/15 10:15
Date Received: 11/20/15 03:10

Lab Sample ID: 480-91429-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	276753	11/24/15 14:44	ELR	TAL BUF
Total/NA	Analysis	SM2540 C		1	276829	11/25/15 06:46	CDC	TAL BUF

Client Sample ID: EFFLUENT 111915
Date Collected: 11/19/15 10:15
Date Received: 11/20/15 03:10

Lab Sample ID: 480-91429-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	277547	12/01/15 18:21	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: 480-91429-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-91429-1

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: 480-91429-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-91429-1	EFFLUENT 111915	Water	11/19/15 10:15	11/20/15 03:10
480-91429-2	EFFLUENT 111915	Water	11/19/15 10:15	11/20/15 03:10

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: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-59347-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

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 111915	11-19-15	10:15	C	Water			1	1		2	
Effluent 111915	11-19-15	10:15	G	water					3	3	

RE 11-19-15

480-91429 Chain of Custody

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
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 Koennecke	11-19-15/12:30	OBG	R. English	11-19-15, 12:30	Syr
R. English	11-19-15, 19:00	Syr	[signature]	11-20-15 0310	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 0.6 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-91429-1

Login Number: 91429
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: 480-91622-1
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:
12/3/2015 8:15:42 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)

Job ID: 480-91622-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-91622-1

Receipt
The sample was received on 11/24/2015 2:10 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6° C.

General Chemistry
Method(s) SM 2540C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: EFFLUENT 112315 (480-91622-1). The reporting limits (RLs) have been adjusted proportionately.

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

Detection Summary

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

TestAmerica Job ID: 480-91622-1

Client Sample ID: EFFLUENT 112315

Lab Sample ID: 480-91622-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	864		40.0	16.0	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: 480-91622-1

Client Sample ID: EFFLUENT 112315
Date Collected: 11/23/15 10:00
Date Received: 11/24/15 02:10

Lab Sample ID: 480-91622-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**864**		40.0	16.0	mg/L			11/25/15 08:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/27/15 16:01	1

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

Lab Sample ID: MB 480-277201/1
Matrix: Water
Analysis Batch: 277201

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			11/27/15 16:01	1

Lab Sample ID: LCS 480-277201/2
Matrix: Water
Analysis Batch: 277201

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	252.0		mg/L		98	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-276862/1
Matrix: Water
Analysis Batch: 276862

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/25/15 08:08	1

Lab Sample ID: LCS 480-276862/2
Matrix: Water
Analysis Batch: 276862

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	538.0		mg/L		107	85 - 115

QC Association Summary

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

TestAmerica Job ID: 480-91622-1

General Chemistry

Analysis Batch: 276862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91622-1	EFFLUENT 112315	Total/NA	Water	SM2540 C	
LCS 480-276862/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-276862/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 277201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91622-1	EFFLUENT 112315	Total/NA	Water	SM 2540D	
LCS 480-277201/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-277201/1	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: 480-91622-1

Client Sample ID: EFFLUENT 112315
Date Collected: 11/23/15 10:00
Date Received: 11/24/15 02:10

Lab Sample ID: 480-91622-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	277201	11/27/15 16:01	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	276862	11/25/15 08:08	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: 480-91622-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-91622-1

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: 480-91622-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-91622-1	EFFLUENT 112315	Water	11/23/15 10:00	11/24/15 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 Koeuneke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-59346-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

480-91622 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	~~Volatile Organic Compounds~~	Total Number of containers	Special Instructions/Note:
				Preservation Code:			N	N	A		
Effluent 112315	11-23-15	10:00	C	Water			1	1			

AP 11-23-15

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 Koeuneke	11-23-15 / 11:35	OBG	[signature]	11-23-15 / 11:38	SYR
[signature]	11-23-15, 18:00	Syr	[signature]	11-24-15 0210	[illegible]

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.6 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-91622-1

Login Number: 91622
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-91813-1
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:
12/10/2015 2:06:54 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: 480-91813-1

Glossary

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

Job ID: 480-91813-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-91813-1

Receipt
The sample was received on 12/1/2015 2:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º 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: 480-91813-1

Client Sample ID: EFFLUENT 113015

Lab Sample ID: 480-91813-1

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 Sample Results

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

TestAmerica Job ID: 480-91813-1

Client Sample ID: EFFLUENT 113015
Date Collected: 11/30/15 07:15
Date Received: 12/01/15 02:00

Lab Sample ID: 480-91813-1
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			12/02/15 11:33	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/02/15 12:52	1

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

Lab Sample ID: MB 480-277802/1
Matrix: Water
Analysis Batch: 277802

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/02/15 12:52	1

Lab Sample ID: LCS 480-277802/2
Matrix: Water
Analysis Batch: 277802

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Suspended Solids			240	240.0		mg/L		100	88 - 110		

Lab Sample ID: 480-91813-1 DU
Matrix: Water
Analysis Batch: 277802

Client Sample ID: EFFLUENT 113015
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 480-277786/1
Matrix: Water
Analysis Batch: 277786

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/02/15 11:33	1

Lab Sample ID: LCS 480-277786/2
Matrix: Water
Analysis Batch: 277786

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	487.0		mg/L		97	85 - 115		

Lab Sample ID: 480-91813-1 DU
Matrix: Water
Analysis Batch: 277786

Client Sample ID: EFFLUENT 113015
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	686			679.0		mg/L				1	10

QC Association Summary

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

TestAmerica Job ID: 480-91813-1

General Chemistry

Analysis Batch: 277786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91813-1	EFFLUENT 113015	Total/NA	Water	SM2540 C	
480-91813-1 DU	EFFLUENT 113015	Total/NA	Water	SM2540 C	
LCS 480-277786/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-277786/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 277802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-91813-1	EFFLUENT 113015	Total/NA	Water	SM 2540D	
480-91813-1 DU	EFFLUENT 113015	Total/NA	Water	SM 2540D	
LCS 480-277802/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-277802/1	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: 480-91813-1

Client Sample ID: EFFLUENT 113015
Date Collected: 11/30/15 07:15
Date Received: 12/01/15 02:00

Lab Sample ID: 480-91813-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	277802	12/02/15 12:52	EKB	TAL BUF
Total/NA	Analysis	SM2540 C		1	277786	12/02/15 11:33	MGH	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-91813-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-91813-1

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: 480-91813-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-91813-1	EFFLUENT 113015	Water	11/30/15 07:15	12/01/15 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: 480-59361-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:
City: East Syracuse	TAT Requested (days):
State, Zip: NY, 13221	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST
Email: Yuri.Veliz@obg.com	WO #:
Project Name: Former Accurate Die Cast	Project #: 48008584
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 113015	11-30-15	7:15	C	Water			1	1	2	

480-91813 Chain of Custody

RET

11-30-15

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by: Martin Koennecke	Date/Time: 11-30-15 / 940	Company OBG	Received by:	Date/Time: 11-30-15 1415	Company OBG
Relinquished by: RET 12/1/15	Date/Time: 11-30-15, 19:00	Company SYR	Received by:	Date/Time: 12-1-15 0200	Company TMB
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: 6.9

12/10/2015

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-91813-1

Login Number: 91813
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-92325-1
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:
12/22/2015 3:10:07 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: 480-92325-1

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.

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: 480-92325-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-92325-1

Receipt
The samples were received on 12/9/2015 1:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280604 recovered above the upper control limit for Acetone and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: BETWEEN CARBONS 120815 (480-92325-2) and EFFLUENT 120815 (480-92325-3).

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: 480-92325-1

Client Sample ID: EFFLUENT 120815 — Lab Sample ID: 480-92325-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	645		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Client Sample ID: BETWEEN CARBONS 120815 — Lab Sample ID: 480-92325-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.38	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.1		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	2.6		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 120815 — Lab Sample ID: 480-92325-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 120815

Lab Sample ID: 480-92325-1
Date Collected: 12/08/15 07:30
Matrix: Water
Date Received: 12/09/15 01:20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**645**		10.0	4.0	mg/L			12/11/15 01:19	1
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Total Suspended Solids	ND		4.0	4.0	mg/L			12/10/15 12:21	1

Client Sample ID: BETWEEN CARBONS 120815

Lab Sample ID: 480-92325-2
Date Collected: 12/08/15 07:30
Matrix: Water
Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/15 03:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/15 03:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/15 03:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/15 03:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/15 03:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/15 03:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/15 03:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/15 03:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/15 03:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/15 03:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/15 03:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/15 03:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/15 03:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/15 03:12	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/15 03:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/15 03:12	1
Acetone	ND		10	3.0	ug/L			12/19/15 03:12	1
Benzene	ND		1.0	0.41	ug/L			12/19/15 03:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/15 03:12	1
Bromoform	ND		1.0	0.26	ug/L			12/19/15 03:12	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/15 03:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/15 03:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/15 03:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/15 03:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/15 03:12	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/15 03:12	1
Chloroform	**0.38**	**J**	1.0	0.34	ug/L			12/19/15 03:12	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/15 03:12	1
cis-1,2-Dichloroethene	**3.1**		1.0	0.81	ug/L			12/19/15 03:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/15 03:12	1
Cyclohexane	ND		1.0	0.18	ug/L			12/19/15 03:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/15 03:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/15 03:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/15 03:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/15 03:12	1
Methyl acetate	ND		2.5	1.3	ug/L			12/19/15 03:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/15 03:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/19/15 03:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/15 03:12	1

Client Sample ID: BETWEEN CARBONS 120815

Lab Sample ID: 480-92325-2

Date Collected: 12/08/15 07:30

Matrix: Water

Date Received: 12/09/15 01:20

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			12/19/15 03:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/15 03:12	1
Toluene	ND		1.0	0.51	ug/L			12/19/15 03:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/15 03:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/15 03:12	1
Trichloroethene	**2.6**		1.0	0.46	ug/L			12/19/15 03:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/15 03:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/15 03:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/15 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/19/15 03:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*12/19/15 03:12*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/19/15 03:12*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*12/19/15 03:12*	*1*

Client Sample ID: EFFLUENT 120815

Lab Sample ID: 480-92325-3

Date Collected: 12/08/15 07:30

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/15 03:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/15 03:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/15 03:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/15 03:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/15 03:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/15 03:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/15 03:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/15 03:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/15 03:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/15 03:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/15 03:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/15 03:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/15 03:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/15 03:36	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/15 03:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/15 03:36	1
Acetone	ND		10	3.0	ug/L			12/19/15 03:36	1
Benzene	ND		1.0	0.41	ug/L			12/19/15 03:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/15 03:36	1
Bromoform	ND		1.0	0.26	ug/L			12/19/15 03:36	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/15 03:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/15 03:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/15 03:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/15 03:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/15 03:36	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/15 03:36	1
Chloroform	ND		1.0	0.34	ug/L			12/19/15 03:36	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/15 03:36	1

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

TestAmerica Job ID: 480-92325-1

Client Sample ID: EFFLUENT 120815
Date Collected: 12/08/15 07:30
Date Received: 12/09/15 01:20

Lab Sample ID: 480-92325-3
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			12/19/15 03:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/15 03:36	1
Cyclohexane	ND		1.0	0.18	ug/L			12/19/15 03:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/15 03:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/15 03:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/15 03:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/15 03:36	1
Methyl acetate	ND		2.5	1.3	ug/L			12/19/15 03:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/15 03:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/19/15 03:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/15 03:36	1
Styrene	ND		1.0	0.73	ug/L			12/19/15 03:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/15 03:36	1
Toluene	ND		1.0	0.51	ug/L			12/19/15 03:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/15 03:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/15 03:36	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/15 03:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/15 03:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/15 03:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/15 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/19/15 03:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*12/19/15 03:36*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*12/19/15 03:36*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*12/19/15 03:36*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-92325-1

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)
480-92325-2	BETWEEN CARBONS 120815	97	99	95	103
480-92325-3	EFFLUENT 120815	98	97	95	98
LCS 480-280604/5	Lab Control Sample	100	99	98	102
MB 480-280604/7	Method Blank	97	98	96	100

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 480-280604/7
Matrix: Water
Analysis Batch: 280604

