April 25, 2018

Mr. Robert Corcoran
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Eastern Remedial Action
625 Broadway
Albany, NY 12233-7015

Re: Fairchild Republic Main Plant Site,
Town of Babylon, Suffolk County Site No. 1-523-130

Dear Mr. Corcoran,

Henningson, Durham, & Richardson Architecture & Engineering P. C. (HDR), as a successor to Malcolm Pirnie, Inc., was retained by The Fairchild Liquidating Trust to collect groundwater samples from 11 monitoring wells at the Fairchild Republic Main Plant Site (MPS) in East Farmingdale, New York (Figure 1) in accordance with the Revised Draft Operation, Maintenance, and Monitoring Plan (OM&M) (Malcolm Pirnie, 2006). Groundwater samples were collected from the Remediation Phase Monitoring wells in December 2017 according to the sampling procedures outlined in the OM&M Plan (Malcolm Pirnie, 2006). The objectives of the groundwater sampling event are to determine the extent of Volatile Organic Compounds (VOCs) in groundwater at the MPS and to monitor the overall effectiveness of the groundwater remedy.

Groundwater samples were collected in 11 wells from December 18 to December 20, 2017. Groundwater sample collection logs are included in Appendix A. Groundwater samples were sent to Pace Laboratory, in Melville, New York, which is a New York State certified laboratory, for VOCs analyses by United States Environmental Protection Agency (USEPA) Method 8260B. The results are located in Attachment B.

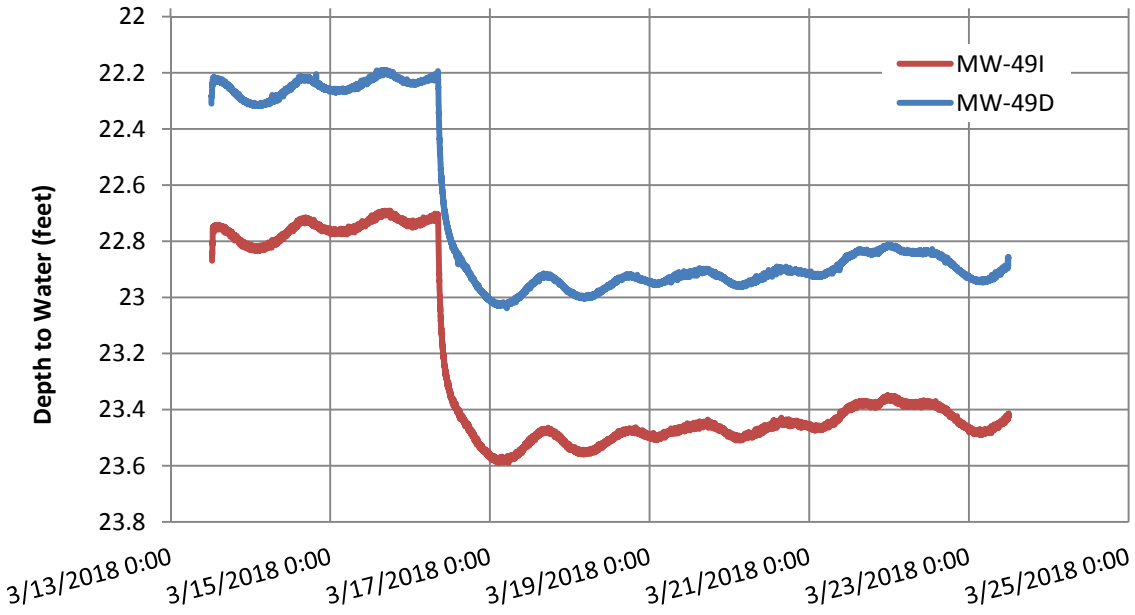
The results show that 11 wells (MW-37I, MW-41, MW-42I, MW-42D, MW-43I, MW-46I, MW-49I, MW-49D, MW-50, S-66133, and S-66134) contained detectable concentrations of chlorinated VOCs. The concentration of total chlorinated VOCs in each well is shown on Table 1 and on Figure 2. Figure 3 shows the configuration of the chlorinated VOC plume and changes in total chlorinated

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VOC concentrations with time in each well at the MPS. A comparison of the size and concentration of chlorinated VOC in 2017 (Figure 3) to 2013 (Figure 4), shows that the core of the plume containing chlorinated VOCs over 1,000 ug/l and the area containing chlorinated VOCs over 100 ug/l has been significantly reduced in size. These data also show the width of the 100 ug/l plume is roughly 1,000 feet.

Chlorinated VOCs in a groundwater sample collected from MW-50 (1,527 ug/l) is down-gradient of the pumping well PW-1 and the capture zone created by the MPS remediation system. The concentration of TVOCs in groundwater collected from all 11 intermediate zone monitoring wells within the MPS plume have significantly (>85%) decreasing from 2004 to 2017 as shown on Table 2. These significant decreases in TVOC concentration when combined with the significant decrease in TVOC concentration of the influent groundwater to the treatment plant (2,000 to 1,000 ug/l shown on Figure 5) suggest the stable TVOC concentrations in MW-50 could be from a different off-site source. The high concentration of TVOCs in groundwater collected from MW-50 could be complicated by the fact that the groundwater sample was turbid (Appendix A).

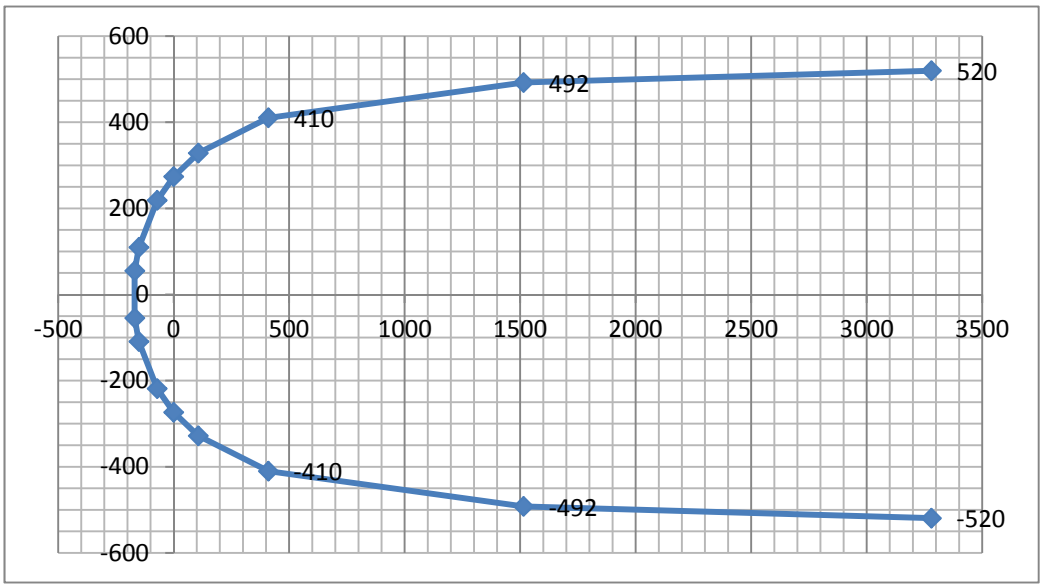
The capture zone of the groundwater remediation system was estimated by monitoring the water level drawdown in MW-49I and MW-49D at system startup after a maintenance activity. The drawdown in MW-49I and MW-49D were 0.9 and 0.8 feet respectively while pumping at 200 gpm.



The capture zone was then estimated using equation developed by Grubb (1993). The width of the capture zone was estimated to be roughly 1,000 feet, as shown below, using the following parameters:

pumping rate (Q) = 200 gpm,
hydraulic conductivity (K) = 100 ft/day,
hydraulic gradient (i) = 0.002, and
aquifer thickness (b) = 200 feet.

The capture zone width is consistent with the width of the 100 ug/l TVOC plume.



GROUNDWATER TREATMENT SYSTEM OPERATION, MAINTENANCE AND MONITORING

Routine OM&M was completed on the pump and treat system. The routine OM&M includes: responding to alarm conditions, recording and adjusting system operating parameters, collecting influent and effluent samples, and any maintenance activities necessary to keep the system operational. The treatment plant currently operates at 200 gpm.

Roughly 111 million gallons of water were extracted, treated, and discharged at the MPS in 2017. The groundwater remediation system has extracted and remediated more than 943 million gallons of groundwater and removed over 13,830 pounds (1,142 gallons) of total VOCs since 2005.

Groundwater samples were collected monthly from the treatment system during this reporting period to monitor the effectiveness of the treatment system and to document compliance with NYSDEC discharge requirements. The groundwater samples were analyzed for:

- VOCs (8260B) (including Freon 113)
- Total Dissolved Solids (TDS)
- pH
- Total Iron
- Total Manganese
- Total Zinc

The VOCs results (Table 3) show that the groundwater discharge to the infiltration basins met discharge standards and was in compliance with the NYSDEC discharge requirements in 2017. The results are included in Appendix C.

The concentration of total VOCs in influent water samples was plotted against time to track the influent groundwater quality (Figure 5). Between May 2005 and December 2009 the influent concentration of total VOCs fluctuated between 2,000 - 3000 μg/L showing the remediation system was successfully removing significant concentrations of VOCs from the aquifer. From 2009 to 2017, the influent concentration of VOCs has decreased from 2,000 to 824 ug/l. Even though the pumping switched from PW-1 to PW-2 in 2015, the decreasing trend in influent concentration started while pumping PW-1. These data show that the groundwater remedy is effective at removing a significant amount of VOCs from the aquifer.

The progress of the groundwater remedy can be demonstrated by evaluating two datasets:

1. The average VOC concentration in the plume monitoring wells; and
2. Comparing to total mass removed to the initial estimate of the total mass.

The progress of the groundwater remedy can be shown by reviewing the average concentration of VOCs in performance monitoring wells. The annual groundwater sampling results (2005 to 2017) are summarized on Table 2. The 2017 data can be compared with the results of previous years data to show the progress of the groundwater remediation. The data on Table 2 show the average concentration has steadily decreased in concentration from 1,030 ug/l in 2004 (baseline) to 137 ug/l in 2017. These data can also be presented graphically (Figure 6) to show the steady decline in VOCs concentration of the plume. Given the straight-line logarithmic trend of the dataset, these data can be extrapolated to estimate the time to reach an action level. These data

show that it will take approximately five years (2017-2022) for the average concentration in these wells to reach 100 ug/l. These data also show that roughly 87 percent (1,030 to 137 ug/l) of the VOC mass has been removed from the aquifer.

The progress of the groundwater remedy can also be shown by reviewing the influent VOC concentration to the treatment plant over the life of the remedy. This was completed by multiplying the total VOCs in the influent water to the treatment plant by the volume of water extracted to calculate the total mass removed during the reporting period (Figure 5). This calculation shows that 13,800 pounds of VOCs have been removed from the aquifer to date. Comparing this value to the original estimate of the dissolved mass in-place of roughly 16,000 pounds of VOCs to the mass removed to date (13,800/16,000 ug/l), shows that roughly 85 percent of the mass has been removed from the aquifer.

The granulated activated carbon and zeolite were replaced in May 2017. Samples of the carbon and zeolite were collected and analyzed at Pace Laboratory to characterize the waste for disposal. The results show that the carbon and zeolite were characterized as non-hazardous waste. Jacobi Carbon supplied and installed 16,000 lbs. of virgin coconut carbon and 8,000 lbs. of KMnO4 impregnated zeolite. The spent carbon was regenerated at Carbon Activation Corp in Blasdell New York (Appendix D). The system was restarted.

CONCLUSIONS

- The groundwater remedy is functioning properly and is successful at remediating the MPS plume.
- The groundwater remediation system removed approximately 13,800 pounds or 1,140 gallons of VOCs from the aquifer by December 2017.
- The influent VOC concentration to the treatment plant began to decrease in concentration from 2009 to 2016 showing the effectiveness of the groundwater remedy.
- The average concentration VOCs in groundwater collected from the performance monitoring wells has decreased from 1,030 to 137 ug/l during 14 years of operation. The average concentration of VOCs is projected to decrease below 100 ug/l in five years (2022).
- All of the water discharged to the infiltration basins met the NYSDEC groundwater effluent limitations.
- The groundwater remediation should achieve the goals of the Record of Decision, as amended, in approximately five years.

Sincerely,
Henningson, Durham, & Richardson Architecture & Engineering P. C.



Daniel J. St. Germain, PG (NY #78)
Project Manager

Table 1
Volatile Organic Compounds in Groundwater
FAIRCHILD MAIN PLANT SITE
MAIROLL, INC.
EAST FARMINGDALE NEW YORK

		MW-37I	MW-41	MW-42I	MW-42D	MW-43I	MW-46I	MW-49I	MW-49I DUP	MW-49D	MW-50	S-66133	S-66134	TB-01	TB-02	TB-03
Parameter	Units	12/20/2017	12/18/2017	12/19/2017	12/19/2017	12/19/2017	12/20/2017	12/18/2017	12/19/2017	12/18/2017	12/20/2017	12/19/2017	12/18/2017	12/18/2017	12/19/2017	12/20/2017
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	**6.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	**20.7**	ND	ND	**4.9**	**1.5**	**1.1**	**4.1**	**4.3**	**1.3**	**27.7**	ND	**3.6**	ND	ND	ND
1,1-Dichloroethene	ug/L	**14.7**	ND	ND	ND	ND	ND	**1.9**	**1.9**	ND	**29.6**	ND	ND	ND	ND	ND
1,1-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-butadiene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	**89.9**	**25.7**	ND	ND	**4.7**	**3.3**	**25**	**25.8**	**169**	**73.8**	ND	ND	ND	ND	ND
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	**144**	**3.6**	**1.3**	**14.9**	**71.4**	**24**	**59.1**	**61**	**28.7**	**1020**	**15.2**	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ug/L	**5.4**	ND	ND	ND	ND	ND	**9.4**	**9.9**	**1.7**	**16.9**	**1.2**	**3.4**	ND	ND	ND
Xylene (Total)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	**190**	**7.7**	ND	**1.7**	**7.5**	**1.3**	**181**	**189**	**29.7**	**357**	**67.1**	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	**1.2**	ND	ND	ND	ND	ND	**10.4**	**11**	ND	**2.2**	**1.0**	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL CVOCS		**472.4**	**37.0**	**1.3**	**21.5**	**85.1**	**29.7**	**290.9**	**302.9**	**230.4**	**1527.2**	**84.5**	**7**	**0**	**0**	**0**

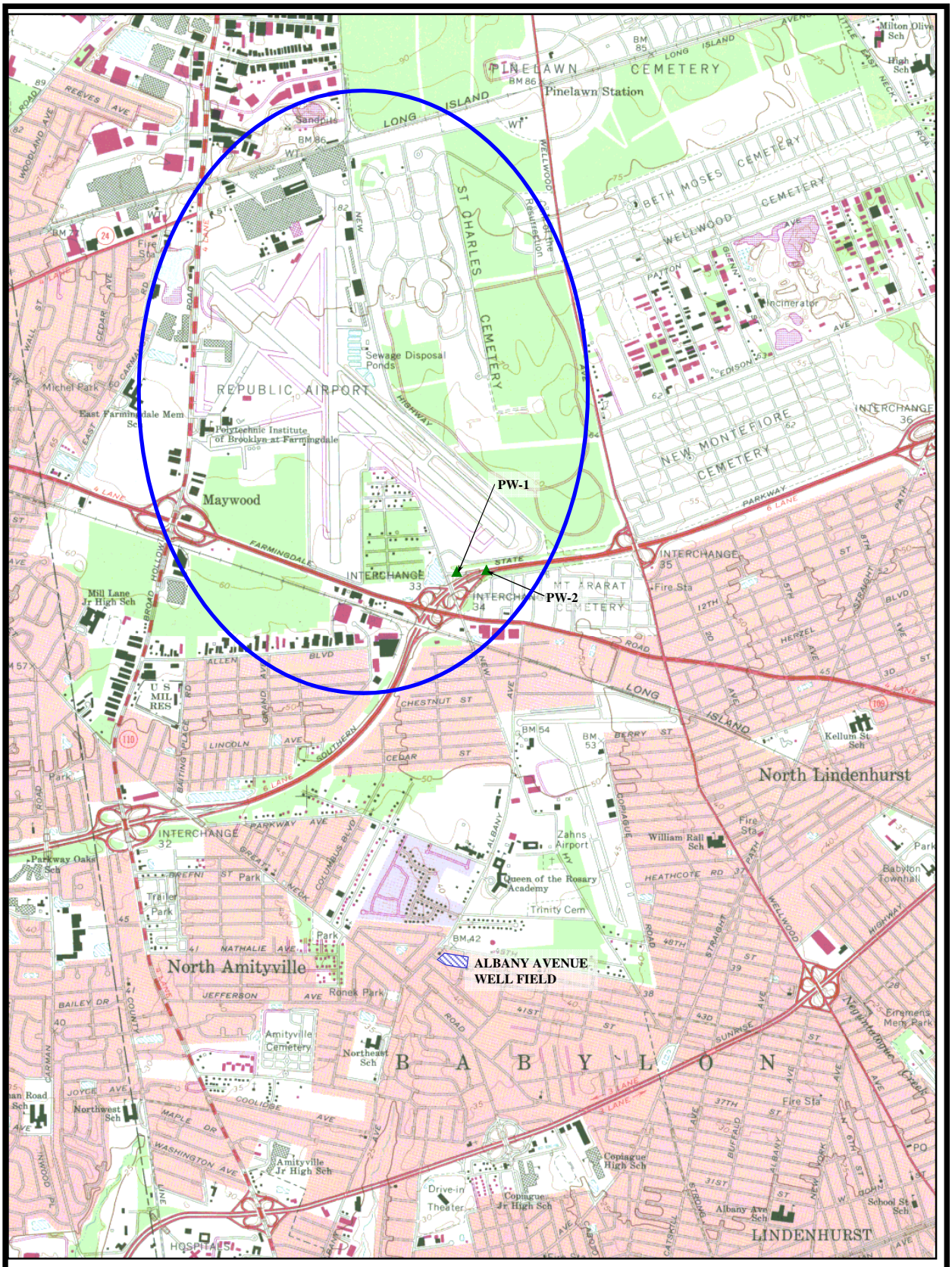
TABLE 2
AVERAGE TOTAL CHLORINATED VOC CONCENTRATION
FAIRCHILD MAIN PLANT SITE
MAIROLL, INC.
EAST FARMINGDALE, NEW YORK

Well No.	Baseline Total CVOC Concentration (ug/L) June-04	Total VOC Concentration (ug/L) June-05	Total VOC Concentration (ug/L) June-06	Total VOC Concentration (ug/L) July-07	Total VOC Concentration (ug/L) July-08	Total VOC Concentration (ug/L) July-09	Total VOC Concentration (ug/L) August-10	Total VOC Concentration (ug/L) November-13	Total VOC Concentration (µg/L) September-15	Total VOC Concentration (µg/L) December-16	Total VOC Concentration (µg/L) December-17
MW-41	1,123	367	198	110	122	97	57	109	0	40	37.0
MW-46I	222	143	128	103	95	2	66	71	19	41	29.7
MW-42I	20	23	10	9	5	11	20	2	108	1	1.3
MW-42D	62	71	32	45	39	40	46	60	36	26	21.5
S-66133	277	231	229	239	106	210	56	295	258	293	85.6
MW-43I	740	589	782	406	506	416	232	350	42	115	85.1
MW-49I	1,365	346	155	107	107	264	184	218	536	352	291
MW-49D	2,024	1,926	2,594	2,456	2,732	2373	1164	1014	394	216	230
MW-37I	3,437	2,817	1,986	1,676	1,813	1971	1448	821	346	558	451
Average	1,030	724	679	572	614	598	364	327	193	183	137
STD Deviation	1,127	975	953	877	979	908	543	357	196	189	154
STD Error	376	325	318	292	326	303	181	119	65.39	62.90	51.32
t (95%)	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83
Confidence Interval 95%	**1,719**	**1,320**	**1,262**	**1,108**	**1,212**	**1,153**	**696**	**545**	**313**	**298**	**231**

Note: Samples that contained CVOCs below
the MDL were given a value of 1

TABLE 3
EFFLUENT WATER QUALITY LABORATORY RESULTS
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL., INC.
EAST FARMINGDALE, NY

Compound	EFF 1/29/2018	EFF 3/1/2018	EFF 5/3/2018	EFF 6/1/2018	EFF 7/11/2018	EFF 8/11/2018	EFF 9/1/2018	EFF 10/5/2018	EFF 11/1/2018	EFF 12/19/2018
1,1 Dichloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1 Dichloroethene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloropropene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2 Dibromoethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2 Dichlorobenzene (v)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2 Dichloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,2 Dichloropropane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3 Dichlorobenzene (v)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,3-Dichloropropane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,4 Dichlorobenzene (v)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
111 Trichloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1112Tetrachloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
112 Trichloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1122Tetrachloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
123-Trichlorobenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
123-Trichloropropane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
124-Trichlorobenzene (v)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
124-Trimethylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1245 Tetramethylbenz	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
135-Trimethylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2,2-Dichloropropane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromobenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromochloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromodichloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromoform	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
c-1,2-Dichloroethene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
c-1,3Dichloropropene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Carbon Tetrachloride	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorobenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorodibromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chlorodifluoromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibromochloropropane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dibromomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Dichlordifluoromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Ethyl Benzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Freon 113	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Hexachlorobutadiene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopropylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
m + p Xylene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methyl Ethyl Ketone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methylene Chloride	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Methylisobutylketone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
n-Butylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
n-Propylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene(v)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
o Xylene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p Diethylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p-Ethyltoluene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
p-Isopropyltoluene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
sec-Butylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Styrene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
t-1,2-Dichloroethene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
t-1,3Dichloropropene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
ter.ButylMethylEther	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
tert-Butylbenzene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Toluene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichloroethene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Trichlorofluoromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vinyl Chloride	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10



LEGEND

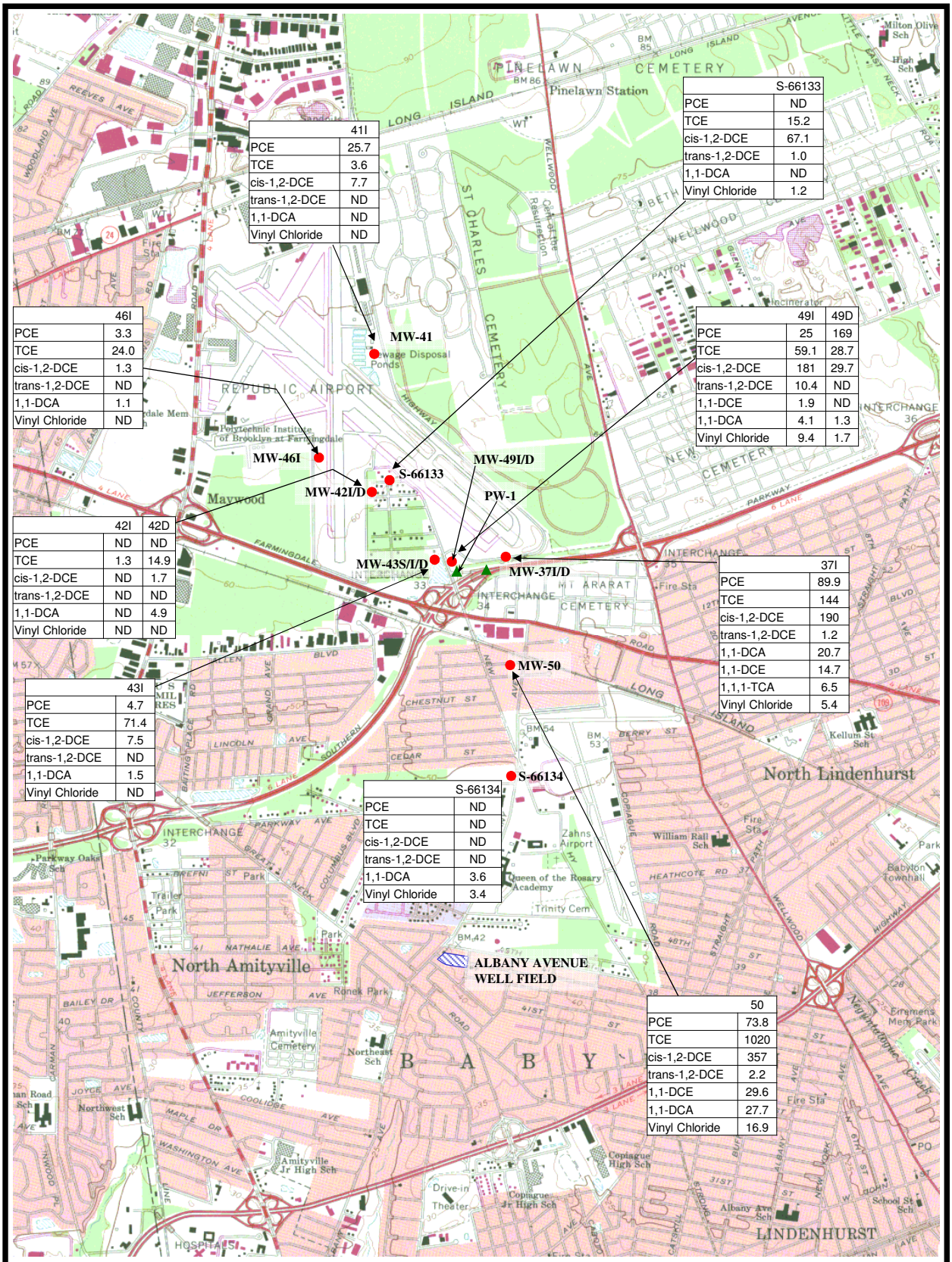
- WELL FIELD
- MONITORING WELL
- RECOVERY WELL

N

0 2,000 4,000 Feet

SITE LOCATION
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 1



LEGEND

- WELL FIELD
- MONITORING WELL
- RECOVERY WELL
- ND NON DETECTION OF VOCS

All VOC Concentrations Reported in µg/L

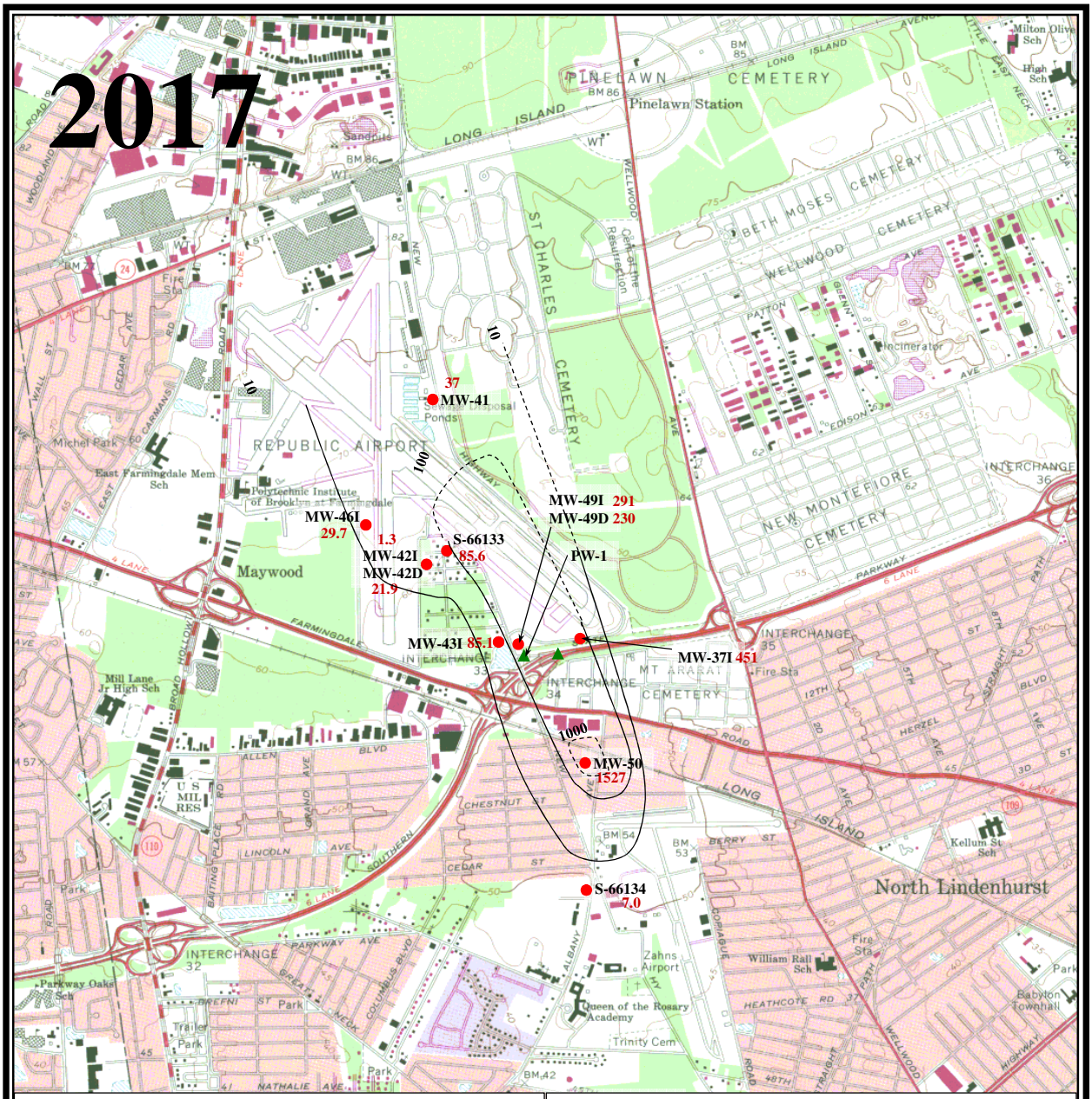
N

0 2,000 4,000 Feet

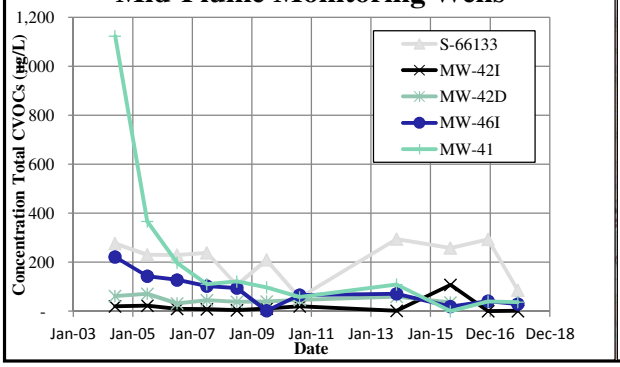
DISTRIBUTION OF CHLORINATED VOC'S IN GROUNDWATER – December 2017
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 2