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/15 01:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/15 01:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/15 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/15 01:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/15 01:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/15 01:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/15 01:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/15 01:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/15 01:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/15 01:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/15 01:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/15 01:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/15 01:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/15 01:14	1
2-Hexanone	ND		5.0	1.2	ug/L			12/19/15 01:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/15 01:14	1
Acetone	ND		10	3.0	ug/L			12/19/15 01:14	1
Benzene	ND		1.0	0.41	ug/L			12/19/15 01:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/15 01:14	1
Bromoform	ND		1.0	0.26	ug/L			12/19/15 01:14	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/15 01:14	1
Carbon disulfide	0.306	J	1.0	0.19	ug/L			12/19/15 01:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/15 01:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/15 01:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/15 01:14	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/15 01:14	1
Chloroform	ND		1.0	0.34	ug/L			12/19/15 01:14	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/15 01:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/15 01:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/15 01:14	1
Cyclohexane	ND		1.0	0.18	ug/L			12/19/15 01:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/15 01:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/15 01:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/15 01:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/15 01:14	1
Methyl acetate	ND		2.5	1.3	ug/L			12/19/15 01:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/15 01:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/19/15 01:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/15 01:14	1
Styrene	ND		1.0	0.73	ug/L			12/19/15 01:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/15 01:14	1
Toluene	ND		1.0	0.51	ug/L			12/19/15 01:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/15 01:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/15 01:14	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/15 01:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/15 01:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/15 01:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/15 01:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*71 - 126*		*12/19/15 01:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/19/15 01:14*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*12/19/15 01:14*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*12/19/15 01:14*	*1*

Lab Sample ID: LCS 480-280604/5
Matrix: Water
Analysis Batch: 280604

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	26.3		ug/L		105	71 - 129
1,1-Dichloroethene	25.0	28.1		ug/L		113	58 - 121
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 127
Benzene	25.0	25.4		ug/L		102	71 - 124
Chlorobenzene	25.0	24.6		ug/L		98	72 - 120
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Methyl tert-butyl ether	25.0	26.5		ug/L		106	64 - 127
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122
Toluene	25.0	25.4		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	26.3		ug/L		105	73 - 127
Trichloroethene	25.0	25.7		ug/L		103	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*100*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

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

Lab Sample ID: MB 480-279133/1
Matrix: Water
Analysis Batch: 279133

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/10/15 12:21	1

Lab Sample ID: LCS 480-279133/2
Matrix: Water
Analysis Batch: 279133

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	208	209.2		mg/L		101	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-279235/1
Matrix: Water
Analysis Batch: 279235

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/11/15 01:19	1

Lab Sample ID: LCS 480-279235/2
Matrix: Water
Analysis Batch: 279235

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	471.0		mg/L		94	85 - 115

Lab Sample ID: 480-92325-1 DU
Matrix: Water
Analysis Batch: 279235

Client Sample ID: EFFLUENT 120815
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	645		654.0		mg/L		1	10

QC Association Summary

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

TestAmerica Job ID: 480-92325-1

GC/MS VOA

Analysis Batch: 280604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92325-2	BETWEEN CARBONS 120815	Total/NA	Water	8260C	
480-92325-3	EFFLUENT 120815	Total/NA	Water	8260C	
LCS 480-280604/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-280604/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 279133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92325-1	EFFLUENT 120815	Total/NA	Water	SM 2540D	
LCS 480-279133/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-279133/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 279235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92325-1	EFFLUENT 120815	Total/NA	Water	SM2540 C	
480-92325-1 DU	EFFLUENT 120815	Total/NA	Water	SM2540 C	
LCS 480-279235/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-279235/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-92325-1

Client Sample ID: EFFLUENT 120815
Lab Sample ID: 480-92325-1
Date Collected: 12/08/15 07:30
Matrix: Water
Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	279133	12/10/15 12:21	ELR	TAL BUF
Total/NA	Analysis	SM2540 C		1	279235	12/11/15 01:19	CDC	TAL BUF

Client Sample ID: BETWEEN CARBONS 120815
Lab Sample ID: 480-92325-2
Date Collected: 12/08/15 07:30
Matrix: Water
Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280604	12/19/15 03:12	GVF	TAL BUF

Client Sample ID: EFFLUENT 120815
Lab Sample ID: 480-92325-3
Date Collected: 12/08/15 07:30
Matrix: Water
Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280604	12/19/15 03:36	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: 480-92325-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-92325-1

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: 480-92325-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92325-1	EFFLUENT 120815	Water	12/08/15 07:30	12/09/15 01:20
480-92325-2	BETWEEN CARBONS 120815	Water	12/08/15 07:30	12/09/15 01:20
480-92325-3	EFFLUENT 120815	Water	12/08/15 07:30	12/09/15 01:20

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

Client Information	Sampler: Martin Koerneck[illegible]	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-59325-10588.1
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:			**Preservation Codes:**
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			Other:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

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)	2640D - 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 120815	12-8-15	730	C	Water			1	1			
Between Carbons 12085	12-8-15	7:30	G	Water					3		
Effluent 120815	12-8-15	7:30	G	water					3		

480-92325 Chain of Custody

RG 12-8-15

483325 - Syracuse SC

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 Koerneck[illegible]	Date/Time: 12-8-15 / 10:15	Company: OBG	Received by: [illegible]	Date/Time: 12-8-15 1015	Company:	
Relinquished by: [illegible]	Date/Time: 12-8-15 / 19:00	Company: Syr	Received by: [illegible]	Date/Time: 12-9-15 0120	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: 1.8 #1			

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-92325-1

Login Number: 92325
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: 480-92683-1
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:
12/22/2015 3:24:38 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: 480-92683-1

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: 480-92683-1

Job ID: 480-92683-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-92683-1

Receipt
The sample was received on 12/15/2015 1:20 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1° C.

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

Detection Summary

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

TestAmerica Job ID: 480-92683-1

Client Sample ID: EFFLUENT 121415

Lab Sample ID: 480-92683-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	646		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: 480-92683-1

Client Sample ID: EFFLUENT 121415
Date Collected: 12/14/15 08:10
Date Received: 12/15/15 01:20

Lab Sample ID: 480-92683-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**646**		10.0	4.0	mg/L			12/18/15 05:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/16/15 21:44	1

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

Lab Sample ID: MB 480-280196/1
Matrix: Water
Analysis Batch: 280196

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/16/15 21:44	1

Lab Sample ID: LCS 480-280196/2
Matrix: Water
Analysis Batch: 280196

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	237	236.0		mg/L		99	88 - 110

Lab Sample ID: 480-92683-1 DU
Matrix: Water
Analysis Batch: 280196

Client Sample ID: EFFLUENT 121415
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 480-280441/1
Matrix: Water
Analysis Batch: 280441

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/18/15 05:30	1

Lab Sample ID: LCS 480-280441/2
Matrix: Water
Analysis Batch: 280441

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

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

QC Association Summary

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

TestAmerica Job ID: 480-92683-1

General Chemistry

Analysis Batch: 280196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92683-1	EFFLUENT 121415	Total/NA	Water	SM 2540D	
480-92683-1 DU	EFFLUENT 121415	Total/NA	Water	SM 2540D	
LCS 480-280196/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-280196/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 280441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-92683-1	EFFLUENT 121415	Total/NA	Water	SM2540 C	
LCS 480-280441/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-280441/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-92683-1

Client Sample ID: EFFLUENT 121415
Date Collected: 12/14/15 08:10
Date Received: 12/15/15 01:20

Lab Sample ID: 480-92683-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	280196	12/16/15 21:44	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	280441	12/18/15 05:30	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: 480-92683-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-92683-1

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: 480-92683-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92683-1	EFFLUENT 121415	Water	12/14/15 08:10	12/15/15 01:20

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

Client Information	Sampler: MARTIN Koenwacki	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-59362-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America		Analysis Requested		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 - Na2S2SO3, 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 #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

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	480-92683 Chain of Custody	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N		X	
Effluent 121415	12-14-15	8:10	C	Water			1	1		2	
				RE							
				12-14-15							

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 Koenwacki	12-14-15 / 11:00	OBG	[signature]	12-14-15 11:00	
2	RELINQ 2	12-14-15, 14:00	PyR	[signature]	12-15-15 0800	TAL
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 1.1 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-92683-1

Login Number: 92683
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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

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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: 480-93048-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
1/6/2016 6:32:11 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: 480-93048-1

Job ID: 480-93048-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-93048-1

Receipt
The samples were received on 12/22/2015 1:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.5º C.

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

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

Detection Summary

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

TestAmerica Job ID: 480-93048-1

Client Sample ID: EFFLUENT 122115 — Lab Sample ID: 480-93048-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	651		10.0	4.0	mg/L	1		SM2540 C	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	5.6		4.0	4.0	mg/L	1		SM 2540D	Total/NA

Client Sample ID: EFFLUENT 122115 — Lab Sample ID: 480-93048-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: EFFLUENT 122115

Lab Sample ID: 480-93048-1
Date Collected: 12/21/15 07:15
Matrix: Water
Date Received: 12/22/15 01:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	651		10.0	4.0	mg/L			12/22/15 18:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	5.6		4.0	4.0	mg/L			12/23/15 02:44	1

Client Sample ID: EFFLUENT 122115

Lab Sample ID: 480-93048-2
Date Collected: 12/21/15 07:15
Matrix: Water
Date Received: 12/22/15 01:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/31/15 20:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/31/15 20:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/31/15 20:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/31/15 20:12	1
Toluene	ND		1.0	0.51	ug/L			12/31/15 20:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/31/15 20:12	1
Trichloroethene	ND		1.0	0.46	ug/L			12/31/15 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*12/31/15 20:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/31/15 20:12*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*12/31/15 20:12*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*12/31/15 20:12*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-93048-1

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)
480-93048-2	EFFLUENT 122115	98	99	99	101
LCS 480-282016/5	Lab Control Sample	97	99	101	103
MB 480-282016/7	Method Blank	102	100	98	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 480-282016/7
Matrix: Water
Analysis Batch: 282016

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/31/15 12:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/31/15 12:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/31/15 12:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/31/15 12:54	1
Toluene	ND		1.0	0.51	ug/L			12/31/15 12:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/31/15 12:54	1
Trichloroethene	ND		1.0	0.46	ug/L			12/31/15 12:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*12/31/15 12:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/31/15 12:54*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*12/31/15 12:54*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*12/31/15 12:54*	*1*

Lab Sample ID: LCS 480-282016/5
Matrix: Water
Analysis Batch: 282016

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	29.0		ug/L		116	74 - 124
Tetrachloroethene	25.0	28.2		ug/L		113	74 - 122
Toluene	25.0	27.1		ug/L		109	80 - 122
trans-1,2-Dichloroethene	25.0	28.9		ug/L		116	73 - 127
Trichloroethene	25.0	27.6		ug/L		110	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Toluene-d8 (Surr)	*101*		*71 - 126*
Dibromofluoromethane (Surr)	*103*		*60 - 140*

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

Lab Sample ID: MB 480-281191/1
Matrix: Water
Analysis Batch: 281191

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/23/15 02:44	1

Lab Sample ID: LCS 480-281191/2
Matrix: Water
Analysis Batch: 281191

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	234	233.6		mg/L		100	88 - 110

Method: SM2540 C - Total Dissolved Solids

Lab Sample ID: MB 480-281165/1
Matrix: Water
Analysis Batch: 281165

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/22/15 18:32	1

Lab Sample ID: LCS 480-281165/2
Matrix: Water
Analysis Batch: 281165

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	517.0		mg/L		103	85 - 115		

Lab Sample ID: 480-93048-1 DU
Matrix: Water
Analysis Batch: 281165

Client Sample ID: EFFLUENT 122115
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	651			675.0		mg/L				4	10

QC Association Summary

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

TestAmerica Job ID: 480-93048-1

GC/MS VOA

Analysis Batch: 282016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93048-2	EFFLUENT 122115	Total/NA	Water	8260C	
LCS 480-282016/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-282016/7	Method Blank	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 281165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93048-1	EFFLUENT 122115	Total/NA	Water	SM2540 C	
480-93048-1 DU	EFFLUENT 122115	Total/NA	Water	SM2540 C	
LCS 480-281165/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-281165/1	Method Blank	Total/NA	Water	SM2540 C	

Analysis Batch: 281191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93048-1	EFFLUENT 122115	Total/NA	Water	SM 2540D	
LCS 480-281191/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-281191/1	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: 480-93048-1

Client Sample ID: EFFLUENT 122115

Lab Sample ID: 480-93048-1

Date Collected: 12/21/15 07:15

Matrix: Water

Date Received: 12/22/15 01:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	281191	12/23/15 02:44	CDC	TAL BUF
Total/NA	Analysis	SM2540 C		1	281165	12/22/15 18:32	MGH	TAL BUF

Client Sample ID: EFFLUENT 122115

Lab Sample ID: 480-93048-2

Date Collected: 12/21/15 07:15

Matrix: Water

Date Received: 12/22/15 01:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	282016	12/31/15 20:12	JWG	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: 480-93048-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-93048-1

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: 480-93048-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-93048-1	EFFLUENT 122115	Water	12/21/15 07:15	12/22/15 01:50
480-93048-2	EFFLUENT 122115	Water	12/21/15 07:15	12/22/15 01:50

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 Kennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-59350-10587.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Analysis Requested

480-93048 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	8260C - Volatile Organic Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
Effluent 122115	12-21-15	7:15	C	Water			1	1		2	
EFFLUENT 122115	12-21-15	7:15	G	WATER					3	3	

REF

12-21-15

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

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Matt Kennecke	Date/Time: 12-21-15 / 9:30	Company OBG	Received by:		Date/Time: 12-22-15 1:30	Company	
Relinquished by: RELINQ 2	Date/Time: 12-21-15, 1910	Company DHL	Received by:		Date/Time: 12-22-15 0150	Company TNT	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		0.5	#1	

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483325 - Syracuse SC

1/6/2016

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-93048-1

Login Number: 93048
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: 480-93214-1
Client Project/Site: Former Accurate Die Cast

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

Attn: Mr. Al Farrell

Authorized for release by:
1/4/2016 11:39:01 PM

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

Table of Contents

Glossary

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

Job ID: 480-93214-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-93214-1

Receipt
The sample was received on 12/29/2015 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º 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: 480-93214-1

Client Sample ID: EFFLUENT 122815

Lab Sample ID: 480-93214-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	680		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: 480-93214-1

Client Sample ID: EFFLUENT 122815
Date Collected: 12/28/15 07:15
Date Received: 12/29/15 09:00

Lab Sample ID: 480-93214-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**680**		10.0	4.0	mg/L			12/29/15 15:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/29/15 15:07	1

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

Lab Sample ID: MB 480-281705/1
Matrix: Water
Analysis Batch: 281705

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		1.0	1.0	mg/L			12/29/15 15:07	1

Lab Sample ID: LCS 480-281705/2
Matrix: Water
Analysis Batch: 281705

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Suspended Solids			242	241.6		mg/L		100	88 - 110		

Lab Sample ID: 480-93214-1 DU
Matrix: Water
Analysis Batch: 281705

Client Sample ID: EFFLUENT 122815
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 480-281707/1
Matrix: Water
Analysis Batch: 281707

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/29/15 15:44	1

Lab Sample ID: LCS 480-281707/2
Matrix: Water
Analysis Batch: 281707

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	540.0		mg/L		108	85 - 115		

Lab Sample ID: 480-93214-1 DU
Matrix: Water
Analysis Batch: 281707

Client Sample ID: EFFLUENT 122815
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	680			687.0		mg/L				1	10

QC Association Summary

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

TestAmerica Job ID: 480-93214-1

General Chemistry

Analysis Batch: 281705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93214-1	EFFLUENT 122815	Total/NA	Water	SM 2540D	
480-93214-1 DU	EFFLUENT 122815	Total/NA	Water	SM 2540D	
LCS 480-281705/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 480-281705/1	Method Blank	Total/NA	Water	SM 2540D	

Analysis Batch: 281707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93214-1	EFFLUENT 122815	Total/NA	Water	SM2540 C	
480-93214-1 DU	EFFLUENT 122815	Total/NA	Water	SM2540 C	
LCS 480-281707/2	Lab Control Sample	Total/NA	Water	SM2540 C	
MB 480-281707/1	Method Blank	Total/NA	Water	SM2540 C	

Lab Chronicle

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

TestAmerica Job ID: 480-93214-1

Client Sample ID: EFFLUENT 122815
Date Collected: 12/28/15 07:15
Date Received: 12/29/15 09:00

Lab Sample ID: 480-93214-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540D		1	281705	12/29/15 15:07	MGH	TAL BUF
Total/NA	Analysis	SM2540 C		1	281707	12/29/15 15:44	MGH	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-93214-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-93214-1

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: 480-93214-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-93214-1	EFFLUENT 122815	Water	12/28/15 07:15	12/29/15 09:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: MARTIN Koennecke	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-59362-10586.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:
City: East Syracuse	TAT Requested (days):
State, Zip: NY, 13221	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST
Email: Yuri.Veliz@obg.com	WO #:
Project Name: Former Accurate Die Cast	Project #: 48008584
Site:	SSOW#:

Analysis Requested

480-93214 Chain of Custody

Preservation Codes:
A - HCL
B - NaOH
M - Hexane
N - None
NaO2
O4S
2SO3
2S2SO3
SO4
Dodecahydrate
stone
AA
4-5
ner (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 conta	Special Instructions/Note:
			Preservation Code:				N	N		
Effluent 122815	12-28-15	7:15	C	Water			1	1	2	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Martin Koennecke	12-28-15 / 9:35	OBG		12-29-15	
2		12-28-15 1900	SYR		12/29/15 0900	
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8 #1

Page 13 of 14

1/4/2016

483325 - Syracuse SC

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-93214-1

Login Number: 93214
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-87386-1
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:
9/29/2015 10:56:47 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

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

TestAmerica Job ID: 480-87386-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.

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: 480-87386-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-87386-1

Receipt
The samples were received on 9/17/2015 1:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

Receipt Exceptions

The labels for sample point MW-11 091615 read MW-10 091615. The time on the label coincides with the time on the COC for sample point MW-11 091615. That sample point is logged is as MW-11 091615.

GC/MS VOA
Method(s) 8260C: Due to the coelution of n-butyl Acetate with 2-Hexanone in the full spike solution, 2-Hexanone exceeded control limits in the laboratory control sample (LCS) associated with batch 480-265520 . The following samples are impacted: MW-5 091615 (480-87386-1), MW-6 091615 (480-87386-2), PZ-1 091615 (480-87386-3), MW-11 091615 (480-87386-4), MW-10 091615 (480-87386-5), MW-14 091615 (480-87386-6), MW-13 091615 (480-87386-7), MW-12 091615 (480-87386-8), MW-9 091615 (480-87386-9), PZ-2 091615 (480-87386-10), MW-17 091615 (480-87386-11) and TRIP BLANK (480-87386-18).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11 091615 (480-87386-4), MW-14 091615 (480-87386-6) and MW-13 091615 (480-87386-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: MW-10 091615 (480-87386-5), MW-17 091615 (480-87386-11), MW-24 091615 (480-87386-13), MW-18 091615 (480-87386-15), (480-87386-A-15 MS) and (480-87386-A-15 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-18 091615 (480-87386-15), (480-87386-B-15 MS) and (480-87386-B-15 MSD). Elevated reporting limits (RLs) are provided.

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

Detection Summary

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-5 091615 — Lab Sample ID: 480-87386-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.9		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	55		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6 091615 — Lab Sample ID: 480-87386-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	79		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: PZ-1 091615 — Lab Sample ID: 480-87386-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J	10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	63		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-11 091615 — Lab Sample ID: 480-87386-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	10		10	4.4	ug/L	10		8260C	Total/NA
Trichloroethene	680		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-10 091615 — Lab Sample ID: 480-87386-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.4	J	10	3.0	ug/L	1		8260C	Total/NA
Chloroform	0.53	J	1.0	0.34	ug/L	1		8260C	Total/NA
Trichloroethene - DL	100		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: MW-14 091615 — Lab Sample ID: 480-87386-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.4		4.0	1.8	ug/L	4		8260C	Total/NA
Trichloroethene	200		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: MW-13 091615 — Lab Sample ID: 480-87386-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.1		4.0	1.8	ug/L	4		8260C	Total/NA
Trichloroethene	260		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: MW-12 091615 — Lab Sample ID: 480-87386-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	16		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-9 091615 — Lab Sample ID: 480-87386-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	46		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: PZ-2 091615 — Lab Sample ID: 480-87386-10

This Detection Summary does not include radiochemical test results.

Client Sample ID: PZ-2 091615 (Continued) — Lab Sample ID: 480-87386-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.49	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	83		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-17 091615 — Lab Sample ID: 480-87386-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	5.9		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene - DL	190		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-21 091615 — Lab Sample ID: 480-87386-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J	10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	40		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	18		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-24 091615 — Lab Sample ID: 480-87386-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	380		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: MW-22 091615 — Lab Sample ID: 480-87386-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	54		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	5.2		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	9.5		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: MW-18 091615 — Lab Sample ID: 480-87386-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	430	F1	10	8.1	ug/L	10		8260C	Total/NA
Trichloroethene - DL	1500	F1	25	12	ug/L	25		8260C	Total/NA

Client Sample ID: MW-15 091615 — Lab Sample ID: 480-87386-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	0.26	J	1.0	0.16	ug/L	1		8260C	Total/NA
Trichloroethene	0.82	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-16 091516 — Lab Sample ID: 480-87386-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.5		1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: TRIP BLANK **Lab Sample ID: 480-87386-18**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5 091615
Date Collected: 09/16/15 07:45
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-1
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			09/25/15 16:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 16:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 16:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 16:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 16:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 16:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 16:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 16:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 16:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 16:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 16:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 16:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 16:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 16:00	1
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 16:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 16:00	1
Acetone	ND		10	3.0	ug/L			09/25/15 16:00	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 16:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 16:00	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 16:00	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 16:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 16:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 16:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 16:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 16:00	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 16:00	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 16:00	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 16:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/15 16:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 16:00	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 16:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 16:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 16:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 16:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 16:00	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 16:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 16:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 16:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 16:00	1
Styrene	ND		1.0	0.73	ug/L			09/25/15 16:00	1
Tetrachloroethene	**1.9**		1.0	0.36	ug/L			09/25/15 16:00	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 16:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 16:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 16:00	1
Trichloroethene	**55**		1.0	0.46	ug/L			09/25/15 16:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 16:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 16:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 16:00	1

Client Sample ID: MW-5 091615

Lab Sample ID: 480-87386-1

Date Collected: 09/16/15 07:45
Matrix: Water
Date Received: 09/17/15 01:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		71 - 126		09/25/15 16:00	1
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		09/25/15 16:00	1
4-Bromofluorobenzene (Surr)	95		73 - 120		09/25/15 16:00	1
Dibromofluoromethane (Surr)	98		60 - 140		09/25/15 16:00	1

Client Sample ID: MW-6 091615

Lab Sample ID: 480-87386-2

Date Collected: 09/16/15 08:05
Matrix: Water
Date Received: 09/17/15 01:20

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			09/25/15 16:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 16:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 16:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 16:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 16:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 16:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 16:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 16:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 16:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 16:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 16:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 16:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 16:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 16:27	1
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 16:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 16:27	1
Acetone	ND		10	3.0	ug/L			09/25/15 16:27	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 16:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 16:27	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 16:27	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 16:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 16:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 16:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 16:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 16:27	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 16:27	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 16:27	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 16:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/15 16:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 16:27	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 16:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 16:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 16:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 16:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 16:27	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 16:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 16:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 16:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 16:27	1

Client Sample ID: MW-6 091615

Lab Sample ID: 480-87386-2

Date Collected: 09/16/15 08:05

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 16:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/25/15 16:27	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 16:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 16:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 16:27	1
Trichloroethene	**79**		1.0	0.46	ug/L			09/25/15 16:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 16:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 16:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 126*		*09/25/15 16:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/25/15 16:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/25/15 16:27*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*09/25/15 16:27*	*1*