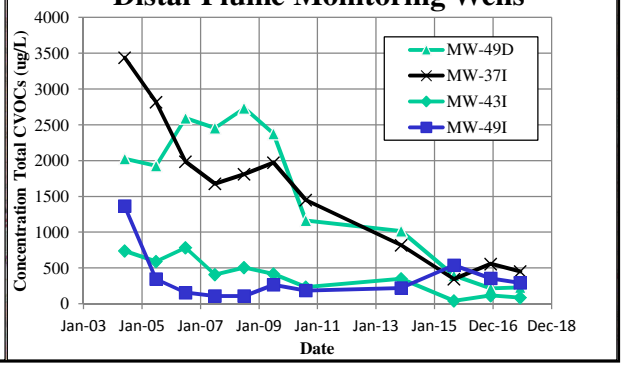
2017



Mid-Plume Monitoring Wells



Distal-Plume Monitoring Wells



LEGEND

- WELL FIELD
- MONITORING WELL
- RECOVERY WELL
- 578 TOTAL VOC (µg/L)

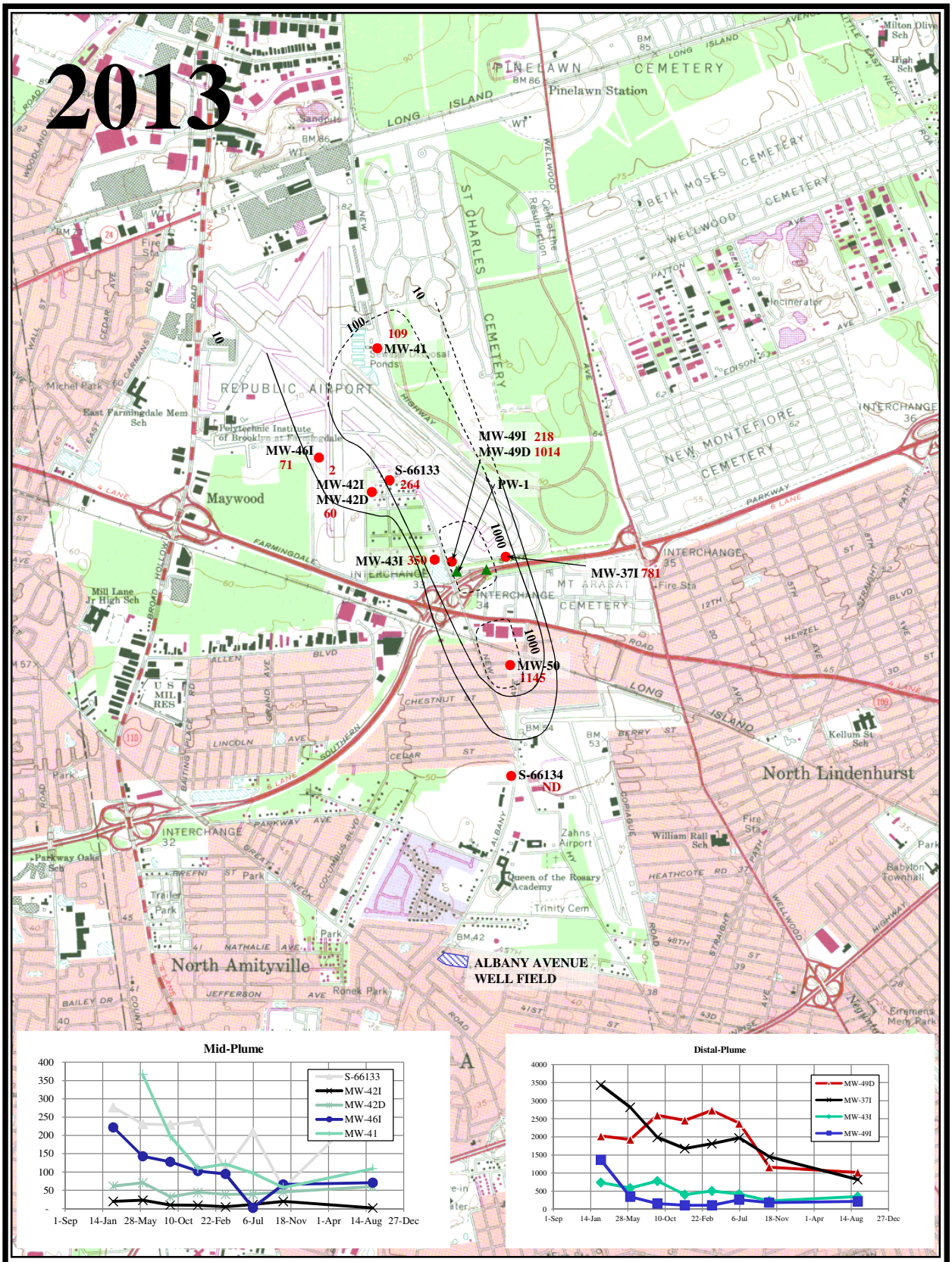
ISOCONCENTRATION CONTOUR (inferred where dashed) — 100

N

0 2,000 4,000 Feet

SITE-RELATED TOTAL CHLORINATED VOC'S, INTERMEDIATE ZONE – December 2017
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 3



LEGEND

- WELL FIELD
- MONITORING WELL
- RECOVERY WELL
- 1157 TOTAL VOC (µg/L) (May include compounds at estimated ["J" qualifier] concentrations.

ISOCONCENTRATION CONTOUR (inferred where dashed) — 100

*ALL VOC CONCENTRATIONS ARE ROUNDED TO NEAREST WHOLE NUMBER

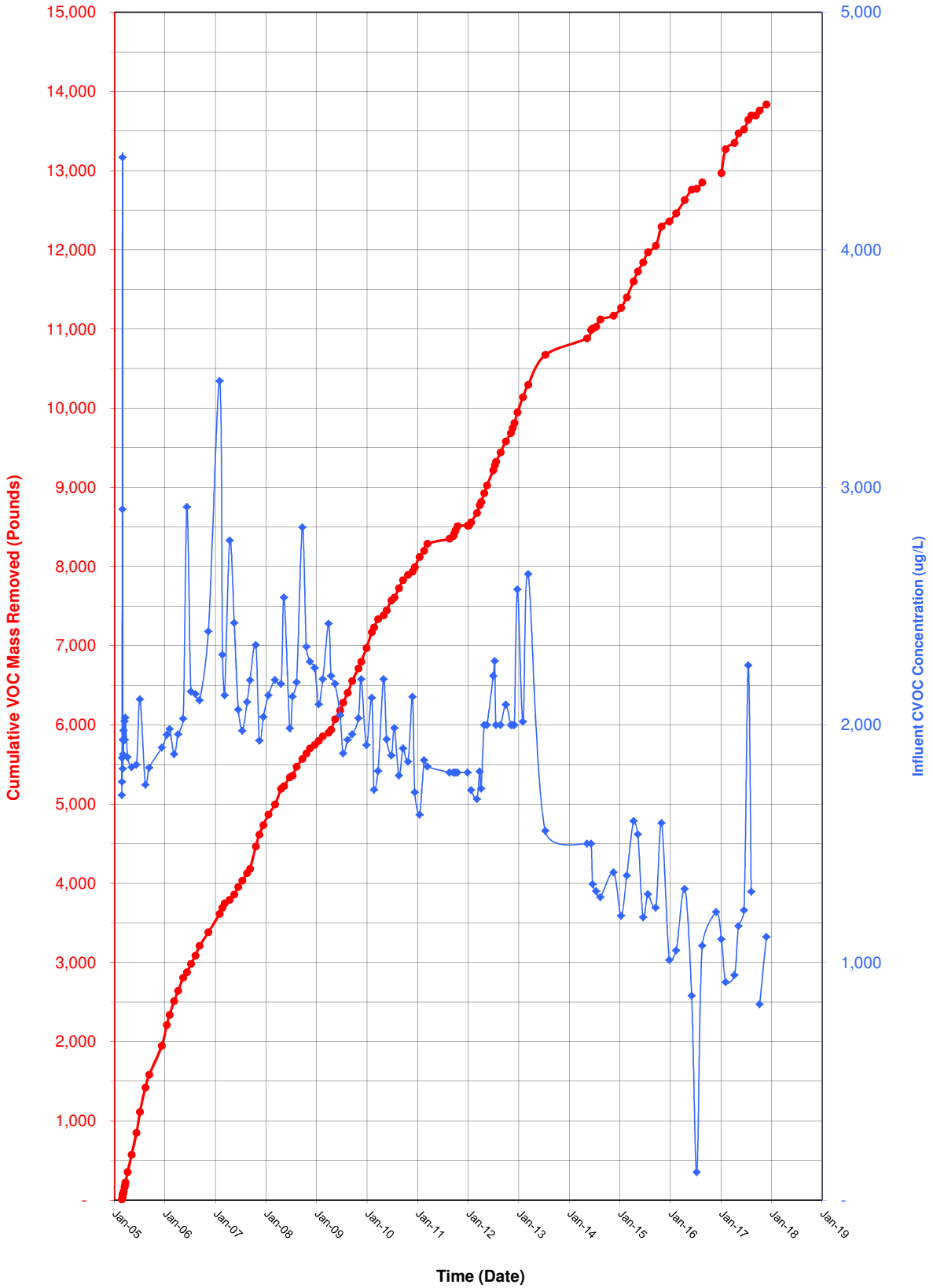
N

0 2,000 4,000 Feet

HDR

SITE-RELATED TOTAL CHLORINATED VOC'S, INTERMEDIATE ZONE – November 2013
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

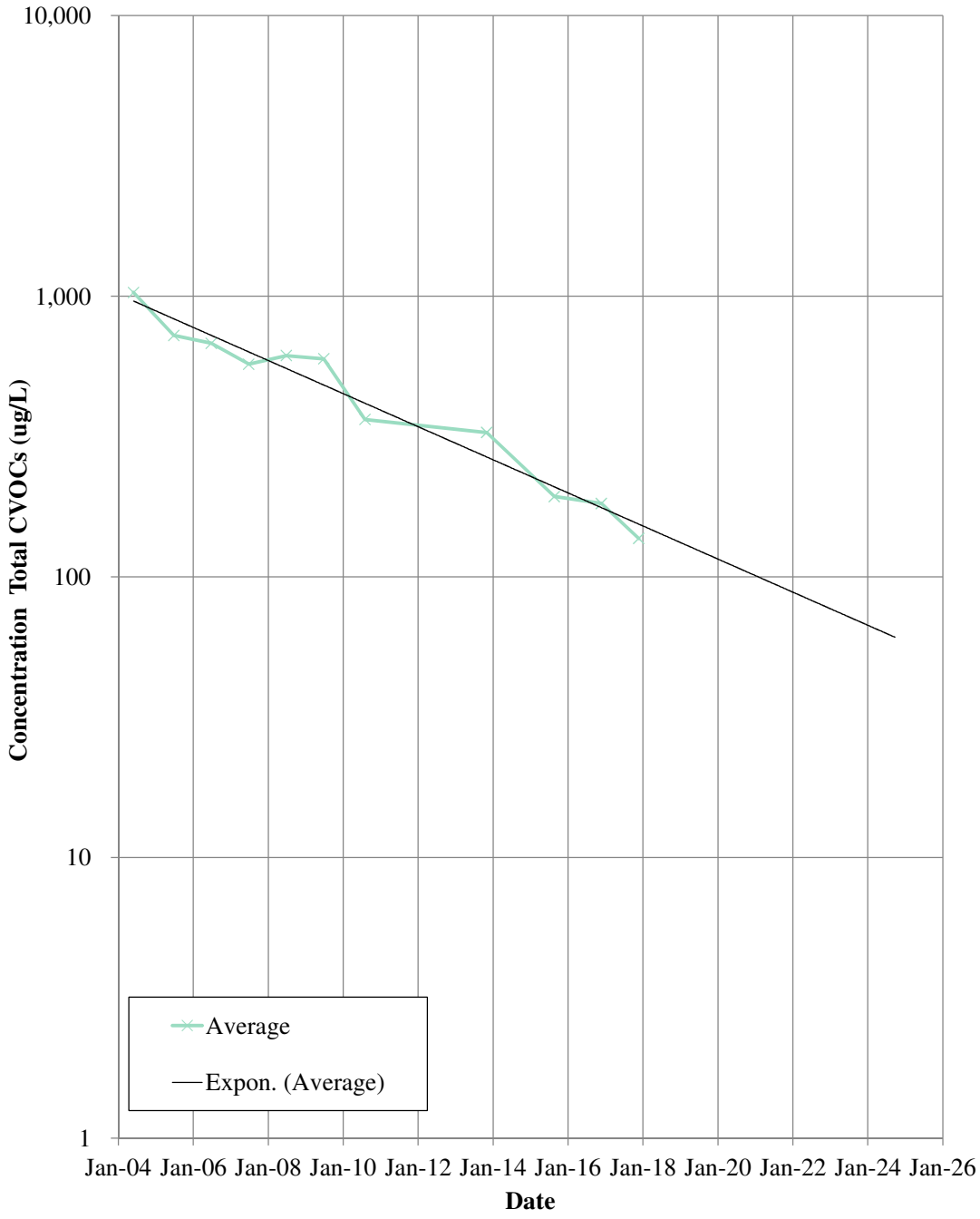
FIGURE 4



Groundwater Remediation System Performance
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 5