Client Sample ID: PZ-1 091615

Lab Sample ID: 480-87386-3

Date Collected: 09/16/15 08:45

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 16:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 16:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 16:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 16:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 16:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 16:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 16:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 16:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 16:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 16:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 16:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 16:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 16:55	1
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 16:55	1
Acetone	**3.1**	**J**	10	3.0	ug/L			09/25/15 16:55	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 16:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 16:55	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 16:55	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 16:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 16:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 16:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 16:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 16:55	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 16:55	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 16:55	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 16:55	1

Client Sample ID: PZ-1 091615

Date Collected: 09/16/15 08:45
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-3
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			09/25/15 16:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 16:55	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 16:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 16:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 16:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 16:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 16:55	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 16:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 16:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 16:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 16:55	1
Styrene	ND		1.0	0.73	ug/L			09/25/15 16:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/25/15 16:55	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 16:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 16:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 16:55	1
Trichloroethene	**63**		1.0	0.46	ug/L			09/25/15 16:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 16:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 16:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 126*		*09/25/15 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*09/25/15 16:55*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/25/15 16:55*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*09/25/15 16:55*	*1*

Client Sample ID: MW-11 091615

Date Collected: 09/16/15 09:15
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-4
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			09/25/15 17:22	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			09/25/15 17:22	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			09/25/15 17:22	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			09/25/15 17:22	10
1,1-Dichloroethane	ND		10	3.8	ug/L			09/25/15 17:22	10
1,1-Dichloroethene	ND		10	2.9	ug/L			09/25/15 17:22	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			09/25/15 17:22	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/25/15 17:22	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			09/25/15 17:22	10
1,2-Dichloroethane	ND		10	2.1	ug/L			09/25/15 17:22	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/25/15 17:22	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			09/25/15 17:22	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			09/25/15 17:22	10
2-Butanone (MEK)	ND		100	13	ug/L			09/25/15 17:22	10
2-Hexanone	ND	*	50	12	ug/L			09/25/15 17:22	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/25/15 17:22	10
Acetone	ND		100	30	ug/L			09/25/15 17:22	10

Client Sample ID: MW-11 091615

Lab Sample ID: 480-87386-4

Date Collected: 09/16/15 09:15

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 17:22	10
Bromodichloromethane	ND		10	3.9	ug/L			09/25/15 17:22	10
Bromoform	ND		10	2.6	ug/L			09/25/15 17:22	10
Bromomethane	ND		10	6.9	ug/L			09/25/15 17:22	10
Carbon disulfide	ND		10	1.9	ug/L			09/25/15 17:22	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/25/15 17:22	10
Chlorobenzene	ND		10	7.5	ug/L			09/25/15 17:22	10
Dibromochloromethane	ND		10	3.2	ug/L			09/25/15 17:22	10
Chloroethane	ND		10	3.2	ug/L			09/25/15 17:22	10
Chloroform	ND		10	3.4	ug/L			09/25/15 17:22	10
Chloromethane	ND		10	3.5	ug/L			09/25/15 17:22	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			09/25/15 17:22	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/25/15 17:22	10
Cyclohexane	ND		10	1.8	ug/L			09/25/15 17:22	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			09/25/15 17:22	10
Ethylbenzene	ND		10	7.4	ug/L			09/25/15 17:22	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/25/15 17:22	10
Isopropylbenzene	ND		10	7.9	ug/L			09/25/15 17:22	10
Methyl acetate	ND		25	13	ug/L			09/25/15 17:22	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/25/15 17:22	10
Methylcyclohexane	ND		10	1.6	ug/L			09/25/15 17:22	10
Methylene Chloride	**10**		10	4.4	ug/L			09/25/15 17:22	10
Styrene	ND		10	7.3	ug/L			09/25/15 17:22	10
Tetrachloroethene	ND		10	3.6	ug/L			09/25/15 17:22	10
Toluene	ND		10	5.1	ug/L			09/25/15 17:22	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			09/25/15 17:22	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/25/15 17:22	10
Trichloroethene	**680**		10	4.6	ug/L			09/25/15 17:22	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/25/15 17:22	10
Vinyl chloride	ND		10	9.0	ug/L			09/25/15 17:22	10
Xylenes, Total	ND		20	6.6	ug/L			09/25/15 17:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*71 - 126*		*09/25/15 17:22*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/25/15 17:22*	*10*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/25/15 17:22*	*10*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*09/25/15 17:22*	*10*

Client Sample ID: MW-10 091615

Lab Sample ID: 480-87386-5

Date Collected: 09/16/15 09:40

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 17:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 17:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 17:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 17:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 17:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 17:50	1

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-10 091615
Date Collected: 09/16/15 09:40
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 17:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 17:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 17:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 17:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 17:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 17:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 17:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 17:50	1
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 17:50	1
Acetone	**4.4**	**J**	10	3.0	ug/L			09/25/15 17:50	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 17:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 17:50	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 17:50	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 17:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 17:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 17:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 17:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 17:50	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 17:50	1
Chloroform	**0.53**	**J**	1.0	0.34	ug/L			09/25/15 17:50	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 17:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/15 17:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 17:50	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 17:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 17:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 17:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 17:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 17:50	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 17:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 17:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 17:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 17:50	1
Styrene	ND		1.0	0.73	ug/L			09/25/15 17:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/25/15 17:50	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 17:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 17:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 17:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 17:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 17:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*71 - 126*		*09/25/15 17:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*09/25/15 17:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/25/15 17:50*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*09/25/15 17:50*	*1*

Client Sample ID: MW-10 091615

Lab Sample ID: 480-87386-5

Date Collected: 09/16/15 09:40

Matrix: Water

Date Received: 09/17/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	100		2.0	0.92	ug/L			09/26/15 01:43	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 126*		*09/26/15 01:43*	*2*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/26/15 01:43*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/15 01:43*	*2*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*09/26/15 01:43*	*2*

Client Sample ID: MW-14 091615

Lab Sample ID: 480-87386-6

Date Collected: 09/16/15 09:50

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 18:17	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			09/25/15 18:17	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			09/25/15 18:17	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			09/25/15 18:17	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			09/25/15 18:17	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			09/25/15 18:17	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			09/25/15 18:17	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			09/25/15 18:17	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			09/25/15 18:17	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			09/25/15 18:17	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			09/25/15 18:17	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			09/25/15 18:17	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			09/25/15 18:17	4
2-Butanone (MEK)	ND		40	5.3	ug/L			09/25/15 18:17	4
2-Hexanone	ND	*	20	5.0	ug/L			09/25/15 18:17	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			09/25/15 18:17	4
Acetone	ND		40	12	ug/L			09/25/15 18:17	4
Benzene	ND		4.0	1.6	ug/L			09/25/15 18:17	4
Bromodichloromethane	ND		4.0	1.6	ug/L			09/25/15 18:17	4
Bromoform	ND		4.0	1.0	ug/L			09/25/15 18:17	4
Bromomethane	ND		4.0	2.8	ug/L			09/25/15 18:17	4
Carbon disulfide	ND		4.0	0.76	ug/L			09/25/15 18:17	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			09/25/15 18:17	4
Chlorobenzene	ND		4.0	3.0	ug/L			09/25/15 18:17	4
Dibromochloromethane	ND		4.0	1.3	ug/L			09/25/15 18:17	4
Chloroethane	ND		4.0	1.3	ug/L			09/25/15 18:17	4
Chloroform	ND		4.0	1.4	ug/L			09/25/15 18:17	4
Chloromethane	ND		4.0	1.4	ug/L			09/25/15 18:17	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			09/25/15 18:17	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			09/25/15 18:17	4
Cyclohexane	ND		4.0	0.72	ug/L			09/25/15 18:17	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			09/25/15 18:17	4
Ethylbenzene	ND		4.0	3.0	ug/L			09/25/15 18:17	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			09/25/15 18:17	4
Isopropylbenzene	ND		4.0	3.2	ug/L			09/25/15 18:17	4
Methyl acetate	ND		10	5.2	ug/L			09/25/15 18:17	4

Client Sample ID: MW-14 091615

Date Collected: 09/16/15 09:50
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			09/25/15 18:17	4
Methylcyclohexane	ND		4.0	0.64	ug/L			09/25/15 18:17	4
Methylene Chloride	**4.4**		4.0	1.8	ug/L			09/25/15 18:17	4
Styrene	ND		4.0	2.9	ug/L			09/25/15 18:17	4
Tetrachloroethene	ND		4.0	1.4	ug/L			09/25/15 18:17	4
Toluene	ND		4.0	2.0	ug/L			09/25/15 18:17	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			09/25/15 18:17	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			09/25/15 18:17	4
Trichloroethene	**200**		4.0	1.8	ug/L			09/25/15 18:17	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			09/25/15 18:17	4
Vinyl chloride	ND		4.0	3.6	ug/L			09/25/15 18:17	4
Xylenes, Total	ND		8.0	2.6	ug/L			09/25/15 18:17	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*71 - 126*		*09/25/15 18:17*	*4*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/25/15 18:17*	*4*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/25/15 18:17*	*4*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*09/25/15 18:17*	*4*

Client Sample ID: MW-13 091615

Date Collected: 09/16/15 10:15
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-7
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			09/25/15 18:45	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			09/25/15 18:45	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			09/25/15 18:45	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			09/25/15 18:45	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			09/25/15 18:45	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			09/25/15 18:45	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			09/25/15 18:45	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			09/25/15 18:45	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			09/25/15 18:45	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			09/25/15 18:45	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			09/25/15 18:45	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			09/25/15 18:45	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			09/25/15 18:45	4
2-Butanone (MEK)	ND		40	5.3	ug/L			09/25/15 18:45	4
2-Hexanone	ND	*	20	5.0	ug/L			09/25/15 18:45	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			09/25/15 18:45	4
Acetone	ND		40	12	ug/L			09/25/15 18:45	4
Benzene	ND		4.0	1.6	ug/L			09/25/15 18:45	4
Bromodichloromethane	ND		4.0	1.6	ug/L			09/25/15 18:45	4
Bromoform	ND		4.0	1.0	ug/L			09/25/15 18:45	4
Bromomethane	ND		4.0	2.8	ug/L			09/25/15 18:45	4
Carbon disulfide	ND		4.0	0.76	ug/L			09/25/15 18:45	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			09/25/15 18:45	4
Chlorobenzene	ND		4.0	3.0	ug/L			09/25/15 18:45	4
Dibromochloromethane	ND		4.0	1.3	ug/L			09/25/15 18:45	4

Client Sample ID: MW-13 091615

Lab Sample ID: 480-87386-7

Date Collected: 09/16/15 10:15

Matrix: Water

Date Received: 09/17/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		4.0	1.3	ug/L			09/25/15 18:45	4
Chloroform	ND		4.0	1.4	ug/L			09/25/15 18:45	4
Chloromethane	ND		4.0	1.4	ug/L			09/25/15 18:45	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			09/25/15 18:45	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			09/25/15 18:45	4
Cyclohexane	ND		4.0	0.72	ug/L			09/25/15 18:45	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			09/25/15 18:45	4
Ethylbenzene	ND		4.0	3.0	ug/L			09/25/15 18:45	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			09/25/15 18:45	4
Isopropylbenzene	ND		4.0	3.2	ug/L			09/25/15 18:45	4
Methyl acetate	ND		10	5.2	ug/L			09/25/15 18:45	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			09/25/15 18:45	4
Methylcyclohexane	ND		4.0	0.64	ug/L			09/25/15 18:45	4
Methylene Chloride	**4.1**		4.0	1.8	ug/L			09/25/15 18:45	4
Styrene	ND		4.0	2.9	ug/L			09/25/15 18:45	4
Tetrachloroethene	ND		4.0	1.4	ug/L			09/25/15 18:45	4
Toluene	ND		4.0	2.0	ug/L			09/25/15 18:45	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			09/25/15 18:45	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			09/25/15 18:45	4
Trichloroethene	**260**		4.0	1.8	ug/L			09/25/15 18:45	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			09/25/15 18:45	4
Vinyl chloride	ND		4.0	3.6	ug/L			09/25/15 18:45	4
Xylenes, Total	ND		8.0	2.6	ug/L			09/25/15 18:45	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*71 - 126*		*09/25/15 18:45*	*4*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/25/15 18:45*	*4*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/25/15 18:45*	*4*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*09/25/15 18:45*	*4*

Client Sample ID: MW-12 091615

Lab Sample ID: 480-87386-8

Date Collected: 09/16/15 10:55

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 19:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 19:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 19:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 19:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 19:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 19:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 19:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 19:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 19:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 19:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 19:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 19:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 19:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 19:12	1

Client Sample ID: MW-12 091615

Lab Sample ID: 480-87386-8

Date Collected: 09/16/15 10:55

Matrix: Water

Date Received: 09/17/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 19:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 19:12	1
Acetone	ND		10	3.0	ug/L			09/25/15 19:12	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 19:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 19:12	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 19:12	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 19:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 19:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 19:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 19:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 19:12	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 19:12	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 19:12	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 19:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/15 19:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 19:12	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 19:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 19:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 19:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 19:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 19:12	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 19:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 19:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 19:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 19:12	1
Styrene	ND		1.0	0.73	ug/L			09/25/15 19:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/25/15 19:12	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 19:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 19:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 19:12	1
Trichloroethene	**16**		1.0	0.46	ug/L			09/25/15 19:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 19:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 19:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*71 - 126*		*09/25/15 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*09/25/15 19:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/25/15 19:12*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*09/25/15 19:12*	*1*

Client Sample ID: MW-9 091615

Lab Sample ID: 480-87386-9

Date Collected: 09/16/15 11:20

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 19:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 19:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 19:40	1

Client Sample ID: MW-9 091615
Date Collected: 09/16/15 11:20
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 19:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 19:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 19:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 19:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 19:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 19:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 19:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 19:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 19:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 19:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 19:40	1
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 19:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 19:40	1
Acetone	ND		10	3.0	ug/L			09/25/15 19:40	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 19:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 19:40	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 19:40	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 19:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 19:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 19:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 19:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 19:40	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 19:40	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 19:40	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 19:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/15 19:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 19:40	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 19:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 19:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 19:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 19:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 19:40	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 19:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 19:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 19:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 19:40	1
Styrene	ND		1.0	0.73	ug/L			09/25/15 19:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/25/15 19:40	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 19:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 19:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 19:40	1
Trichloroethene	**46**		1.0	0.46	ug/L			09/25/15 19:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 19:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 19:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*71 - 126*		*09/25/15 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/25/15 19:40*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*09/25/15 19:40*	*1*

Client Sample ID: MW-9 091615

Lab Sample ID: 480-87386-9

Date Collected: 09/16/15 11:20

Matrix: Water

Date Received: 09/17/15 01:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*09/25/15 19:40*	*1*

Client Sample ID: PZ-2 091615

Lab Sample ID: 480-87386-10

Date Collected: 09/16/15 11:45

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 20:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 20:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 20:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 20:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 20:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 20:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 20:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 20:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 20:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 20:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 20:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 20:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 20:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 20:07	1
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 20:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 20:07	1
Acetone	ND		10	3.0	ug/L			09/25/15 20:07	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 20:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 20:07	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 20:07	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 20:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 20:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 20:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 20:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 20:07	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 20:07	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 20:07	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 20:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/15 20:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 20:07	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 20:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 20:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 20:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 20:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 20:07	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 20:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 20:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 20:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 20:07	1
Styrene	ND		1.0	0.73	ug/L			09/25/15 20:07	1
Tetrachloroethene	**0.49**	**J**	1.0	0.36	ug/L			09/25/15 20:07	1

Client Sample ID: PZ-2 091615

Lab Sample ID: 480-87386-10

Date Collected: 09/16/15 11:45

Matrix: Water

Date Received: 09/17/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			09/25/15 20:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 20:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 20:07	1
Trichloroethene	**83**		1.0	0.46	ug/L			09/25/15 20:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 20:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 20:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 126*		*09/25/15 20:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*09/25/15 20:07*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/25/15 20:07*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*09/25/15 20:07*	*1*

Client Sample ID: MW-17 091615

Lab Sample ID: 480-87386-11

Date Collected: 09/16/15 12:00

Matrix: Water

Date Received: 09/17/15 01:20

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			09/25/15 20:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 20:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 20:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 20:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 20:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 20:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 20:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 20:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 20:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 20:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 20:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 20:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 20:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 20:35	1
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 20:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 20:35	1
Acetone	**4.2**	**J**	10	3.0	ug/L			09/25/15 20:35	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 20:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 20:35	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 20:35	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 20:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 20:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 20:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 20:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 20:35	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 20:35	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 20:35	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 20:35	1
cis-1,2-Dichloroethene	**16**		1.0	0.81	ug/L			09/25/15 20:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 20:35	1

Client Sample ID: MW-17 091615

Lab Sample ID: 480-87386-11

Date Collected: 09/16/15 12:00

Matrix: Water

Date Received: 09/17/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 20:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 20:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 20:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 20:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 20:35	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 20:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 20:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 20:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 20:35	1
Styrene	ND		1.0	0.73	ug/L			09/25/15 20:35	1
Tetrachloroethene	**5.9**		1.0	0.36	ug/L			09/25/15 20:35	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 20:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 20:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 20:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 20:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 20:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*71 - 126*		*09/25/15 20:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*09/25/15 20:35*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/25/15 20:35*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*09/25/15 20:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**190**		5.0	2.3	ug/L			09/26/15 02:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*71 - 126*		*09/26/15 02:10*	*5*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/26/15 02:10*	*5*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/26/15 02:10*	*5*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*09/26/15 02:10*	*5*

Client Sample ID: MW-21 091615

Lab Sample ID: 480-87386-12

Date Collected: 09/16/15 12:20

Matrix: Water

Date Received: 09/17/15 01:20

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			09/26/15 02:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/26/15 02:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/26/15 02:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/26/15 02:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/26/15 02:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/26/15 02:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/26/15 02:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/26/15 02:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/26/15 02:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/26/15 02:38	1

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-21 091615
Date Collected: 09/16/15 12:20
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/26/15 02:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/26/15 02:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/26/15 02:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/26/15 02:38	1
2-Hexanone	ND		5.0	1.2	ug/L			09/26/15 02:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/26/15 02:38	1
Acetone	**5.1**	**J**	10	3.0	ug/L			09/26/15 02:38	1
Benzene	ND		1.0	0.41	ug/L			09/26/15 02:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/26/15 02:38	1
Bromoform	ND		1.0	0.26	ug/L			09/26/15 02:38	1
Bromomethane	ND		1.0	0.69	ug/L			09/26/15 02:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/26/15 02:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/26/15 02:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/26/15 02:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/26/15 02:38	1
Chloroethane	ND		1.0	0.32	ug/L			09/26/15 02:38	1
Chloroform	ND		1.0	0.34	ug/L			09/26/15 02:38	1
Chloromethane	ND		1.0	0.35	ug/L			09/26/15 02:38	1
cis-1,2-Dichloroethene	**40**		1.0	0.81	ug/L			09/26/15 02:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/26/15 02:38	1
Cyclohexane	ND		1.0	0.18	ug/L			09/26/15 02:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/26/15 02:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/15 02:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/26/15 02:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/26/15 02:38	1
Methyl acetate	ND		2.5	1.3	ug/L			09/26/15 02:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/26/15 02:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/26/15 02:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/26/15 02:38	1
Styrene	ND		1.0	0.73	ug/L			09/26/15 02:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/26/15 02:38	1
Toluene	ND		1.0	0.51	ug/L			09/26/15 02:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/26/15 02:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/26/15 02:38	1
Trichloroethene	**18**		1.0	0.46	ug/L			09/26/15 02:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/26/15 02:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/26/15 02:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/15 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*71 - 126*		*09/26/15 02:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*09/26/15 02:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/26/15 02:38*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*09/26/15 02:38*	*1*

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-24 091615
Date Collected: 09/16/15 12:35
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-13
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			09/26/15 03:06	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			09/26/15 03:06	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			09/26/15 03:06	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			09/26/15 03:06	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			09/26/15 03:06	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			09/26/15 03:06	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			09/26/15 03:06	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			09/26/15 03:06	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			09/26/15 03:06	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			09/26/15 03:06	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			09/26/15 03:06	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			09/26/15 03:06	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			09/26/15 03:06	5
2-Butanone (MEK)	ND		50	6.6	ug/L			09/26/15 03:06	5
2-Hexanone	ND		25	6.2	ug/L			09/26/15 03:06	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			09/26/15 03:06	5
Acetone	ND		50	15	ug/L			09/26/15 03:06	5
Benzene	ND		5.0	2.1	ug/L			09/26/15 03:06	5
Bromodichloromethane	ND		5.0	2.0	ug/L			09/26/15 03:06	5
Bromoform	ND		5.0	1.3	ug/L			09/26/15 03:06	5
Bromomethane	ND		5.0	3.5	ug/L			09/26/15 03:06	5
Carbon disulfide	ND		5.0	0.95	ug/L			09/26/15 03:06	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			09/26/15 03:06	5
Chlorobenzene	ND		5.0	3.8	ug/L			09/26/15 03:06	5
Dibromochloromethane	ND		5.0	1.6	ug/L			09/26/15 03:06	5
Chloroethane	ND		5.0	1.6	ug/L			09/26/15 03:06	5
Chloroform	ND		5.0	1.7	ug/L			09/26/15 03:06	5
Chloromethane	ND		5.0	1.8	ug/L			09/26/15 03:06	5
cis-1,2-Dichloroethene	**150**		5.0	4.1	ug/L			09/26/15 03:06	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			09/26/15 03:06	5
Cyclohexane	ND		5.0	0.90	ug/L			09/26/15 03:06	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			09/26/15 03:06	5
Ethylbenzene	ND		5.0	3.7	ug/L			09/26/15 03:06	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			09/26/15 03:06	5
Isopropylbenzene	ND		5.0	4.0	ug/L			09/26/15 03:06	5
Methyl acetate	ND		13	6.5	ug/L			09/26/15 03:06	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			09/26/15 03:06	5
Methylcyclohexane	ND		5.0	0.80	ug/L			09/26/15 03:06	5
Methylene Chloride	ND		5.0	2.2	ug/L			09/26/15 03:06	5
Styrene	ND		5.0	3.7	ug/L			09/26/15 03:06	5
Tetrachloroethene	ND		5.0	1.8	ug/L			09/26/15 03:06	5
Toluene	ND		5.0	2.6	ug/L			09/26/15 03:06	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			09/26/15 03:06	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			09/26/15 03:06	5
Trichloroethene	**380**		5.0	2.3	ug/L			09/26/15 03:06	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			09/26/15 03:06	5
Vinyl chloride	ND		5.0	4.5	ug/L			09/26/15 03:06	5
Xylenes, Total	ND		10	3.3	ug/L			09/26/15 03:06	5

Client Sample ID: MW-24 091615

Lab Sample ID: 480-87386-13

Date Collected: 09/16/15 12:35
Matrix: Water
Date Received: 09/17/15 01:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		71 - 126		09/26/15 03:06	5
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		09/26/15 03:06	5
4-Bromofluorobenzene (Surr)	97		73 - 120		09/26/15 03:06	5
Dibromofluoromethane (Surr)	99		60 - 140		09/26/15 03:06	5

Client Sample ID: MW-22 091615

Lab Sample ID: 480-87386-14

Date Collected: 09/16/15 12:50
Matrix: Water
Date Received: 09/17/15 01:20

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			09/26/15 03:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/26/15 03:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/26/15 03:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/26/15 03:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/26/15 03:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/26/15 03:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/26/15 03:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/26/15 03:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/26/15 03:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/26/15 03:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/26/15 03:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/26/15 03:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/26/15 03:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/26/15 03:33	1
2-Hexanone	ND		5.0	1.2	ug/L			09/26/15 03:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/26/15 03:33	1
Acetone	ND		10	3.0	ug/L			09/26/15 03:33	1
Benzene	ND		1.0	0.41	ug/L			09/26/15 03:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/26/15 03:33	1
Bromoform	ND		1.0	0.26	ug/L			09/26/15 03:33	1
Bromomethane	ND		1.0	0.69	ug/L			09/26/15 03:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/26/15 03:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/26/15 03:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/26/15 03:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/26/15 03:33	1
Chloroethane	ND		1.0	0.32	ug/L			09/26/15 03:33	1
Chloroform	ND		1.0	0.34	ug/L			09/26/15 03:33	1
Chloromethane	ND		1.0	0.35	ug/L			09/26/15 03:33	1
cis-1,2-Dichloroethene	**54**		1.0	0.81	ug/L			09/26/15 03:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/26/15 03:33	1
Cyclohexane	ND		1.0	0.18	ug/L			09/26/15 03:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/26/15 03:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/15 03:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/26/15 03:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/26/15 03:33	1
Methyl acetate	ND		2.5	1.3	ug/L			09/26/15 03:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/26/15 03:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/26/15 03:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/26/15 03:33	1