Average Concentration in Monitoring Wells



Average Concentration of VOC in Monitoring Wells Trend Chart
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 6

APPENDIX A

Groundwater Monitoring Well
Sampling Logs

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of

2239012

Section A Required Client Information:

Company: HDR
Address: One International Blvd Mahwah, NJ 07495
Email To: Daniel.StGermain@HDRINC.com
Phone: (201) 335-9235 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: HDR
Copy To:
Purchase Order No.:
Project Name: Fairchild Annual
Project Number: 10035227-003

Section C Invoice Information:

Attention: Dan St. Germain
Company Name: HDR
Address: One International Blvd, Mahwah, NJ 07495
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information / SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: 40ml - VOCs from 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-42D-20171219	GW	G	12/14/17	1005				2				2					2		
2	MW-42I-20171219	GW	G	12/14/17	1045				2				2					2		
3	MW-43I-20171219	GW	G	12/14/17	1305				2				2					2		
4	S-66133-20171219	GW	G	12/14/17	1505				2				2					2		
5	TB-OZ-20171219	W							2				2					2		
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		12/14/17	1610		12/14/17	16:10	6.7	Y	N	Y

2

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MTP/KLM
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 12/14/2017

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 1

2239011

Section A Required Client Information:

Company: HDR
Address: One International Blvd
Mahwah, NJ 07495
Email To: Daniel.StGermain@HDRINC.com
Phone: (201)335-9338 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: HDR
Copy To:
Purchase Order No.:
Project Name: Fairchild Annual
Project Number: 10025227-003

Section C Invoice Information:

Attention: Dan St. Germain
Company Name: HDR
Address: One International Blvd Mahwah, NJ 07495
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: 40mL-VOC (from 8260B)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-49I-20171218	GW	G	12/18/17	1045				2				2					Y 2		
2	MW-49D-20171218	GW	G	12/18/17	1155				2				2					2		
3	BD-01-20171218	GW	G	12/18/17	1055				2				2					2		
4	MW-41-20171218	GW	G	12/18/17	1350				2				2					2		
5	C-66134-20171218	GW	G	12/18/17	1525				2				2					2		
6	TB-01-20171218	W							2				2					2		
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	HDR	12/18/17	1611		12/18/17	1611	9.9	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MTP/KLM
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 12/18/2017

2

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 1

2239013

Section A Required Client Information:

Company: HDR
Address: One International Blvd
Muhwah, NJ 07495
Email To: David.StGermain@HDRInc.com
Phone: (201) 335-9338 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: HDR
Copy To:
Purchase Order No.:
Project Name: Fairchild Annual
Project Number: 10252227-003

Section C Invoice Information:

Attention: Dan St. Germain
Company Name: HDR
Address: One International Blvd Muhwah, NJ 07495
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	40ml-VOA-Frozen, 8260B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-50-20171220	GW	G	12/20/17	0920			2					2					Y	2		
2	MW-37I-20171220	GW	G	12/20/17	1210			2					2					Y	2		
3	MW-46I-20171220	GW	G	12/20/17	1355			2					2					Y	2		
4	TB-03-20171220	W						2					2					Y	2		
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		12/20/17	1510		12/20/17	1510	2.6°C

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MTP / KKM
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 12/20/17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

2

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227-003
PROJECT NAME: Fairchild
SITE LOCATION: East Farmingdale, NY
SITE CONTACT: Dan St. Germain
DATE: 12/18/17
SAMPLERS: MTP, KLM
WEATHER: Cloudy, Drizzle, 38°F

WELL IDENTIFICATION NUMBER: MW-49-I

PERMIT:

WELL HEADSPACE READING: 0.1
PID MODEL/LAMP: Mini Rae 3000
DEPTH TO WATER (Before Purging): 26.26 FEET FROM TOP OF CASING
WELL DEPTH: 110 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 83.74 FEET
WATER IN ONE WELL VOLUME: 54 GALLONS
PURGE TIME (start/finish): 1004/1039
PURGE RATE: 150 ml/min
WELL EVACUATION DEVICE: Bladder/MP15 YSI Pro DSS
SAMPLING TIME (start/finish): 1045/1055
SAMPLE RATE: 150 ml/min
SAMPLE COLLECTION DEVICE: Bladder/~~MP15~~ MP15
SAMPLE APPEARANCE: Clear

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	1004	1009	1014	1019	1024	1029	1034	1039		
pH (SU)	6.12	5.75	5.81	5.86	5.89	5.91	5.92	5.95		
specific conductivity (mS)	0.244	0.248	0.248	0.249	0.250	0.251	0.251	0.252		
turbidity (NTU's)	9.4	14.4	24.2	28.0	27.1	29.3	30.5	30.8		
dissolved oxygen (mg/l)	6.21	2.32	1.50	1.06	0.93	0.81	0.76	0.70		
temperature (degrees C)	12.3	12.7	12.7	12.8	12.8	12.8	12.8	12.9		
redox potential (mv)	308.0	252.2	213.2	178.2	164.7	155.4	152.2	145.1		
depth to water (feet)	26.28	26.29	26.29	26.25	26.26	26.27	26.27	26.26		
volume purged (gal or L)	0	0.75	1.50	2.25	3.00	3.75	4.50	5.25		

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B
LABORATORY/CONTACT: PACE Analytical

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES: SAMPLE - MW-49I-20171218@1045
Duplicate @ this location - BD-01-20171218@1055
60 psi
20/10 cycle

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227-003
PROJECT NAME: Fairchild
SITE LOCATION: East Farmingdale, NY
SITE CONTACT: Dan St. Germain
DATE: 12/18/17
SAMPLERS: MTP, KLM
WEATHER: Cloudy, 38°F

WELL IDENTIFICATION NUMBER: MW49-D
PERMIT:

WELL HEADSPACE READING: 0.1
PID MODEL/LAMP: MiniRae 3000
DEPTH TO WATER (Before Purging): 25.71 FEET FROM TOP OF CASING
WELL DEPTH: 170 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 144.29 FEET
WATER IN ONE WELL VOLUME: 24.8 GALLONS
PURGE TIME (start/finish): 1106/1151
PURGE RATE: 125 ml/min
WELL EVACUATION DEVICE: Bladder/MP15 YSI ProDSS
SAMPLING TIME (start/finish): 1155/1200
SAMPLE RATE: 125 ml/min
SAMPLE COLLECTION DEVICE: Bladder/MP15
SAMPLE APPEARANCE: Clear

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	1106	1111	1116	1121	1126	1131	1136	1141	1146	1151
pH (SU)	5.64	5.51	5.55	5.62	5.65	5.66	5.69	5.71	5.73	5.74
specific conductivity (mS)	0.146	0.164	0.168	0.169	0.170	0.170	0.170	0.170	0.170	0.169
turbidity (NTU's)	6.5	35.1	40.6	48.0	49.2	47.9	35.9	32.0	31.7	31.3
dissolved oxygen (mg/l)	3.78	2.30	1.39	1.14	1.00	0.91	0.84	0.80	0.80	0.79
temperature (degrees C)	12.3	12.9	13.1	13.2	13.2	13.2	13.4	13.5	13.5	13.5
redox potential (mv)	97.4	108.7	135.7	146.8	154.6	156.2	157.1	156.7	157.5	157.7
depth to water (feet)	25.76	25.72	25.74	25.75	25.74	25.74	25.76	25.76	25.75	25.76
volume purged (gal or L)	0	0.625	1.25	1.875	2.5	3.125	3.75	4.375	5.00	5.625

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B
LABORATORY/CONTACT: Pace Analytical

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
Sample - MW49D-20171218@1155
90 psi
20/10 cycle

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER:	10025227-003	**DATE:**	12/18/17
PROJECT NAME:	Fairchild	**SAMPLERS:**	MTP
SITE LOCATION:	East Farmingdale, NY		KLM
SITE CONTACT:	Dan St. Germain	**WEATHER:**	Partly Cloudy, 43°F

WELL IDENTIFICATION NUMBER: MW-41 **PERMIT:**

WELL HEADSPACE READING:	0.1	**PID MODEL/LAMP:**	Mini Rae 3000
DEPTH TO WATER (Before Purging):	29.54	**FEET FROM TOP OF CASING**	
WELL DEPTH:	140.00	**FEET FROM TOP OF CASING**	
HEIGHT OF WATER IN WELL:	110.46	**FEET**	
WATER IN ONE WELL VOLUME:	72	**GALLONS**	
PURGE TIME (start/finish):	1316/1346	**PURGE RATE:**	150 ml/min
WELL EVACUATION DEVICE:	Bladder/~~MP15~~ MP15		YSI ProDSS
SAMPLING TIME (start/finish):	1350/1355	**SAMPLE RATE:**	
SAMPLE COLLECTION DEVICE:	Bladder/MP15		
SAMPLE APPEARANCE:	Clear		

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	1316	1326	1336	1341	1346					
pH (SU)	6.03	6.01	6.00	6.00	5.99					
specific conductivity (mS)	0.216	0.432	0.434	0.434	0.433					
turbidity (NTU's)	21.5	91.3	32.1	30.2	30.5					
dissolved oxygen (mg/l)	5.58	1.14	0.82	0.80	0.78					
temperature (degrees C)	13.7	15.0	14.6	14.6	14.5					
redox potential (mv)	87.2	88.7	94.2	95.2	95.4					
depth to water (feet)	29.55	29.60	29.58	29.59	29.59					
volume purged (gal or L)	0	1.50	3.00	~~3.75~~	~~4.50~~ 6					

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B

LABORATORY:
CONTACT: PACE Analytical

Casing Diameter/Volume conversions	
(inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
SAMPLE - MW-41 - 20171218 @ 1350
70 psi
20/10 cycle

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227-003
PROJECT NAME: Fairchild
SITE LOCATION: East Farmingdale, NY
SITE CONTACT: Dan St. Germain
DATE: 12/18/17
SAMPLERS: MTP, KLM
WEATHER: Sunny, 43°F

WELL IDENTIFICATION NUMBER: S-66134 **PERMIT:**

WELL HEADSPACE READING: 0 PID MODEL/LAMP: MiniRae 3000
DEPTH TO WATER (Before Purging): 21.35 FEET FROM TOP OF CASING
WELL DEPTH: 140 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 118.65 FEET
WATER IN ONE WELL VOLUME: 174 GALLONS
PURGE TIME (start/finish): 1432/1522 PURGE RATE: 150ml/min
WELL EVACUATION DEVICE: Bladder/MP15 YSI ProDSS
SAMPLING TIME (start/finish): 1525/1530 SAMPLE RATE: 150ml/min
SAMPLE COLLECTION DEVICE: Bladder/MP15
SAMPLE APPEARANCE: Clear

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	1432	1442	1452	1502	1512	1516	1522			
pH (SU)	6.46	6.68	6.69	6.71	6.74	6.74	6.73			
specific conductivity (mS)	0.051	0.311	0.324	0.341	0.363	0.366	0.368			
turbidity (NTU's)	5.8	5.2	17.3	66.7	24.3	22.3	26.3			
dissolved oxygen (mg/l)	3.41	1.09	0.78	0.67	0.60	0.57	0.56			
temperature (degrees C)	14.1	14.2	14.2	14.3	14.0	13.8	13.9			
redox potential (mv)	36.0	-73.3	-92.5	-103.5	-111.0	-113.6	-115.3			
depth to water (feet)	21.29	21.35	21.52	21.54	21.54	21.53	21.54			
volume purged (gal or L)	0	1.50	3.00	4.50	6.00	6.75	7.50			

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B
LABORATORY:
CONTACT: PACE Analytical

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
Sample: S-66134-20171218 @ 1525
70 psi
20/10 cycle

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025277-003
PROJECT NAME: Fairchild
SITE LOCATION: East Farmingdale, NY
SITE CONTACT: Dan St. Germain
DATE: 12/19/2017
SAMPLERS: MTP, KLM
WEATHER: Partly Cloudy, 30's

WELL IDENTIFICATION NUMBER: MW 42D **PERMIT:**

WELL HEADSPACE READING: 0.1 PID MODEL/LAMP: MiniRae 3000
DEPTH TO WATER (Before Purging): 23.86 FEET FROM TOP OF CASING
WELL DEPTH: 240 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 216.14 FEET
WATER IN ONE WELL VOLUME: 141 GALLONS
PURGE TIME (start/finish): 0915/1000 PURGE RATE: 100ml/min
WELL EVACUATION DEVICE: Bladder/MP10H
SAMPLING TIME (start/finish): 1005/1010 SAMPLE RATE: 100ml/min
SAMPLE COLLECTION DEVICE: Bladder/MP10H
SAMPLE APPEARANCE: Clear

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	0915	0925	0935	0945	0950	0955	1000			
pH (SU)	6.85	5.08	5.00	5.00	5.01	5.01	5.02			
specific conductivity (mS)	0.126	0.154	0.158	0.159	0.161	0.162	0.165			
turbidity (NTU's)	3.6	10.7	8.7	8.2	10.8	11.1	11.5			
dissolved oxygen (mg/l)	8.02	2.16	1.40	1.04	0.93	0.90	0.83			
temperature (degrees C)	13.4	14.0	14.2	14.1	14.1	14.1	14.3			
redox potential (mv)	72.8	194.1	226.9	237.1	238.8	239.4	238.5			
depth to water (feet)	23.90	23.88	23.89	23.88	23.87	23.88	23.86			
volume purged (gal or L)	0	1.0	2.0	3.0	3.5	4.0	4.5			

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B
LABORATORY/CONTACT: Pace Analytical

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
SAMPLE: MW-42D-20171219 @ 1005
140 PSI
20/10 cycle

HDR

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227-003
PROJECT NAME: Fairchild
SITE LOCATION: East Farmingdale, NY
SITE CONTACT: Dan St. Germain
DATE: 12/19/17
SAMPLERS: MTP KLM
WEATHER: Partly Cloudy, 48°F

WELL IDENTIFICATION NUMBER: MW42I

PERMIT:

WELL HEADSPACE READING: 0
PID MODEL/LAMP: Mini Rae 3000
DEPTH TO WATER (Before Purging): 24.44 FEET FROM TOP OF CASING
WELL DEPTH: 179 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 154.56 FEET
WATER IN ONE WELL VOLUME: 10l GALLONS
PURGE TIME (start/finish): 0950/1046
PURGE RATE: 125 ml/min YSI ProDSS
WELL EVACUATION DEVICE: Bladder / MP15
SAMPLING TIME (start/finish): 1045/1050
SAMPLE RATE: 125 ml/min
SAMPLE COLLECTION DEVICE: Bladder / MP15
SAMPLE APPEARANCE: Clear

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	0950	1000	1010	1020	1030	1035	1040			
pH (SU)	5.73	5.84	5.85	5.86	5.86	5.86	5.86			
specific conductivity (mS)	0.210	0.428	0.429	0.432	0.434	0.434	0.433			
turbidity (NTU's)	102.7	89.7	57.4	36.9	25.9	24.2	23.8			
dissolved oxygen (mg/l)	3.97	1.19	0.81	0.68	0.63	0.59	0.56			
temperature (degrees C)	13.8	14.2	14.1	14.2	14.3	14.3	14.2			
redox potential (mv)	179.2	176.5	181.6	184.1	186.6	187.6	188.7			
depth to water (feet)	24.51	24.50	24.46	24.46	24.46	24.46	24.47			
volume purged (gal or L)	0	1.25	2.50	3.75	5.0	6.25	6.875			

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B

LABORATORY:
CONTACT: Pace Analytical

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
MW-42I-20161219 @ 1045
100 PSI
20/10 cycle.