Client Sample ID: MW-22 091615

Lab Sample ID: 480-87386-14

Date Collected: 09/16/15 12:50

Matrix: Water

Date Received: 09/17/15 01:20

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			09/26/15 03:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/26/15 03:33	1
Toluene	ND		1.0	0.51	ug/L			09/26/15 03:33	1
trans-1,2-Dichloroethene	**5.2**		1.0	0.90	ug/L			09/26/15 03:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/26/15 03:33	1
Trichloroethene	**9.5**		1.0	0.46	ug/L			09/26/15 03:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/26/15 03:33	1
Vinyl chloride	**1.3**		1.0	0.90	ug/L			09/26/15 03:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/15 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*71 - 126*		*09/26/15 03:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*09/26/15 03:33*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/26/15 03:33*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*09/26/15 03:33*	*1*

Client Sample ID: MW-18 091615

Lab Sample ID: 480-87386-15

Date Collected: 09/16/15 13:05

Matrix: Water

Date Received: 09/17/15 01:20

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			09/26/15 04:01	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			09/26/15 04:01	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			09/26/15 04:01	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			09/26/15 04:01	10
1,1-Dichloroethane	ND		10	3.8	ug/L			09/26/15 04:01	10
1,1-Dichloroethene	ND		10	2.9	ug/L			09/26/15 04:01	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			09/26/15 04:01	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/26/15 04:01	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			09/26/15 04:01	10
1,2-Dichloroethane	ND		10	2.1	ug/L			09/26/15 04:01	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/26/15 04:01	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			09/26/15 04:01	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			09/26/15 04:01	10
2-Butanone (MEK)	ND		100	13	ug/L			09/26/15 04:01	10
2-Hexanone	ND		50	12	ug/L			09/26/15 04:01	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/26/15 04:01	10
Acetone	ND		100	30	ug/L			09/26/15 04:01	10
Benzene	ND		10	4.1	ug/L			09/26/15 04:01	10
Bromodichloromethane	ND		10	3.9	ug/L			09/26/15 04:01	10
Bromoform	ND		10	2.6	ug/L			09/26/15 04:01	10
Bromomethane	ND		10	6.9	ug/L			09/26/15 04:01	10
Carbon disulfide	ND		10	1.9	ug/L			09/26/15 04:01	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/26/15 04:01	10
Chlorobenzene	ND		10	7.5	ug/L			09/26/15 04:01	10
Dibromochloromethane	ND		10	3.2	ug/L			09/26/15 04:01	10
Chloroethane	ND		10	3.2	ug/L			09/26/15 04:01	10
Chloroform	ND		10	3.4	ug/L			09/26/15 04:01	10
Chloromethane	ND		10	3.5	ug/L			09/26/15 04:01	10

Client Sample ID: MW-18 091615

Date Collected: 09/16/15 13:05
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-15
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	**430**	**F1**	10	8.1	ug/L			09/26/15 04:01	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/26/15 04:01	10
Cyclohexane	ND		10	1.8	ug/L			09/26/15 04:01	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			09/26/15 04:01	10
Ethylbenzene	ND		10	7.4	ug/L			09/26/15 04:01	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/26/15 04:01	10
Isopropylbenzene	ND		10	7.9	ug/L			09/26/15 04:01	10
Methyl acetate	ND		25	13	ug/L			09/26/15 04:01	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/26/15 04:01	10
Methylcyclohexane	ND		10	1.6	ug/L			09/26/15 04:01	10
Methylene Chloride	ND		10	4.4	ug/L			09/26/15 04:01	10
Styrene	ND		10	7.3	ug/L			09/26/15 04:01	10
Tetrachloroethene	ND		10	3.6	ug/L			09/26/15 04:01	10
Toluene	ND		10	5.1	ug/L			09/26/15 04:01	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			09/26/15 04:01	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/26/15 04:01	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/26/15 04:01	10
Vinyl chloride	ND		10	9.0	ug/L			09/26/15 04:01	10
Xylenes, Total	ND		20	6.6	ug/L			09/26/15 04:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*71 - 126*		*09/26/15 04:01*	*10*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*09/26/15 04:01*	*10*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/26/15 04:01*	*10*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*09/26/15 04:01*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1500**	**F1**	25	12	ug/L			09/26/15 13:13	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 126*		*09/26/15 13:13*	*25*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*09/26/15 13:13*	*25*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/15 13:13*	*25*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*09/26/15 13:13*	*25*

Client Sample ID: MW-15 091615

Date Collected: 09/16/15 13:55
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-16
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			09/26/15 04:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/26/15 04:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/26/15 04:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/26/15 04:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/26/15 04:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/26/15 04:28	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/26/15 04:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/26/15 04:28	1

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-15 091615
Date Collected: 09/16/15 13:55
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/26/15 04:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/26/15 04:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/26/15 04:28	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/26/15 04:28	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/26/15 04:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/26/15 04:28	1
2-Hexanone	ND		5.0	1.2	ug/L			09/26/15 04:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/26/15 04:28	1
Acetone	ND		10	3.0	ug/L			09/26/15 04:28	1
Benzene	ND		1.0	0.41	ug/L			09/26/15 04:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/26/15 04:28	1
Bromoform	ND		1.0	0.26	ug/L			09/26/15 04:28	1
Bromomethane	ND		1.0	0.69	ug/L			09/26/15 04:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/26/15 04:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/26/15 04:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/26/15 04:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/26/15 04:28	1
Chloroethane	ND		1.0	0.32	ug/L			09/26/15 04:28	1
Chloroform	ND		1.0	0.34	ug/L			09/26/15 04:28	1
Chloromethane	ND		1.0	0.35	ug/L			09/26/15 04:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/26/15 04:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/26/15 04:28	1
Cyclohexane	ND		1.0	0.18	ug/L			09/26/15 04:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/26/15 04:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/15 04:28	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/26/15 04:28	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/26/15 04:28	1
Methyl acetate	ND		2.5	1.3	ug/L			09/26/15 04:28	1
Methyl tert-butyl ether	**0.26**	**J**	1.0	0.16	ug/L			09/26/15 04:28	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/26/15 04:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/26/15 04:28	1
Styrene	ND		1.0	0.73	ug/L			09/26/15 04:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/26/15 04:28	1
Toluene	ND		1.0	0.51	ug/L			09/26/15 04:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/26/15 04:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/26/15 04:28	1
Trichloroethene	**0.82**	**J**	1.0	0.46	ug/L			09/26/15 04:28	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/26/15 04:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/26/15 04:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/15 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*71 - 126*		*09/26/15 04:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*09/26/15 04:28*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*09/26/15 04:28*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*09/26/15 04:28*	*1*

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-16 091516
Date Collected: 09/16/15 14:25
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-17
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			09/26/15 04:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/26/15 04:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/26/15 04:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/26/15 04:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/26/15 04:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/26/15 04:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/26/15 04:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/26/15 04:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/26/15 04:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/26/15 04:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/26/15 04:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/26/15 04:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/26/15 04:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/26/15 04:56	1
2-Hexanone	ND		5.0	1.2	ug/L			09/26/15 04:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/26/15 04:56	1
Acetone	ND		10	3.0	ug/L			09/26/15 04:56	1
Benzene	ND		1.0	0.41	ug/L			09/26/15 04:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/26/15 04:56	1
Bromoform	ND		1.0	0.26	ug/L			09/26/15 04:56	1
Bromomethane	ND		1.0	0.69	ug/L			09/26/15 04:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/26/15 04:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/26/15 04:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/26/15 04:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/26/15 04:56	1
Chloroethane	ND		1.0	0.32	ug/L			09/26/15 04:56	1
Chloroform	ND		1.0	0.34	ug/L			09/26/15 04:56	1
Chloromethane	ND		1.0	0.35	ug/L			09/26/15 04:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/26/15 04:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/26/15 04:56	1
Cyclohexane	ND		1.0	0.18	ug/L			09/26/15 04:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/26/15 04:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/15 04:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/26/15 04:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/26/15 04:56	1
Methyl acetate	ND		2.5	1.3	ug/L			09/26/15 04:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/26/15 04:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/26/15 04:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/26/15 04:56	1
Styrene	ND		1.0	0.73	ug/L			09/26/15 04:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/26/15 04:56	1
Toluene	ND		1.0	0.51	ug/L			09/26/15 04:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/26/15 04:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/26/15 04:56	1
Trichloroethene	**1.5**		1.0	0.46	ug/L			09/26/15 04:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/26/15 04:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/26/15 04:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/15 04:56	1

Client Sample ID: MW-16 091516

Lab Sample ID: 480-87386-17

Date Collected: 09/16/15 14:25
Matrix: Water
Date Received: 09/17/15 01:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	93		71 - 126		09/26/15 04:56	1
1,2-Dichloroethane-d4 (Surr)	97		66 - 137		09/26/15 04:56	1
4-Bromofluorobenzene (Surr)	96		73 - 120		09/26/15 04:56	1
Dibromofluoromethane (Surr)	98		60 - 140		09/26/15 04:56	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-87386-18

Date Collected: 09/16/15 00:00
Matrix: Water
Date Received: 09/17/15 01:20

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			09/25/15 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 13:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 13:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 13:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 13:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 13:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 13:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 13:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 13:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 13:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 13:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 13:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 13:15	1
2-Hexanone	ND	*	5.0	1.2	ug/L			09/25/15 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 13:15	1
Acetone	ND		10	3.0	ug/L			09/25/15 13:15	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 13:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 13:15	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 13:15	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 13:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 13:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 13:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 13:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 13:15	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 13:15	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 13:15	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/15 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 13:15	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 13:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 13:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 13:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 13:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 13:15	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 13:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 13:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 13:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 13:15	1

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: TRIP BLANK
Date Collected: 09/16/15 00:00
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-18
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			09/25/15 13:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/25/15 13:15	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 13:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 13:15	1
Trichloroethene	ND		1.0	0.46	ug/L			09/25/15 13:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 13:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 13:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*71 - 126*		*09/25/15 13:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*09/25/15 13:15*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/25/15 13:15*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*09/25/15 13:15*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-87386-1

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)
480-87386-1	MW-5 091615	92	98	95	98
480-87386-2	MW-6 091615	94	97	95	99
480-87386-3	PZ-1 091615	94	96	96	100
480-87386-4	MW-11 091615	96	97	97	99
480-87386-5	MW-10 091615	96	100	98	99
480-87386-5 - DL	MW-10 091615	94	97	99	96
480-87386-6	MW-14 091615	95	97	98	99
480-87386-7	MW-13 091615	93	97	96	101
480-87386-8	MW-12 091615	93	96	94	100
480-87386-9	MW-9 091615	95	97	96	100
480-87386-10	PZ-2 091615	94	99	98	100
480-87386-11	MW-17 091615	92	98	95	99
480-87386-11 - DL	MW-17 091615	93	97	95	98
480-87386-12	MW-21 091615	93	95	97	98
480-87386-13	MW-24 091615	94	97	97	99
480-87386-14	MW-22 091615	92	100	94	99
480-87386-15	MW-18 091615	95	97	97	97
480-87386-15 - DL	MW-18 091615	94	95	99	98
480-87386-15 MS	MW-18 091615	95	99	101	98
480-87386-15 MS	MW-18 091615	95	97	100	100
480-87386-15 MSD	MW-18 091615	95	98	99	99
480-87386-15 MSD	MW-18 091615	96	95	103	101
480-87386-16	MW-15 091615	93	98	94	99
480-87386-17	MW-16 091516	93	97	96	98
480-87386-18	TRIP BLANK	93	98	95	99
LCS 480-265520/4	Lab Control Sample	95	103	100	96
LCS 480-265612/4	Lab Control Sample	95	96	100	98
LCS 480-265649/4	Lab Control Sample	95	98	99	99
MB 480-265520/6	Method Blank	93	95	95	95
MB 480-265612/6	Method Blank	98	83	93	90
MB 480-265649/6	Method Blank	94	96	99	97

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 480-265520/6
Matrix: Water
Analysis Batch: 265520

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			09/25/15 12:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/25/15 12:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/25/15 12:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/25/15 12:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/25/15 12:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/25/15 12:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/25/15 12:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/25/15 12:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/25/15 12:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/25/15 12:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/25/15 12:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/25/15 12:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/25/15 12:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/25/15 12:11	1
2-Hexanone	ND		5.0	1.2	ug/L			09/25/15 12:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/25/15 12:11	1
Acetone	ND		10	3.0	ug/L			09/25/15 12:11	1
Benzene	ND		1.0	0.41	ug/L			09/25/15 12:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/25/15 12:11	1
Bromoform	ND		1.0	0.26	ug/L			09/25/15 12:11	1
Bromomethane	ND		1.0	0.69	ug/L			09/25/15 12:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/25/15 12:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/25/15 12:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/25/15 12:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/25/15 12:11	1
Chloroethane	ND		1.0	0.32	ug/L			09/25/15 12:11	1
Chloroform	ND		1.0	0.34	ug/L			09/25/15 12:11	1
Chloromethane	ND		1.0	0.35	ug/L			09/25/15 12:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/25/15 12:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/25/15 12:11	1
Cyclohexane	ND		1.0	0.18	ug/L			09/25/15 12:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/25/15 12:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/25/15 12:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/25/15 12:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/25/15 12:11	1
Methyl acetate	ND		2.5	1.3	ug/L			09/25/15 12:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/25/15 12:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/25/15 12:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/25/15 12:11	1
Styrene	ND		1.0	0.73	ug/L			09/25/15 12:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/25/15 12:11	1
Toluene	ND		1.0	0.51	ug/L			09/25/15 12:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/25/15 12:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/25/15 12:11	1
Trichloroethene	ND		1.0	0.46	ug/L			09/25/15 12:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/25/15 12:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/25/15 12:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/25/15 12:11	1

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

Lab Sample ID: MB 480-265520/6
Matrix: Water
Analysis Batch: 265520

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*93*		*71 - 126*		*09/25/15 12:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*		*09/25/15 12:11*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*09/25/15 12:11*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*		*09/25/15 12:11*	*1*

Lab Sample ID: LCS 480-265520/4
Matrix: Water
Analysis Batch: 265520

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.2		ug/L		97	71 - 129
1,1-Dichloroethene	25.0	23.4		ug/L		94	58 - 121
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124
1,2-Dichloroethane	25.0	23.4		ug/L		94	75 - 127
Benzene	25.0	23.4		ug/L		94	71 - 124
Chlorobenzene	25.0	23.5		ug/L		94	72 - 120
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
Ethylbenzene	25.0	22.8		ug/L		91	77 - 123
Methyl tert-butyl ether	25.0	24.3		ug/L		97	64 - 127
Tetrachloroethene	25.0	23.9		ug/L		96	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
Trichloroethene	25.0	23.9		ug/L		96	74 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*95*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*60 - 140*

Lab Sample ID: MB 480-265612/6
Matrix: Water
Analysis Batch: 265612

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			09/26/15 01:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/26/15 01:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/26/15 01:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/26/15 01:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/26/15 01:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/26/15 01:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/26/15 01:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/26/15 01:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/26/15 01:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/26/15 01:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/26/15 01:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/26/15 01:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/26/15 01:15	1

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

Lab Sample ID: MB 480-265612/6
Matrix: Water
Analysis Batch: 265612

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			09/26/15 01:15	1
2-Hexanone	ND		5.0	1.2	ug/L			09/26/15 01:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/26/15 01:15	1
Acetone	ND		10	3.0	ug/L			09/26/15 01:15	1
Benzene	ND		1.0	0.41	ug/L			09/26/15 01:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/26/15 01:15	1
Bromoform	ND		1.0	0.26	ug/L			09/26/15 01:15	1
Bromomethane	ND		1.0	0.69	ug/L			09/26/15 01:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/26/15 01:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/26/15 01:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/26/15 01:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/26/15 01:15	1
Chloroethane	ND		1.0	0.32	ug/L			09/26/15 01:15	1
Chloroform	ND		1.0	0.34	ug/L			09/26/15 01:15	1
Chloromethane	ND		1.0	0.35	ug/L			09/26/15 01:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/26/15 01:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/26/15 01:15	1
Cyclohexane	ND		1.0	0.18	ug/L			09/26/15 01:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/26/15 01:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/15 01:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/26/15 01:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/26/15 01:15	1
Methyl acetate	ND		2.5	1.3	ug/L			09/26/15 01:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/26/15 01:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/26/15 01:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/26/15 01:15	1
Styrene	ND		1.0	0.73	ug/L			09/26/15 01:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/26/15 01:15	1
Toluene	ND		1.0	0.51	ug/L			09/26/15 01:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/26/15 01:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/26/15 01:15	1
Trichloroethene	ND		1.0	0.46	ug/L			09/26/15 01:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/26/15 01:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/26/15 01:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/15 01:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 126*		*09/26/15 01:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*83*		*66 - 137*		*09/26/15 01:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*09/26/15 01:15*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*		*09/26/15 01:15*	*1*

Lab Sample ID: LCS 480-265612/4
Matrix: Water
Analysis Batch: 265612

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethane			25.0	22.8		ug/L		91	71 - 129		

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

Lab Sample ID: LCS 480-265612/4
Matrix: Water
Analysis Batch: 265612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	25.0	21.1		ug/L		84	58 - 121
1,2-Dichlorobenzene	25.0	22.8		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	22.8		ug/L		91	75 - 127
Benzene	25.0	22.6		ug/L		90	71 - 124
Chlorobenzene	25.0	22.7		ug/L		91	72 - 120
cis-1,2-Dichloroethene	25.0	22.8		ug/L		91	74 - 124
Ethylbenzene	25.0	21.9		ug/L		88	77 - 123
Methyl tert-butyl ether	25.0	22.9		ug/L		92	64 - 127
Tetrachloroethene	25.0	21.7		ug/L		87	74 - 122
Toluene	25.0	22.2		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	22.1		ug/L		88	73 - 127
Trichloroethene	25.0	22.8		ug/L		91	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Lab Sample ID: 480-87386-15 MS
Matrix: Water
Analysis Batch: 265612

Client Sample ID: MW-18 091615
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		250	236		ug/L		95	71 - 129
1,1-Dichloroethene	ND		250	220		ug/L		88	58 - 121
1,2-Dichlorobenzene	ND		250	225		ug/L		90	80 - 124
1,2-Dichloroethane	ND		250	231		ug/L		92	75 - 127
Benzene	ND		250	230		ug/L		92	71 - 124
Chlorobenzene	ND		250	229		ug/L		92	72 - 120
cis-1,2-Dichloroethene	430	F1	250	584	F1	ug/L		63	74 - 124
Ethylbenzene	ND		250	217		ug/L		87	77 - 123
Methyl tert-butyl ether	ND		250	229		ug/L		92	64 - 127
Tetrachloroethene	ND		250	222		ug/L		89	74 - 122
Toluene	ND		250	223		ug/L		89	80 - 122
trans-1,2-Dichloroethene	ND		250	228		ug/L		91	73 - 127
Trichloroethene	1400	E	250	1350	E 4	ug/L		-26	74 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

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

Lab Sample ID: 480-87386-15 MSD
Matrix: Water
Analysis Batch: 265612

Client Sample ID: MW-18 091615
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-Dichloroethane	ND		250	244		ug/L		98	71 - 129	3	20
1,1-Dichloroethene	ND		250	235		ug/L		94	58 - 121	7	16
1,2-Dichlorobenzene	ND		250	229		ug/L		91	80 - 124	2	20
1,2-Dichloroethane	ND		250	231		ug/L		92	75 - 127	0	20
Benzene	ND		250	241		ug/L		96	71 - 124	4	13
Chlorobenzene	ND		250	236		ug/L		94	72 - 120	3	25
cis-1,2-Dichloroethene	430	F1	250	602	F1	ug/L		70	74 - 124	3	15
Ethylbenzene	ND		250	229		ug/L		92	77 - 123	6	15
Methyl tert-butyl ether	ND		250	235		ug/L		94	64 - 127	2	37
Tetrachloroethene	ND		250	234		ug/L		94	74 - 122	5	20
Toluene	ND		250	234		ug/L		93	80 - 122	5	15
trans-1,2-Dichloroethene	ND		250	243		ug/L		97	73 - 127	6	20
Trichloroethene	1400	E	250	1410	E 4	ug/L		-2	74 - 123	4	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

Lab Sample ID: MB 480-265649/6
Matrix: Water
Analysis Batch: 265649

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			09/26/15 12:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/26/15 12:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/26/15 12:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/26/15 12:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/26/15 12:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/26/15 12:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/26/15 12:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/26/15 12:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/26/15 12:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/26/15 12:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/26/15 12:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/26/15 12:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/26/15 12:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/26/15 12:17	1
2-Hexanone	ND		5.0	1.2	ug/L			09/26/15 12:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/26/15 12:17	1
Acetone	ND		10	3.0	ug/L			09/26/15 12:17	1
Benzene	ND		1.0	0.41	ug/L			09/26/15 12:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/26/15 12:17	1
Bromoform	ND		1.0	0.26	ug/L			09/26/15 12:17	1
Bromomethane	ND		1.0	0.69	ug/L			09/26/15 12:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/26/15 12:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/26/15 12:17	1

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

Lab Sample ID: MB 480-265649/6
Matrix: Water
Analysis Batch: 265649

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.75	ug/L			09/26/15 12:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/26/15 12:17	1
Chloroethane	ND		1.0	0.32	ug/L			09/26/15 12:17	1
Chloroform	ND		1.0	0.34	ug/L			09/26/15 12:17	1
Chloromethane	ND		1.0	0.35	ug/L			09/26/15 12:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/26/15 12:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/26/15 12:17	1
Cyclohexane	ND		1.0	0.18	ug/L			09/26/15 12:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/26/15 12:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/26/15 12:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/26/15 12:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/26/15 12:17	1
Methyl acetate	ND		2.5	1.3	ug/L			09/26/15 12:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/26/15 12:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/26/15 12:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/26/15 12:17	1
Styrene	ND		1.0	0.73	ug/L			09/26/15 12:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/26/15 12:17	1
Toluene	ND		1.0	0.51	ug/L			09/26/15 12:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/26/15 12:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/26/15 12:17	1
Trichloroethene	ND		1.0	0.46	ug/L			09/26/15 12:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/26/15 12:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/26/15 12:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/26/15 12:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*71 - 126*		*09/26/15 12:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*09/26/15 12:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/26/15 12:17*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*09/26/15 12:17*	*1*

Lab Sample ID: LCS 480-265649/4
Matrix: Water
Analysis Batch: 265649

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	25.0	24.4		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	23.8		ug/L		95	58 - 121
1,2-Dichlorobenzene	25.0	23.1		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 127
Benzene	25.0	24.0		ug/L		96	71 - 124
Chlorobenzene	25.0	23.6		ug/L		94	72 - 120
cis-1,2-Dichloroethene	25.0	23.6		ug/L		94	74 - 124
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Methyl tert-butyl ether	25.0	24.5		ug/L		98	64 - 127
Tetrachloroethene	25.0	23.8		ug/L		95	74 - 122
Toluene	25.0	23.2		ug/L		93	80 - 122

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

Lab Sample ID: LCS 480-265649/4
Matrix: Water
Analysis Batch: 265649

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	25.0	24.0		ug/L		96	73 - 127
Trichloroethene	25.0	24.4		ug/L		98	74 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