HDR

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227-003
PROJECT NAME: Fairchild
SITE LOCATION: East Farmingdale, NY
SITE CONTACT: Dan St. Germain
DATE: 12/19/17
SAMPLERS: MTP, KLM
WEATHER: Sunny, 52°F

WELL IDENTIFICATION NUMBER: MW 43 I

PERMIT:

WELL HEADSPACE READING: 0
PID MODEL/LAMP: Mini Rae 3000
DEPTH TO WATER (Before Purging): 23.86 FEET FROM TOP OF CASING
WELL DEPTH: 200 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 176.14 FEET
WATER IN ONE WELL VOLUME: 115 GALLONS
PURGE TIME (start/finish): 12/5/1300
PURGE RATE: 200 mL/min
WELL EVACUATION DEVICE: Bladder / MP10H
SAMPLING TIME (start/finish): 1305/1310
SAMPLE RATE:
SAMPLE COLLECTION DEVICE: Bladder / MP10H
SAMPLE APPEARANCE: Clear

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	1215	1225	1235	1245	1255	1300				
pH (SU)	5.88	5.30	5.28	5.24	5.30	5.30				
specific conductivity (mS)	0.186	0.262	0.258	0.254	0.253	0.254				
turbidity (NTU's)	4.0	94.4	35.7	27.2	27.9	27.7				
dissolved oxygen (mg/l)	6.03	1.30	0.89	0.74	0.70	0.72				
temperature (degrees C)	13.7	13.7	13.7	13.7	13.8	13.8				
redox potential (mv)	105.1	177.7	205.7	216.3	221.5	220.9				
depth to water (feet)	23.84	23.89	23.88	23.87	23.88	23.89				
volume purged (gal or L)		2.0	4.0	6.0	8.0	9.0				

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B

LABORATORY:
CONTACT: Pace Analytical

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
MW-43I - 2017 1214 @ 1305
126 PST
26/10

HDR 1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227-003
PROJECT NAME: Fairchild
SITE LOCATION: East Farmingdale, NY
SITE CONTACT: Dan St. Germain
DATE: 12/19/17
SAMPLERS: MTP, KLM
WEATHER: Partly Cloudy, 51°F

WELL IDENTIFICATION NUMBER: S-66133 **PERMIT:**

WELL HEADSPACE READING: 0.2 PID MODEL/LAMP: MiniRae 3000
DEPTH TO WATER (Before Purging): 26.34 FEET FROM TOP OF CASING
WELL DEPTH: 142 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 115.66 FEET
WATER IN ONE WELL VOLUME: 170 GALLONS
PURGE TIME (start/finish): 1417/1502 PURGE RATE: 225ml/min
WELL EVACUATION DEVICE: Bladder/MP15 YSI PRO DSS
SAMPLING TIME (start/finish): 1505/1510 SAMPLE RATE:
SAMPLE COLLECTION DEVICE: Bladder/MP15
SAMPLE APPEARANCE:

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	1417	1427	1437	1447	1452	1457	1502			
pH (SU)	6.48	5.72	5.71	5.71	5.71	5.71	5.69			
specific conductivity (mS)	0.195	0.253	0.264	0.278	0.285	0.287	0.289			
turbidity (NTU's)	3.9	1.6	1.8	2.2	2.3	2.5	2.6			
dissolved oxygen (mg/l)	8.45	0.97	0.72	0.61	0.57	0.56	0.55			
temperature (degrees C)	13.4	13.9	13.9	13.8	13.8	13.8	13.8			
redox potential (mv)	78.2	0.8	-1.4	-0.6	-0.1	-0.3	0.9			
depth to water (feet)	26.34	26.39	26.37	26.40	26.39	26.40	26.39			
volume purged (gal or L)	0									

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B
LABORATORY:
CONTACT: Pace Analytical

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
SAMPLE: S-66133-20171219 @1505

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER:	10025227-003	**DATE:**	12/20/17
PROJECT NAME:	Fairchild	**SAMPLERS:**	MTP
SITE LOCATION:	East Farmingdale, NY		KLM
SITE CONTACT:	Dan St. Germain	**WEATHER:**	Partly Cloudy, 45°F

WELL IDENTIFICATION NUMBER: MW 50 **PERMIT:**

WELL HEADSPACE READING:	0.7	**PID MODEL/LAMP:**	MiniRae 3000
DEPTH TO WATER (Before Purging):	22.26	**FEET FROM TOP OF CASING**	
WELL DEPTH:	165	**FEET FROM TOP OF CASING**	
HEIGHT OF WATER IN WELL:	142.74	**FEET**	
WATER IN ONE WELL VOLUME:	93	**GALLONS**	
PURGE TIME (start/finish):	0827/0917	**PURGE RATE:**	200 ml/min
WELL EVACUATION DEVICE:	Bladder/MP15 YSI ProDSS		
SAMPLING TIME (start/finish):	0920/0925	**SAMPLE RATE:**	200 ml/min
SAMPLE COLLECTION DEVICE:	Bladder/MP15		
SAMPLE APPEARANCE:	Some suspended sediment in sample.		

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	0827	0837	0847	0857	0902	0907	0912	0917		
pH (SU)	6.18	5.60	5.57	5.55	5.54	5.54	5.53	5.53		
specific conductivity (mS)	0.204	0.186	0.186	0.185	0.185	0.185	0.185	0.185		
turbidity (NTU's)	6.2	19.8	25.2	37.0	44.2	48.3	46.5	47.2		
dissolved oxygen (mg/l)	5.58	1.14	0.90	0.70	0.65	0.62	0.60	0.58		
temperature (degrees C)	13.4	13.7	13.8	13.7	13.8	13.8	13.7	13.7		
redox potential (mv)	136.9	161.7	188.2	197.7	202.8	206.5	208.5	210.7		
depth to water (feet)	22.31	22.31	22.29	22.29	22.29	22.29	22.29	22.29		
volume purged (gal or L)	0	2.0	4.0	6.0	7.0	8.0	9.0	10.00		

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B

LABORATORY:
CONTACT: Pace Analytical

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
SAMPLE: MW50-20171220 @ 0920
90 psi
20/10 cycle

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER:	10025227-003	**DATE:**	12/20/17
PROJECT NAME:	Fairchild	**SAMPLERS:**	MTP
SITE LOCATION:	East Farmingdale, NY		KLM
SITE CONTACT:	Dan St. Germain	**WEATHER:**	Partly Cloudy, 44° F

WELL IDENTIFICATION NUMBER: MW-37I **PERMIT:**

WELL HEADSPACE READING:	0	**PID MODEL/LAMP:**	Mini Rae 3000
DEPTH TO WATER (Before Purging):	21.26	**FEET FROM TOP OF CASING**	
WELL DEPTH:	193	**FEET FROM TOP OF CASING**	
HEIGHT OF WATER IN WELL:	171.74	**FEET**	
WATER IN ONE WELL VOLUME:	112	**GALLONS**	
PURGE TIME (start/finish):	1045/1205	**PURGE RATE:**	200ml/min
WELL EVACUATION DEVICE:	Bladder/MP10H		
SAMPLING TIME (start/finish):	1210/1215	**SAMPLE RATE:**	200ml/min
SAMPLE COLLECTION DEVICE:	Bladder/MP10H		
SAMPLE APPEARANCE:	Cloudy		

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	1045	1055	1105	1115	1125	1135	1145	1155	1200	1205
pH (SU)	5.19	5.38	5.37	5.37	5.37	5.32	5.27	5.27	5.27	5.26
specific conductivity (mS)	0.227	0.231	0.231	0.231	0.232	0.234	0.257	0.278	0.280	0.285
turbidity (NTU's)	11.2	22.4	28.7	41.2	58.4	96.5	111.7	96.0	99.3	99.3
dissolved oxygen (mg/l)	4.40	1.02	0.86	0.71	0.62	0.55	0.52	0.50	0.50	0.49
temperature (degrees C)	13.0	13.2	13.0	13.1	13.2	13.2	13.1	13.1	13.1	13.0
redox potential (mv)	180.8	216.7	218.9	204.6	193.6	174.6	140.7	129.1	127.5	126.3
depth to water (feet)	21.68	22.28	22.29	22.31	22.30	22.30	22.32	22.31	22.32	22.31
volume purged (gal or L)	0	2.0	4.0	6.0	8.0	10.00	12.00	14.00	15.00	16.00

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B

LABORATORY:
CONTACT: Pace Analytical

Casing Diameter/Volume conversions	
(inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
SAMPLE: MW37I-20212220 @ 1210
125 psi
20/10 cycle

HDR

1 International Boulevard, 10th Floor, Mahwah, NJ 07495-0027

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227-003
PROJECT NAME: Fairchild
SITE LOCATION: East Farmingdale, NY
SITE CONTACT: Dan St. Germain
DATE: 12/20/17
SAMPLERS: MTP, KLM
WEATHER: Sunny, 46°F

WELL IDENTIFICATION NUMBER: MW46I **PERMIT:**

WELL HEADSPACE READING: 0.6 PID MODEL/LAMP: MiniRae 3000
DEPTH TO WATER (Before Purging): 23.93 FEET FROM TOP OF CASING
WELL DEPTH: 149 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 125.07 FEET
WATER IN ONE WELL VOLUME: 82 GALLONS
PURGE TIME (start/finish): 1322/1352 PURGE RATE: 150 ml/min
WELL EVACUATION DEVICE: Bladder/MP15 YSI PRO DSS
SAMPLING TIME (start/finish): 1355/1400 SAMPLE RATE: 150 ml/min
SAMPLE COLLECTION DEVICE: Bladder/MP15
SAMPLE APPEARANCE:

FIELD PARAMETERS	initial	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
time (00:00)	1322	1332	1342	1347	1352					
pH (SU)	5.51	5.16	5.14	5.13	5.12					
specific conductivity (mS)	0.166	0.164	0.163	0.163	0.163					
turbidity (NTU's)	3.1	20.8	21.2	21.5	20.7					
dissolved oxygen (mg/l)	6.42	1.34	0.87	0.79	0.75					
temperature (degrees C)	13.6	14.5	14.4	14.3	14.3					
redox potential (mv)	171.4	220.3	221.6	222.8	220.8					
depth to water (feet)	23.96	23.99	23.99	23.99	23.99					
volume purged (gal or L)	0	1.50	3.00	3.75	4.50					

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOC's + Freon 8260B
LABORATORY: Pace Analytical
CONTACT:

Casing Diameter/Volume conversions (inches)	(gallons per foot)
2.0	0.1632
4.0	0.6528
6.0	1.4687
8.0	2.6115

NOTES:
SAMPLE ID: MW46I-20171220@1355
20/10 cycle

APPENDIX B

Groundwater Monitoring Well
Sample Results

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 21, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Dear James:
Enclosed are the analytical results for sample(s) received by the laboratory on December 18, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: MW-49I-20171218 **Lab ID: 7038448001** Collected: 12/18/17 10:45 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 14:15	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 14:15	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 14:15	78-93-3	CL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 14:15	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 14:15	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 14:15	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 14:15	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	75-71-8	
1,1-Dichloroethane	**4.1**	ug/L	1.0	1		12/20/17 14:15	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	107-06-2	
1,1-Dichloroethene	**1.9**	ug/L	1.0	1		12/20/17 14:15	75-35-4	
cis-1,2-Dichloroethene	**181**	ug/L	1.0	1		12/20/17 14:15	156-59-2	
trans-1,2-Dichloroethene	**10.4**	ug/L	1.0	1		12/20/17 14:15	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		12/20/17 14:15	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 14:15	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 14:15	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 14:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 14:15	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	103-65-1	

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(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: MW-49I-20171218 **Lab ID: 7038448001** Collected: 12/18/17 10:45 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	79-34-5	
Tetrachloroethene	**25.6**	ug/L	1.0	1		12/20/17 14:15	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	79-00-5	
Trichloroethene	**59.1**	ug/L	1.0	1		12/20/17 14:15	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 14:15	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 14:15	108-67-8	
Vinyl chloride	**9.4**	ug/L	1.0	1		12/20/17 14:15	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 14:15	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%	68-153	1		12/20/17 14:15	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/20/17 14:15	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/20/17 14:15	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: MW-49D-20171218 **Lab ID: 7038448002** Collected: 12/18/17 11:55 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 13:57	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 13:57	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 13:57	78-93-3	CL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 13:57	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 13:57	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 13:57	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 13:57	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	75-71-8	
1,1-Dichloroethane	**1.3**	ug/L	1.0	1		12/20/17 13:57	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	75-35-4	
cis-1,2-Dichloroethene	**29.7**	ug/L	1.0	1		12/20/17 13:57	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		12/20/17 13:57	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 13:57	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 13:57	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 13:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 13:57	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	103-65-1	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: MW-49D-20171218 **Lab ID: 7038448002** Collected: 12/18/17 11:55 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	79-34-5	
Tetrachloroethene	**169**	ug/L	1.0	1		12/20/17 13:57	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	79-00-5	
Trichloroethene	**28.7**	ug/L	1.0	1		12/20/17 13:57	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:57	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:57	108-67-8	
Vinyl chloride	**1.7**	ug/L	1.0	1		12/20/17 13:57	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 13:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	117	%	68-153	1		12/20/17 13:57	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		12/20/17 13:57	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/20/17 13:57	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: BD-01-20171218 **Lab ID: 7038448003** Collected: 12/18/17 10:55 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 13:39	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 13:39	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 13:39	78-93-3	CL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 13:39	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 13:39	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 13:39	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 13:39	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	75-71-8	
1,1-Dichloroethane	**4.3**	ug/L	1.0	1		12/20/17 13:39	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	107-06-2	
1,1-Dichloroethene	**1.9**	ug/L	1.0	1		12/20/17 13:39	75-35-4	
cis-1,2-Dichloroethene	**189**	ug/L	1.0	1		12/20/17 13:39	156-59-2	
trans-1,2-Dichloroethene	**11.0**	ug/L	1.0	1		12/20/17 13:39	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		12/20/17 13:39	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 13:39	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 13:39	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 13:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 13:39	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	103-65-1	