Lab Sample ID: 480-87386-15 MS
Matrix: Water
Analysis Batch: 265649

Client Sample ID: MW-18 091615
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		625	632		ug/L		101	71 - 129
1,1-Dichloroethene	ND		625	605		ug/L		97	58 - 121
1,2-Dichlorobenzene	ND		625	582		ug/L		93	80 - 124
1,2-Dichloroethane	ND		625	602		ug/L		96	75 - 127
Benzene	ND		625	618		ug/L		99	71 - 124
Chlorobenzene	ND		625	600		ug/L		96	72 - 120
cis-1,2-Dichloroethene	460		625	974		ug/L		81	74 - 124
Ethylbenzene	ND		625	578		ug/L		92	77 - 123
Methyl tert-butyl ether	ND		625	603		ug/L		96	64 - 127
Tetrachloroethene	ND		625	595		ug/L		95	74 - 122
Toluene	ND		625	597		ug/L		96	80 - 122
trans-1,2-Dichloroethene	ND		625	610		ug/L		98	73 - 127
Trichloroethene	1500	F1	625	1730	F1	ug/L		33	74 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: 480-87386-15 MSD
Matrix: Water
Analysis Batch: 265649

Client Sample ID: MW-18 091615
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-Dichloroethane	ND		625	610		ug/L		98	71 - 129	4	20
1,1-Dichloroethene	ND		625	587		ug/L		94	58 - 121	3	16
1,2-Dichlorobenzene	ND		625	567		ug/L		91	80 - 124	3	20
1,2-Dichloroethane	ND		625	593		ug/L		95	75 - 127	2	20
Benzene	ND		625	594		ug/L		95	71 - 124	4	13
Chlorobenzene	ND		625	591		ug/L		95	72 - 120	1	25
cis-1,2-Dichloroethene	460		625	948		ug/L		77	74 - 124	3	15
Ethylbenzene	ND		625	569		ug/L		91	77 - 123	2	15
Methyl tert-butyl ether	ND		625	608		ug/L		97	64 - 127	1	37

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

Lab Sample ID: 480-87386-15 MSD
Matrix: Water
Analysis Batch: 265649

Client Sample ID: MW-18 091615
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	ND		625	583		ug/L		93	74 - 122	2	20
Toluene	ND		625	584		ug/L		93	80 - 122	2	15
trans-1,2-Dichloroethene	ND		625	596		ug/L		95	73 - 127	2	20
Trichloroethene	1500	F1	625	1690	F1	ug/L		26	74 - 123	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*71 - 126*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

GC/MS VOA

Analysis Batch: 265520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87386-1	MW-5 091615	Total/NA	Water	8260C	
480-87386-2	MW-6 091615	Total/NA	Water	8260C	
480-87386-3	PZ-1 091615	Total/NA	Water	8260C	
480-87386-4	MW-11 091615	Total/NA	Water	8260C	
480-87386-5	MW-10 091615	Total/NA	Water	8260C	
480-87386-6	MW-14 091615	Total/NA	Water	8260C	
480-87386-7	MW-13 091615	Total/NA	Water	8260C	
480-87386-8	MW-12 091615	Total/NA	Water	8260C	
480-87386-9	MW-9 091615	Total/NA	Water	8260C	
480-87386-10	PZ-2 091615	Total/NA	Water	8260C	
480-87386-11	MW-17 091615	Total/NA	Water	8260C	
480-87386-18	TRIP BLANK	Total/NA	Water	8260C	
LCS 480-265520/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-265520/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 265612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87386-5 - DL	MW-10 091615	Total/NA	Water	8260C	
480-87386-11 - DL	MW-17 091615	Total/NA	Water	8260C	
480-87386-12	MW-21 091615	Total/NA	Water	8260C	
480-87386-13	MW-24 091615	Total/NA	Water	8260C	
480-87386-14	MW-22 091615	Total/NA	Water	8260C	
480-87386-15	MW-18 091615	Total/NA	Water	8260C	
480-87386-15 MS	MW-18 091615	Total/NA	Water	8260C	
480-87386-15 MSD	MW-18 091615	Total/NA	Water	8260C	
480-87386-16	MW-15 091615	Total/NA	Water	8260C	
480-87386-17	MW-16 091516	Total/NA	Water	8260C	
LCS 480-265612/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-265612/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 265649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-87386-15 - DL	MW-18 091615	Total/NA	Water	8260C	
480-87386-15 MS	MW-18 091615	Total/NA	Water	8260C	
480-87386-15 MSD	MW-18 091615	Total/NA	Water	8260C	
LCS 480-265649/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-265649/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-5 091615
Lab Sample ID: 480-87386-1
Date Collected: 09/16/15 07:45
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 16:00	SWO	TAL BUF

Client Sample ID: MW-6 091615
Lab Sample ID: 480-87386-2
Date Collected: 09/16/15 08:05
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 16:27	SWO	TAL BUF

Client Sample ID: PZ-1 091615
Lab Sample ID: 480-87386-3
Date Collected: 09/16/15 08:45
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 16:55	SWO	TAL BUF

Client Sample ID: MW-11 091615
Lab Sample ID: 480-87386-4
Date Collected: 09/16/15 09:15
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	265520	09/25/15 17:22	SWO	TAL BUF

Client Sample ID: MW-10 091615
Lab Sample ID: 480-87386-5
Date Collected: 09/16/15 09:40
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 17:50	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	2	265612	09/26/15 01:43	GTG	TAL BUF

Client Sample ID: MW-14 091615
Lab Sample ID: 480-87386-6
Date Collected: 09/16/15 09:50
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	265520	09/25/15 18:17	SWO	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-13 091615
Date Collected: 09/16/15 10:15
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	265520	09/25/15 18:45	SWO	TAL BUF

Client Sample ID: MW-12 091615
Date Collected: 09/16/15 10:55
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 19:12	SWO	TAL BUF

Client Sample ID: MW-9 091615
Date Collected: 09/16/15 11:20
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 19:40	SWO	TAL BUF

Client Sample ID: PZ-2 091615
Date Collected: 09/16/15 11:45
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 20:07	SWO	TAL BUF

Client Sample ID: MW-17 091615
Date Collected: 09/16/15 12:00
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 20:35	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	5	265612	09/26/15 02:10	GTG	TAL BUF

Client Sample ID: MW-21 091615
Date Collected: 09/16/15 12:20
Date Received: 09/17/15 01:20

Lab Sample ID: 480-87386-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265612	09/26/15 02:38	GTG	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-87386-1

Client Sample ID: MW-24 091615
Lab Sample ID: 480-87386-13
Date Collected: 09/16/15 12:35
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	265612	09/26/15 03:06	GTG	TAL BUF

Client Sample ID: MW-22 091615
Lab Sample ID: 480-87386-14
Date Collected: 09/16/15 12:50
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265612	09/26/15 03:33	GTG	TAL BUF

Client Sample ID: MW-18 091615
Lab Sample ID: 480-87386-15
Date Collected: 09/16/15 13:05
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	265612	09/26/15 04:01	GTG	TAL BUF
Total/NA	Analysis	8260C	DL	25	265649	09/26/15 13:13	JWG	TAL BUF

Client Sample ID: MW-15 091615
Lab Sample ID: 480-87386-16
Date Collected: 09/16/15 13:55
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265612	09/26/15 04:28	GTG	TAL BUF

Client Sample ID: MW-16 091516
Lab Sample ID: 480-87386-17
Date Collected: 09/16/15 14:25
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265612	09/26/15 04:56	GTG	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-87386-18
Date Collected: 09/16/15 00:00
Matrix: Water
Date Received: 09/17/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	265520	09/25/15 13:15	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: 480-87386-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

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

Method Summary

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

TestAmerica Job ID: 480-87386-1

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: 480-87386-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-87386-1	MW-5 091615	Water	09/16/15 07:45	09/17/15 01:20
480-87386-2	MW-6 091615	Water	09/16/15 08:05	09/17/15 01:20
480-87386-3	PZ-1 091615	Water	09/16/15 08:45	09/17/15 01:20
480-87386-4	MW-11 091615	Water	09/16/15 09:15	09/17/15 01:20
480-87386-5	MW-10 091615	Water	09/16/15 09:40	09/17/15 01:20
480-87386-6	MW-14 091615	Water	09/16/15 09:50	09/17/15 01:20
480-87386-7	MW-13 091615	Water	09/16/15 10:15	09/17/15 01:20
480-87386-8	MW-12 091615	Water	09/16/15 10:55	09/17/15 01:20
480-87386-9	MW-9 091615	Water	09/16/15 11:20	09/17/15 01:20
480-87386-10	PZ-2 091615	Water	09/16/15 11:45	09/17/15 01:20
480-87386-11	MW-17 091615	Water	09/16/15 12:00	09/17/15 01:20
480-87386-12	MW-21 091615	Water	09/16/15 12:20	09/17/15 01:20
480-87386-13	MW-24 091615	Water	09/16/15 12:35	09/17/15 01:20
480-87386-14	MW-22 091615	Water	09/16/15 12:50	09/17/15 01:20
480-87386-15	MW-18 091615	Water	09/16/15 13:05	09/17/15 01:20
480-87386-16	MW-15 091615	Water	09/16/15 13:55	09/17/15 01:20
480-87386-17	MW-16 091516	Water	09/16/15 14:25	09/17/15 01:20
480-87386-18	TRIP BLANK	Water	09/16/15 00:00	09/17/15 01:20

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

Client Information	Sampler: MARTIN Koenwecke	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-71824-10564.1
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 2
Company: O'Brien & Gere Inc of North America		**Analysis Requested**		Job #:
Address: 333 West Washington St. PO BOX 4873	Due Date Requested:			Preservation Codes:
City: East Syracuse	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: NY, 13221				
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST			Other:
Email: Yuri.Veliz@obg.com	WO #:			
Project Name: Former Accurate Die Cast	Project #: 48008584			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-5 091615	9-16-15	7:45	G	Water			3		
MW-6 091615	9-16-15	8:05	G	Water			3		
PZ-1 091615	9-16-15	8:45	G	Water			3		
MW-11 091615	9-16-15	9:15	G	Water			3		
MW-10 091615	9-16-15	9:40	G	Water			3		
MW-14 091615	9-16-15	9:50	G	Water			3		
MW-13 091615	9-16-15	10:15	G	Water			3		
MW-12 091615	9-16-15	10:55	G	Water			3		
MW-9 091615	9-16-15	11:20	G	Water			3		
PZ-2 091615	9-16-15	11:45	G	Water			3		
MW-17 091615	9-16-15	12:00	G	Water			3		

480-87386 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by: Martin Koenwecke	9-16-15 / 15:00	OBG	Received by:	9-16-15	TAL SAC
Relinquished by: Reinquished	9-16-15, 18:02	JYR	Received by:	9-17-15 TMD	0120
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 0.7 #1

9/29/2015

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: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-71824-10564.2
Client Contact: Mr. Yuri Veliz	Phone: 315-729-1300	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:

Analysis Requested

Address: 333 West Washington St. PO BOX 4873	Due Date Requested:
City: East Syracuse	TAT Requested (days):
State, Zip: NY, 13221	
Phone: 315-956-6100(Tel) 315-463-7554(Fax)	PO #: 11312000EST
Email: Yuri.Veliz@obg.com	WO #:
Project Name: Former Accurate Die Cast	Project #: 48008584
Site:	SSOW#:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-21 091615	9-16-15	12:20	G	Water			3		
MW-24 091615	9-16-15	12:35	G	Water			3		
MW-22 091615	9-16-15	1250	G	Water			3		
MW-18 091615	9-16-15	13:05	G	Water			3		
MW-15 091615	9-16-15	13:55	G	Water			3		
MW-16 091615	9-16-15	14:25	G	Water			3		
QC TRIP BLANK				WATER			1		
		ATM							
		9-16-15							

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: 9-16-15 / 15:00	Company: OBG	Received by:		Date/Time: 9-16-15	Company: TSW
Relinquished by:	Date/Time: 9-16-15, 19:00	Company: LyR	Received by:		Date/Time: 9-17-15 0120	Company: TMB
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

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9/29/2015

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-87386-1

Login Number: 87386
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	