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(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: BD-01-20171218 **Lab ID: 7038448003** Collected: 12/18/17 10:55 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	79-34-5	
Tetrachloroethene	**25.8**	ug/L	1.0	1		12/20/17 13:39	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	79-00-5	
Trichloroethene	**61.0**	ug/L	1.0	1		12/20/17 13:39	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:39	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:39	108-67-8	
Vinyl chloride	**9.9**	ug/L	1.0	1		12/20/17 13:39	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 13:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%	68-153	1		12/20/17 13:39	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		12/20/17 13:39	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/20/17 13:39	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: MW-41-20171218 **Lab ID: 7038448004** Collected: 12/18/17 13:50 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 13:21	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	108-86-1	M1
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 13:21	78-93-3	CL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	104-51-8	M1
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	135-98-8	M1
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	98-06-6	M1
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 13:21	56-23-5	
Chlorobenzene	**2.3**	ug/L	1.0	1		12/20/17 13:21	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 13:21	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	95-49-8	M1
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	106-43-4	M1
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 13:21	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-35-4	
cis-1,2-Dichloroethene	**7.7**	ug/L	1.0	1		12/20/17 13:21	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		12/20/17 13:21	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 13:21	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 13:21	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	99-87-6	M1
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 13:21	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	103-65-1	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: MW-41-20171218 **Lab ID: 7038448004** Collected: 12/18/17 13:50 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	79-34-5	
Tetrachloroethene	**25.7**	ug/L	1.0	1		12/20/17 13:21	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	79-00-5	
Trichloroethene	**3.6**	ug/L	1.0	1		12/20/17 13:21	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:21	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:21	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/20/17 13:21	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 13:21	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	117	%	68-153	1		12/20/17 13:21	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/20/17 13:21	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/20/17 13:21	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: S-66134-20171218 **Lab ID: 7038448005** Collected: 12/18/17 15:25 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 13:03	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 13:03	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 13:03	78-93-3	CL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 13:03	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 13:03	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 13:03	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 13:03	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	75-71-8	
1,1-Dichloroethane	**3.6**	ug/L	1.0	1		12/20/17 13:03	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		12/20/17 13:03	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 13:03	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 13:03	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 13:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 13:03	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	103-65-1	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: S-66134-20171218 **Lab ID: 7038448005** Collected: 12/18/17 15:25 Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 13:03	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 13:03	108-67-8	
Vinyl chloride	**3.4**	ug/L	1.0	1		12/20/17 13:03	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 13:03	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%	68-153	1		12/20/17 13:03	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		12/20/17 13:03	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/20/17 13:03	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: TB-01-20171218 **Lab ID: 7038448006** Collected: Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 12:45	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 12:45	78-93-3	CL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 12:45	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 12:45	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 12:45	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		12/20/17 12:45	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 12:45	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 12:45	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 12:45	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	103-65-1	

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Sample: TB-01-20171218 **Lab ID: 7038448006** Collected: Received: 12/18/17 16:11 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 12:45	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 12:45	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/20/17 12:45	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 12:45	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	117	%	68-153	1		12/20/17 12:45	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/20/17 12:45	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/20/17 12:45	2037-26-5	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

QC Batch: 50444 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7038448001, 7038448002, 7038448003, 7038448004, 7038448005, 7038448006

METHOD BLANK: 234212 Matrix: Water
Associated Lab Samples: 7038448001, 7038448002, 7038448003, 7038448004, 7038448005, 7038448006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
1,1-Dichloropropene	ug/L	<1.0	1.0	12/20/17 08:05	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	12/20/17 08:05	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/20/17 08:05	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/20/17 08:05	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/20/17 08:05	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/20/17 08:05	
1,3-Dichloropropane	ug/L	<1.0	1.0	12/20/17 08:05	
1,4-Diethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	12/20/17 08:05	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/20/17 08:05	CL
2-Chlorotoluene	ug/L	<1.0	1.0	12/20/17 08:05	
2-Hexanone	ug/L	<5.0	5.0	12/20/17 08:05	
4-Chlorotoluene	ug/L	<1.0	1.0	12/20/17 08:05	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/20/17 08:05	
Acetone	ug/L	<5.0	5.0	12/20/17 08:05	
Benzene	ug/L	<1.0	1.0	12/20/17 08:05	
Bromobenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Bromochloromethane	ug/L	<1.0	1.0	12/20/17 08:05	
Bromodichloromethane	ug/L	<1.0	1.0	12/20/17 08:05	
Bromoform	ug/L	<1.0	1.0	12/20/17 08:05	
Bromomethane	ug/L	<1.0	1.0	12/20/17 08:05	
Carbon disulfide	ug/L	<1.0	1.0	12/20/17 08:05	
Carbon tetrachloride	ug/L	<1.0	1.0	12/20/17 08:05	
Chlorobenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Chlorodifluoromethane	ug/L	<1.0	1.0	12/20/17 08:05	N3
Chloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
Chloroform	ug/L	<1.0	1.0	12/20/17 08:05	
Chloromethane	ug/L	<1.0	1.0	12/20/17 08:05	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/20/17 08:05	
Dibromochloromethane	ug/L	<1.0	1.0	12/20/17 08:05	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

METHOD BLANK: 234212 Matrix: Water
Associated Lab Samples: 7038448001, 7038448002, 7038448003, 7038448004, 7038448005, 7038448006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	12/20/17 08:05	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/20/17 08:05	
Ethanol	ug/L	<250	250	12/20/17 08:05	
Ethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	12/20/17 08:05	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/20/17 08:05	
Methylene Chloride	ug/L	<1.0	1.0	12/20/17 08:05	
n-Butylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
n-Propylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
p-Isopropyltoluene	ug/L	<1.0	1.0	12/20/17 08:05	
sec-Butylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Styrene	ug/L	<1.0	1.0	12/20/17 08:05	
tert-Butylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Tetrachloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
Toluene	ug/L	<1.0	1.0	12/20/17 08:05	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/20/17 08:05	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	12/20/17 08:05	
Trichloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
Vinyl chloride	ug/L	<1.0	1.0	12/20/17 08:05	
Xylene (Total)	ug/L	<2.0	2.0	12/20/17 08:05	
1,2-Dichloroethane-d4 (S)	%	117	68-153	12/20/17 08:05	
4-Bromofluorobenzene (S)	%	103	79-124	12/20/17 08:05	
Toluene-d8 (S)	%	101	69-124	12/20/17 08:05	

LABORATORY CONTROL SAMPLE: 234213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.1	96	74-113	
1,1,1-Trichloroethane	ug/L	50	53.0	106	65-118	CH
1,1,2,2-Tetrachloroethane	ug/L	50	46.3	93	74-121	
1,1,2-Trichloroethane	ug/L	50	50.9	102	80-117	
1,1-Dichloroethane	ug/L	50	48.9	98	83-151	
1,1-Dichloroethene	ug/L	50	50.1	100	45-146	
1,1-Dichloropropene	ug/L	50	51.4	103	59-127	
1,2,3-Trichlorobenzene	ug/L	50	36.5	73	67-103	
1,2,3-Trichloropropane	ug/L	50	50.8	102	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	49.0	98	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	49.0	98	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	53.8	108	83-115	
1,2-Dichloroethane	ug/L	50	55.0	110	74-129	
1,2-Dichloropropane	ug/L	50	50.7	101	75-117	
1,3,5-Trimethylbenzene	ug/L	50	48.7	97	67-116	
1,3-Dichlorobenzene	ug/L	50	51.6	103	71-112	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

LABORATORY CONTROL SAMPLE: 234213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	49.3	99	74-112	
1,4-Diethylbenzene	ug/L	50	47.6	95	56-130	N3
2,2-Dichloropropane	ug/L	50	48.9	98	63-133	
2-Butanone (MEK)	ug/L	50	33.5	67	44-162	CL
2-Chlorotoluene	ug/L	50	50.3	101	74-101	
2-Hexanone	ug/L	50	47.8	96	32-183	
4-Chlorotoluene	ug/L	50	50.3	101	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.8	104	69-132	
Acetone	ug/L	50	43.6	87	23-188	
Benzene	ug/L	50	50.7	101	73-119	
Bromobenzene	ug/L	50	50.7	101	72-102	
Bromochloromethane	ug/L	50	48.8	98	81-116	
Bromodichloromethane	ug/L	50	53.9	108	78-117	
Bromoform	ug/L	50	45.7	91	65-122	
Bromomethane	ug/L	50	40.7	81	52-147	
Carbon disulfide	ug/L	50	46.3	93	41-144	
Carbon tetrachloride	ug/L	50	49.6	99	59-120	
Chlorobenzene	ug/L	50	49.1	98	75-113	
Chlorodifluoromethane	ug/L	50	41.4	83	43-140	N3
Chloroethane	ug/L	50	49.3	99	49-151	
Chloroform	ug/L	50	50.1	100	72-122	
Chloromethane	ug/L	50	39.6	79	46-144	
cis-1,2-Dichloroethene	ug/L	50	50.0	100	72-121	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	78-116	
Dibromochloromethane	ug/L	50	49.4	99	70-120	
Dibromomethane	ug/L	50	52.5	105	75-125	
Dichlorodifluoromethane	ug/L	50	42.5	85	22-154	
Ethanol	ug/L	1250	1140	91	10-151	
Ethylbenzene	ug/L	50	50.2	100	70-113	
Hexachloro-1,3-butadiene	ug/L	50	42.4	85	59-121	
Isopropylbenzene (Cumene)	ug/L	50	49.6	99	67-115	
Methylene Chloride	ug/L	50	44.7	89	61-142	
n-Butylbenzene	ug/L	50	50.6	101	73-107	
n-Propylbenzene	ug/L	50	50.0	100	68-116	
p-Isopropyltoluene	ug/L	50	48.8	98	73-101	
sec-Butylbenzene	ug/L	50	48.7	97	72-103	
Styrene	ug/L	50	51.7	103	72-118	
tert-Butylbenzene	ug/L	50	48.0	96	68-100	
Tetrachloroethene	ug/L	50	53.6	107	60-128	
Toluene	ug/L	50	52.2	104	72-119	
trans-1,2-Dichloroethene	ug/L	50	49.6	99	56-142	
trans-1,3-Dichloropropene	ug/L	50	53.8	108	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	55.7	111	71-121	CH
Trichloroethene	ug/L	50	52.8	106	69-117	
Vinyl chloride	ug/L	50	48.1	96	43-143	
Xylene (Total)	ug/L	150	151	101	71-109	
1,2-Dichloroethane-d4 (S)	%			113	68-153	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

LABORATORY CONTROL SAMPLE: 234213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			103	79-124	
Toluene-d8 (S)	%			101	69-124	

MATRIX SPIKE SAMPLE: 234897

Parameter	Units	7038448004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	48.6	97	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	57.4	115	65-118	CH
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	46.8	94	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	50.6	101	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	55.9	112	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	57.2	114	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	57.5	115	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	37.8	76	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	50.2	100	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	50.1	100	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50.5	101	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	53.6	107	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	58.7	117	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	53.0	106	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	51.0	102	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	52.5	105	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	50.5	101	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	50.7	101	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	55.3	111	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	35.0	70	44-162	CL
2-Chlorotoluene	ug/L	<1.0	50	52.5	105	74-101	M1
2-Hexanone	ug/L	<5.0	50	47.9	96	32-183	
4-Chlorotoluene	ug/L	<1.0	50	52.6	105	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	51.4	103	69-132	
Acetone	ug/L	<5.0	50	43.9	88	23-188	
Benzene	ug/L	<1.0	50	54.3	109	73-119	
Bromobenzene	ug/L	<1.0	50	51.7	103	72-102	M1
Bromochloromethane	ug/L	<1.0	50	51.6	103	81-116	
Bromodichloromethane	ug/L	<1.0	50	54.9	110	78-117	
Bromoform	ug/L	<1.0	50	43.0	86	65-122	
Bromomethane	ug/L	<1.0	50	45.1	90	52-147	
Carbon disulfide	ug/L	<1.0	50	52.2	104	41-144	
Carbon tetrachloride	ug/L	<1.0	50	53.3	107	59-120	
Chlorobenzene	ug/L	2.3	50	52.5	100	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	47.2	94	43-140	N3
Chloroethane	ug/L	<1.0	50	55.1	110	49-151	
Chloroform	ug/L	<1.0	50	55.6	111	72-122	
Chloromethane	ug/L	<1.0	50	43.2	86	46-144	
cis-1,2-Dichloroethene	ug/L	7.7	50	62.4	109	72-121	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

MATRIX SPIKE SAMPLE: 234897

Parameter	Units	7038448004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.2	104	78-116	
Dibromochloromethane	ug/L	<1.0	50	48.1	96	70-120	
Dibromomethane	ug/L	<1.0	50	53.2	106	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	44.0	88	22-154	
Ethanol	ug/L	<250	1250	1200	96	10-151	
Ethylbenzene	ug/L	<1.0	50	52.0	104	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	45.4	91	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	52.6	105	67-115	
Methylene Chloride	ug/L	<1.0	50	48.3	97	61-142	
n-Butylbenzene	ug/L	<1.0	50	53.9	108	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	53.4	107	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	51.1	102	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	52.5	105	72-103	M1
Styrene	ug/L	<1.0	50	52.4	105	72-118	
tert-Butylbenzene	ug/L	<1.0	50	51.3	103	68-100	M1
Tetrachloroethene	ug/L	25.7	50	78.6	106	60-128	
Toluene	ug/L	<1.0	50	54.6	109	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	56.5	113	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	53.6	107	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	56.1	112	71-121	CH
Trichloroethene	ug/L	3.6	50	60.5	114	69-117	
Vinyl chloride	ug/L	<1.0	50	54.2	108	43-143	
Xylene (Total)	ug/L	<2.0	150	156	104	71-109	
1,2-Dichloroethane-d4 (S)	%				117	68-153	
4-Bromofluorobenzene (S)	%				101	79-124	
Toluene-d8 (S)	%				100	69-124	

SAMPLE DUPLICATE: 234896

Parameter	Units	7038448001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	4.1	4.2	2	
1,1-Dichloroethene	ug/L	1.9	1.8	5	
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

SAMPLE DUPLICATE: 234896

Parameter	Units	7038448001 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		CL
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	181	179	1	
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	25.6	23.6	8	
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	10.4	10.1	3	
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	59.1	57.3	3	
Vinyl chloride	ug/L	9.4	9.1	3	
Xylene (Total)	ug/L	<2.0	<2.0		

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REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

SAMPLE DUPLICATE: 234896

Parameter	Units	7038448001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	118	119	1	
4-Bromofluorobenzene (S)	%	102	100	2	
Toluene-d8 (S)	%	101	99	2	

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REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRCHILD ANNUAL 12/18
Pace Project No.: 7038448

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7038448001	**MW-49I-20171218**	EPA 8260C/5030C	50444		
7038448002	**MW-49D-20171218**	EPA 8260C/5030C	50444		
7038448003	**BD-01-20171218**	EPA 8260C/5030C	50444		
7038448004	**MW-41-20171218**	EPA 8260C/5030C	50444		
7038448005	**S-66134-20171218**	EPA 8260C/5030C	50444		
7038448006	**TB-01-20171218**	EPA 8260C/5030C	50444		

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WO# : 7038448

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page 1 of 1

2239011

Section A Required Client Information:
Company: HDR
Address: One International Blvd
Mahwah, NJ 07495
Email To: Daniel.StGermain@HDRINC.com
Phone: (201)335-9338 Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:
Report To: HDR
Copy To:
Purchase Order No.:
Project Name: Fairchild Annual
Project Number: 10025227-003

Section C Invoice Information:
Attention: Dan St. Germain
Company Name: HDR
Address: One International Blvd Mahwah, NJ 07495
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location STATE: NY

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: 40mL-VOC Stricon 8260B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-49I-20171218	GW	G	12/18/17	1045				2				2					2		001
2	MW-49D-20171218	GW	G	12/18/17	1155				2				2					2		002
3	BD-01-20171218	GW	G	12/18/17	1055				2				2					2		003
4	MW-41-20171218	GW	G	12/18/17	1350				2				2					2		004
5	S-66134-20171218	GW	G	12/18/17	1525				2				2					2		005
6	TB-01-20171218	W							2				2					2		006
7																				
8																				
9																				
10																				
11																				
12																				

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp In °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	HDR	12/18/17	1611		12/18/17	1611	5.9	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MTP/KLM
SIGNATURE of SAMPLER:
DATE Signed (MM/DD/YY): 12/18/2017

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical
Long Island Laboratory

Sample Condition Upon Receipt

WO#: 7038448
PM: JDS Due Date: 12/28/17
CLIENT: FAIR

Client Name: Proje

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH092 Correction Factor: +0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 9.9 Cooler Temperature Corrected (°C): 9.9 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) Date and Initials of person examining contents: SG 12/18/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL (WT) OIL				
All containers needing preservation have been checked	☐Yes	☐No	☑N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐Yes	☐No	☑N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 21, 2017

Daniel St. Germaine
HDR
1 International Blvd.
Mahwah, NJ 07495

RE: Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Dear Daniel Germaine:
Enclosed are the analytical results for sample(s) received by the laboratory on December 19, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: James, Wire to Water Electrical Contractors
Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: MW-42D-20171219 **Lab ID: 7038590001** Collected: 12/18/17 10:05 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	156-60-5	
1,1-Dichloroethane	**4.9**	ug/L	1.0	1		12/20/17 16:27	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	594-20-7	
cis-1,2-Dichloroethene	**1.7**	ug/L	1.0	1		12/20/17 16:27	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 16:27	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 16:27	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	107-06-2	
Trichloroethene	**14.9**	ug/L	1.0	1		12/20/17 16:27	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 16:27	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 16:27	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 16:27	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	98-06-6	

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(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: MW-42D-20171219 **Lab ID: 7038590001** Collected: 12/18/17 10:05 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	87-61-6	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 16:27	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 16:27	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 16:27	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 16:27	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/20/17 16:27	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:27	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:27	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	118	%	68-153	1		12/20/17 16:27	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/20/17 16:27	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/20/17 16:27	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: MW-42I-20171219 **Lab ID: 7038590002** Collected: 12/18/17 10:45 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	594-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 16:09	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 16:09	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	107-06-2	
Trichloroethene	**1.3**	ug/L	1.0	1		12/20/17 16:09	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 16:09	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 16:09	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 16:09	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	98-06-6	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: MW-42I-20171219 **Lab ID: 7038590002** Collected: 12/18/17 10:45 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	87-61-6	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 16:09	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 16:09	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 16:09	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 16:09	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/20/17 16:09	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 16:09	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 16:09	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	119	%	68-153	1		12/20/17 16:09	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/20/17 16:09	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		12/20/17 16:09	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: MW-43I-20171219 **Lab ID: 7038590003** Collected: 12/19/17 13:05 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	156-60-5	
1,1-Dichloroethane	**1.5**	ug/L	1.0	1		12/20/17 15:50	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	594-20-7	
cis-1,2-Dichloroethene	**7.5**	ug/L	1.0	1		12/20/17 15:50	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 15:50	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 15:50	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	107-06-2	
Trichloroethene	**71.4**	ug/L	1.0	1		12/20/17 15:50	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	79-00-5	
Tetrachloroethene	**4.7**	ug/L	1.0	1		12/20/17 15:50	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 15:50	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 15:50	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 15:50	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	98-06-6	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: MW-43I-20171219 **Lab ID: 7038590003** Collected: 12/19/17 13:05 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	87-61-6	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 15:50	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 15:50	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 15:50	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 15:50	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/20/17 15:50	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:50	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:50	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	121	%	68-153	1		12/20/17 15:50	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		12/20/17 15:50	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/20/17 15:50	2037-26-5	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: S-66133-20171219 **Lab ID: 7038590004** Collected: 12/19/17 15:05 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	74-87-3	
Vinyl chloride	**1.2**	ug/L	1.0	1		12/20/17 15:32	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-35-4	
trans-1,2-Dichloroethene	**1.0**	ug/L	1.0	1		12/20/17 15:32	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	594-20-7	
cis-1,2-Dichloroethene	**67.1**	ug/L	1.0	1		12/20/17 15:32	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 15:32	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 15:32	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	107-06-2	
Trichloroethene	**15.2**	ug/L	1.0	1		12/20/17 15:32	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 15:32	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 15:32	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 15:32	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	98-06-6	

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: S-66133-20171219 **Lab ID: 7038590004** Collected: 12/19/17 15:05 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	87-61-6	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 15:32	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 15:32	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 15:32	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 15:32	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/20/17 15:32	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:32	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:32	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	117	%	68-153	1		12/20/17 15:32	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/20/17 15:32	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/20/17 15:32	2037-26-5	

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(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: TB-02-20171219 **Lab ID: 7038590005** Collected: 12/19/17 00:00 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	594-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/20/17 15:14	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/20/17 15:14	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	107-06-2	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/20/17 15:14	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/20/17 15:14	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/20/17 15:14	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	98-06-6	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Sample: TB-02-20171219 **Lab ID: 7038590005** Collected: 12/19/17 00:00 Received: 12/19/17 16:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	87-61-6	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/20/17 15:14	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/20/17 15:14	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/20/17 15:14	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/20/17 15:14	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/20/17 15:14	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/20/17 15:14	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/20/17 15:14	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%	68-153	1		12/20/17 15:14	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/20/17 15:14	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/20/17 15:14	2037-26-5	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

QC Batch: 50444 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7038590001, 7038590002, 7038590003, 7038590004, 7038590005

METHOD BLANK: 234212 Matrix: Water
Associated Lab Samples: 7038590001, 7038590002, 7038590003, 7038590004, 7038590005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
1,1-Dichloropropene	ug/L	<1.0	1.0	12/20/17 08:05	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	12/20/17 08:05	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/20/17 08:05	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/20/17 08:05	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/20/17 08:05	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/20/17 08:05	
1,3-Dichloropropane	ug/L	<1.0	1.0	12/20/17 08:05	
1,4-Diethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	12/20/17 08:05	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/20/17 08:05	CL
2-Chlorotoluene	ug/L	<1.0	1.0	12/20/17 08:05	
2-Hexanone	ug/L	<5.0	5.0	12/20/17 08:05	
4-Chlorotoluene	ug/L	<1.0	1.0	12/20/17 08:05	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/20/17 08:05	
Acetone	ug/L	<5.0	5.0	12/20/17 08:05	
Benzene	ug/L	<1.0	1.0	12/20/17 08:05	
Bromobenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Bromochloromethane	ug/L	<1.0	1.0	12/20/17 08:05	
Bromodichloromethane	ug/L	<1.0	1.0	12/20/17 08:05	
Bromoform	ug/L	<1.0	1.0	12/20/17 08:05	
Bromomethane	ug/L	<1.0	1.0	12/20/17 08:05	
Carbon disulfide	ug/L	<1.0	1.0	12/20/17 08:05	
Carbon tetrachloride	ug/L	<1.0	1.0	12/20/17 08:05	
Chlorobenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Chlorodifluoromethane	ug/L	<1.0	1.0	12/20/17 08:05	N3
Chloroethane	ug/L	<1.0	1.0	12/20/17 08:05	
Chloroform	ug/L	<1.0	1.0	12/20/17 08:05	
Chloromethane	ug/L	<1.0	1.0	12/20/17 08:05	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/20/17 08:05	
Dibromochloromethane	ug/L	<1.0	1.0	12/20/17 08:05	

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(631)694-3040

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

METHOD BLANK: 234212 Matrix: Water
Associated Lab Samples: 7038590001, 7038590002, 7038590003, 7038590004, 7038590005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	12/20/17 08:05	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/20/17 08:05	
Ethanol	ug/L	<250	250	12/20/17 08:05	
Ethylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	12/20/17 08:05	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/20/17 08:05	
Methylene Chloride	ug/L	<1.0	1.0	12/20/17 08:05	
n-Butylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
n-Propylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
p-Isopropyltoluene	ug/L	<1.0	1.0	12/20/17 08:05	
sec-Butylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Styrene	ug/L	<1.0	1.0	12/20/17 08:05	
tert-Butylbenzene	ug/L	<1.0	1.0	12/20/17 08:05	
Tetrachloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
Toluene	ug/L	<1.0	1.0	12/20/17 08:05	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/20/17 08:05	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	12/20/17 08:05	
Trichloroethene	ug/L	<1.0	1.0	12/20/17 08:05	
Vinyl chloride	ug/L	<1.0	1.0	12/20/17 08:05	
Xylene (Total)	ug/L	<2.0	2.0	12/20/17 08:05	
1,2-Dichloroethane-d4 (S)	%	117	68-153	12/20/17 08:05	
4-Bromofluorobenzene (S)	%	103	79-124	12/20/17 08:05	
Toluene-d8 (S)	%	101	69-124	12/20/17 08:05	

LABORATORY CONTROL SAMPLE: 234213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.1	96	74-113	
1,1,1-Trichloroethane	ug/L	50	53.0	106	65-118	CH
1,1,2,2-Tetrachloroethane	ug/L	50	46.3	93	74-121	
1,1,2-Trichloroethane	ug/L	50	50.9	102	80-117	
1,1-Dichloroethane	ug/L	50	48.9	98	83-151	
1,1-Dichloroethene	ug/L	50	50.1	100	45-146	
1,1-Dichloropropene	ug/L	50	51.4	103	59-127	
1,2,3-Trichlorobenzene	ug/L	50	36.5	73	67-103	
1,2,3-Trichloropropane	ug/L	50	50.8	102	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	49.0	98	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	49.0	98	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	53.8	108	83-115	
1,2-Dichloroethane	ug/L	50	55.0	110	74-129	
1,2-Dichloropropane	ug/L	50	50.7	101	75-117	
1,3,5-Trimethylbenzene	ug/L	50	48.7	97	67-116	
1,3-Dichlorobenzene	ug/L	50	51.6	103	71-112	

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(631)694-3040

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

LABORATORY CONTROL SAMPLE: 234213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	49.3	99	74-112	
1,4-Diethylbenzene	ug/L	50	47.6	95	56-130	N3
2,2-Dichloropropane	ug/L	50	48.9	98	63-133	
2-Butanone (MEK)	ug/L	50	33.5	67	44-162	CL
2-Chlorotoluene	ug/L	50	50.3	101	74-101	
2-Hexanone	ug/L	50	47.8	96	32-183	
4-Chlorotoluene	ug/L	50	50.3	101	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.8	104	69-132	
Acetone	ug/L	50	43.6	87	23-188	
Benzene	ug/L	50	50.7	101	73-119	
Bromobenzene	ug/L	50	50.7	101	72-102	
Bromochloromethane	ug/L	50	48.8	98	81-116	
Bromodichloromethane	ug/L	50	53.9	108	78-117	
Bromoform	ug/L	50	45.7	91	65-122	
Bromomethane	ug/L	50	40.7	81	52-147	
Carbon disulfide	ug/L	50	46.3	93	41-144	
Carbon tetrachloride	ug/L	50	49.6	99	59-120	
Chlorobenzene	ug/L	50	49.1	98	75-113	
Chlorodifluoromethane	ug/L	50	41.4	83	43-140	N3
Chloroethane	ug/L	50	49.3	99	49-151	
Chloroform	ug/L	50	50.1	100	72-122	
Chloromethane	ug/L	50	39.6	79	46-144	
cis-1,2-Dichloroethene	ug/L	50	50.0	100	72-121	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	78-116	
Dibromochloromethane	ug/L	50	49.4	99	70-120	
Dibromomethane	ug/L	50	52.5	105	75-125	
Dichlorodifluoromethane	ug/L	50	42.5	85	22-154	
Ethanol	ug/L	1250	1140	91	10-151	
Ethylbenzene	ug/L	50	50.2	100	70-113	
Hexachloro-1,3-butadiene	ug/L	50	42.4	85	59-121	
Isopropylbenzene (Cumene)	ug/L	50	49.6	99	67-115	
Methylene Chloride	ug/L	50	44.7	89	61-142	
n-Butylbenzene	ug/L	50	50.6	101	73-107	
n-Propylbenzene	ug/L	50	50.0	100	68-116	
p-Isopropyltoluene	ug/L	50	48.8	98	73-101	
sec-Butylbenzene	ug/L	50	48.7	97	72-103	
Styrene	ug/L	50	51.7	103	72-118	
tert-Butylbenzene	ug/L	50	48.0	96	68-100	
Tetrachloroethene	ug/L	50	53.6	107	60-128	
Toluene	ug/L	50	52.2	104	72-119	
trans-1,2-Dichloroethene	ug/L	50	49.6	99	56-142	
trans-1,3-Dichloropropene	ug/L	50	53.8	108	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	55.7	111	71-121	CH
Trichloroethene	ug/L	50	52.8	106	69-117	
Vinyl chloride	ug/L	50	48.1	96	43-143	
Xylene (Total)	ug/L	150	151	101	71-109	
1,2-Dichloroethane-d4 (S)	%			113	68-153	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

LABORATORY CONTROL SAMPLE: 234213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			103	79-124	
Toluene-d8 (S)	%			101	69-124	

MATRIX SPIKE SAMPLE: 234897

Parameter	Units	7038448004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	48.6	97	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	57.4	115	65-118	CH
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	46.8	94	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	50.6	101	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	55.9	112	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	57.2	114	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	57.5	115	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	37.8	76	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	50.2	100	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	50.1	100	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50.5	101	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	53.6	107	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	58.7	117	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	53.0	106	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	51.0	102	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	52.5	105	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	50.5	101	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	50.7	101	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	55.3	111	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	35.0	70	44-162	CL
2-Chlorotoluene	ug/L	<1.0	50	52.5	105	74-101	M1
2-Hexanone	ug/L	<5.0	50	47.9	96	32-183	
4-Chlorotoluene	ug/L	<1.0	50	52.6	105	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	51.4	103	69-132	
Acetone	ug/L	<5.0	50	43.9	88	23-188	
Benzene	ug/L	<1.0	50	54.3	109	73-119	
Bromobenzene	ug/L	<1.0	50	51.7	103	72-102	M1
Bromochloromethane	ug/L	<1.0	50	51.6	103	81-116	
Bromodichloromethane	ug/L	<1.0	50	54.9	110	78-117	
Bromoform	ug/L	<1.0	50	43.0	86	65-122	
Bromomethane	ug/L	<1.0	50	45.1	90	52-147	
Carbon disulfide	ug/L	<1.0	50	52.2	104	41-144	
Carbon tetrachloride	ug/L	<1.0	50	53.3	107	59-120	
Chlorobenzene	ug/L	2.3	50	52.5	100	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	47.2	94	43-140	N3
Chloroethane	ug/L	<1.0	50	55.1	110	49-151	
Chloroform	ug/L	<1.0	50	55.6	111	72-122	
Chloromethane	ug/L	<1.0	50	43.2	86	46-144	
cis-1,2-Dichloroethene	ug/L	7.7	50	62.4	109	72-121	

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(631)694-3040

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

MATRIX SPIKE SAMPLE: 234897

Parameter	Units	7038448004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.2	104	78-116	
Dibromochloromethane	ug/L	<1.0	50	48.1	96	70-120	
Dibromomethane	ug/L	<1.0	50	53.2	106	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	44.0	88	22-154	
Ethanol	ug/L	<250	1250	1200	96	10-151	
Ethylbenzene	ug/L	<1.0	50	52.0	104	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	45.4	91	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	52.6	105	67-115	
Methylene Chloride	ug/L	<1.0	50	48.3	97	61-142	
n-Butylbenzene	ug/L	<1.0	50	53.9	108	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	53.4	107	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	51.1	102	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	52.5	105	72-103	M1
Styrene	ug/L	<1.0	50	52.4	105	72-118	
tert-Butylbenzene	ug/L	<1.0	50	51.3	103	68-100	M1
Tetrachloroethene	ug/L	25.7	50	78.6	106	60-128	
Toluene	ug/L	<1.0	50	54.6	109	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	56.5	113	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	53.6	107	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	56.1	112	71-121	CH
Trichloroethene	ug/L	3.6	50	60.5	114	69-117	
Vinyl chloride	ug/L	<1.0	50	54.2	108	43-143	
Xylene (Total)	ug/L	<2.0	150	156	104	71-109	
1,2-Dichloroethane-d4 (S)	%				117	68-153	
4-Bromofluorobenzene (S)	%				101	79-124	
Toluene-d8 (S)	%				100	69-124	

SAMPLE DUPLICATE: 234896

Parameter	Units	7038448001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	4.1	4.2	2	
1,1-Dichloroethene	ug/L	1.9	1.8	5	
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

SAMPLE DUPLICATE: 234896

Parameter	Units	7038448001 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		CL
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	181	179	1	
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	25.6	23.6	8	
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	10.4	10.1	3	
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	59.1	57.3	3	
Vinyl chloride	ug/L	9.4	9.1	3	
Xylene (Total)	ug/L	<2.0	<2.0		

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

SAMPLE DUPLICATE: 234896

Parameter	Units	7038448001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	118	119	1	
4-Bromofluorobenzene (S)	%	102	100	2	
Toluene-d8 (S)	%	101	99	2	

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QUALIFIERS

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRCHILD ANNUAL-10025227-003
Pace Project No.: 7038590

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7038590001	**MW-42D-20171219**	EPA 8260C/5030C	50444		
7038590002	**MW-42I-20171219**	EPA 8260C/5030C	50444		
7038590003	**MW-43I-20171219**	EPA 8260C/5030C	50444		
7038590004	**S-66133-20171219**	EPA 8260C/5030C	50444		
7038590005	**TB-02-20171219**	EPA 8260C/5030C	50444		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of

2239012

Section A Required Client Information:

Company:	HDR
Address:	One International Blvd Mahwah, NJ 07495
Email To:	Daniel.StGermain@HDRInc.com
Phone: (201) 335-9335 Fax:	
Requested Due Date/TAT:	Standard

Section B Required Project Information:

Report To:	HDR
Copy To:	
Purchase Order No.:	
Project Name:	Fairchild Annual
Project Number:	10025227-003

Section C Invoice Information:

Attention:	Dan St. Germain
Company Name:	HDR
Address:	one International Blvd, Mahwah, NJ 07495
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: 40 ml - VOA Frozen Stock Y	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-42D-20171219	GW	G	12/19/17	1005				2				2					2		001
2	MW-42I-20171219	GW	G	12/19/17	1045				2				2					2		002
3	MW-43I-20171219	GW	G	12/19/17	1305				2				2					2		003
4	S-66133-20171219	GW	G	12/19/17	1505				2				2					2		004
5	TB-02-20171219	W							2				2					2		005
6																				
7																				
8																				
9																				
10																				
11																				
12																				

WO#: 7038590

7038590

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		12/19/17	1610		12/19/17	16:10	6.7	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MTP/KLM

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 12/19/2017

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical
Long Island Laboratory

WO#: 7038590
PM: JDS Due Date: 12/29/17
CLIENT: FAIR

Client Name: HDR - Fairchild

Project

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No

Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH092

Correction Factor: +0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 6.7

Cooler Temperature Corrected (°C): 6.7

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: JK 12/19/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐Yes	☐No	☑N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☑Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☑No	☐N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 29, 2017

Daniel St. Germaine
HDR
1 International Blvd.
Mahwah, NJ 07495

RE: Project: MONTHLY
Pace Project No.: 7038599

Dear Daniel Germaine:
Enclosed are the analytical results for sample(s) received by the laboratory on December 19, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: James, Wire to Water Electrical Contractors
Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: MONTHLY
Pace Project No.: 7038599

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: INFLUENT #1 **Lab ID: 7038599001** Collected: 12/19/17 16:30 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	12/26/17 08:36	12/27/17 17:19	7440-41-7	
Iron	**837**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:19	7439-89-6	
Manganese	**82.2**	ug/L	10.0	1	12/26/17 08:36	12/27/17 17:19	7439-96-5	
Zinc	**91.0**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:19	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/29/17 13:50	7440-41-7	
Iron, Dissolved	**302**	ug/L	20.0	1		12/29/17 13:50	7439-89-6	
Manganese, Dissolved	**72.3**	ug/L	10.0	1		12/29/17 13:50	7439-96-5	
Zinc, Dissolved	**86.5**	ug/L	20.0	1		12/29/17 13:50	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	74-87-3	
Vinyl chloride	**21.0**	ug/L	1.0	1		12/23/17 01:12	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-09-2	
1,1-Dichloroethene	**8.8**	ug/L	1.0	1		12/23/17 01:12	75-35-4	
trans-1,2-Dichloroethene	**2.1**	ug/L	1.0	1		12/23/17 01:12	156-60-5	
1,1-Dichloroethane	**17.7**	ug/L	1.0	1		12/23/17 01:12	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	594-20-7	
cis-1,2-Dichloroethene	**253**	ug/L	10.0	10		12/27/17 13:07	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/23/17 01:12	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/23/17 01:12	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	563-58-6	
Benzene	**2.2**	ug/L	1.0	1		12/23/17 01:12	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	107-06-2	
Trichloroethene	**121**	ug/L	1.0	1		12/23/17 01:12	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	79-00-5	
Tetrachloroethene	**705**	ug/L	10.0	10		12/27/17 13:07	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/23/17 01:12	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/23/17 01:12	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: INFLUENT #1 **Lab ID: 7038599001** Collected: 12/19/17 16:30 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/23/17 01:12	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	98-06-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	87-61-6	CL,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/23/17 01:12	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/23/17 01:12	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/23/17 01:12	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/23/17 01:12	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/23/17 01:12	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/23/17 01:12	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		12/23/17 01:12	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		12/23/17 01:12	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**95.0**	mg/L	10.0	1		12/22/17 14:30		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: INFLUENT #2 **Lab ID: 7038599002** Collected: 12/19/17 16:15 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	12/26/17 08:36	12/27/17 17:24	7440-41-7	
Iron	**1110**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:24	7439-89-6	
Manganese	**73.0**	ug/L	10.0	1	12/26/17 08:36	12/27/17 17:24	7439-96-5	
Zinc	**38.0**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:24	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/29/17 13:54	7440-41-7	
Iron, Dissolved	**461**	ug/L	20.0	1		12/29/17 13:54	7439-89-6	
Manganese, Dissolved	**69.6**	ug/L	10.0	1		12/29/17 13:54	7439-96-5	
Zinc, Dissolved	**31.5**	ug/L	20.0	1		12/29/17 13:54	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	594-20-7	
cis-1,2-Dichloroethene	**1.4**	ug/L	1.0	1		12/23/17 01:31	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/23/17 01:31	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/23/17 01:31	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	107-06-2	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	79-00-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		12/23/17 01:31	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/23/17 01:31	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/23/17 01:31	1330-20-7	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: INFLUENT #2 **Lab ID: 7038599002** Collected: 12/19/17 16:15 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/23/17 01:31	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	98-06-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	87-61-6	CL,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/23/17 01:31	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/23/17 01:31	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/23/17 01:31	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/23/17 01:31	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/23/17 01:31	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/23/17 01:31	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/23/17 01:31	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/23/17 01:31	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**100**	mg/L	10.0	1		12/22/17 14:31		

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(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: EFFLUENT#1 **Lab ID: 7038599003** Collected: 12/19/17 16:00 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	12/26/17 08:36	12/27/17 17:25	7440-41-7	
Iron	**746**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:25	7439-89-6	
Manganese	**74.6**	ug/L	10.0	1	12/26/17 08:36	12/27/17 17:25	7439-96-5	
Zinc	**22.9**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:25	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/29/17 13:55	7440-41-7	
Iron, Dissolved	**140**	ug/L	20.0	1		12/29/17 13:55	7439-89-6	
Manganese, Dissolved	**70.4**	ug/L	10.0	1		12/29/17 13:55	7439-96-5	
Zinc, Dissolved	**25.6**	ug/L	20.0	1		12/29/17 13:55	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	594-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/23/17 00:54	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/23/17 00:54	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	107-06-2	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/23/17 00:54	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/23/17 00:54	1330-20-7	

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ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: EFFLUENT#1 **Lab ID: 7038599003** Collected: 12/19/17 16:00 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/23/17 00:54	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	98-06-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	87-61-6	CL,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/23/17 00:54	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/23/17 00:54	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/23/17 00:54	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/23/17 00:54	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/23/17 00:54	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/23/17 00:54	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/23/17 00:54	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/23/17 00:54	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**100**	mg/L	10.0	1		12/22/17 14:32		

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

QC Batch: 51156 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7038599001, 7038599002, 7038599003

METHOD BLANK: 237142 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	12/29/17 13:48	
Iron, Dissolved	ug/L	<20.0	20.0	12/29/17 13:48	
Manganese, Dissolved	ug/L	<10.0	10.0	12/29/17 13:48	
Zinc, Dissolved	ug/L	<20.0	20.0	12/29/17 13:48	

LABORATORY CONTROL SAMPLE: 237144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	50.9	102	85-115	
Iron, Dissolved	ug/L	2000	2030	102	85-115	
Manganese, Dissolved	ug/L	250	255	102	85-115	
Zinc, Dissolved	ug/L	1000	1030	103	85-115	

MATRIX SPIKE SAMPLE: 237147

Parameter	Units	7038599001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	50.8	101	70-130	
Iron, Dissolved	ug/L	302	2000	2370	103	70-130	
Manganese, Dissolved	ug/L	72.3	250	325	101	70-130	
Zinc, Dissolved	ug/L	86.5	1000	1130	104	70-130	

SAMPLE DUPLICATE: 237146

Parameter	Units	7038599001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	302	298	1	
Manganese, Dissolved	ug/L	72.3	70.6	2	
Zinc, Dissolved	ug/L	86.5	86.0	1	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

QC Batch: 50959 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7038599001, 7038599002, 7038599003

METHOD BLANK: 236383 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	12/27/17 17:09	
Iron	ug/L	<20.0	20.0	12/27/17 17:09	
Manganese	ug/L	<10.0	10.0	12/27/17 17:09	
Zinc	ug/L	<20.0	20.0	12/27/17 17:09	

LABORATORY CONTROL SAMPLE: 236384

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	50.8	102	85-115	
Iron	ug/L	2000	2030	102	85-115	
Manganese	ug/L	250	252	101	85-115	
Zinc	ug/L	1000	1020	102	85-115	

MATRIX SPIKE SAMPLE: 236386

Parameter	Units	7038561002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	50.1	100	70-130	
Iron	ug/L	506	2000	2510	100	70-130	
Manganese	ug/L	103	250	343	96	70-130	
Zinc	ug/L	44.0	1000	1040	100	70-130	

MATRIX SPIKE SAMPLE: 236388

Parameter	Units	7038599001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	45.4	91	70-130	
Iron	ug/L	837	2000	2650	91	70-130	
Manganese	ug/L	82.2	250	301	88	70-130	
Zinc	ug/L	91.0	1000	996	90	70-130	

SAMPLE DUPLICATE: 236385

Parameter	Units	7038561002 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	506	515	2	
Manganese	ug/L	103	96.3	7	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

SAMPLE DUPLICATE: 236385

Parameter	Units	7038561002 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	44.0	40.9	7	

SAMPLE DUPLICATE: 236387

Parameter	Units	7038599001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	837	801	4	
Manganese	ug/L	82.2	74.2	10	
Zinc	ug/L	91.0	87.8	4	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

QC Batch: 50885 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7038599001, 7038599002, 7038599003

METHOD BLANK: 236134 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
1,1-Dichloropropene	ug/L	<1.0	1.0	12/22/17 20:58	
1,2,3-Trichlorobenzene	ug/L	1.3	1.0	12/22/17 20:58	CL
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/22/17 20:58	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/22/17 20:58	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/22/17 20:58	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/22/17 20:58	
1,3-Dichloropropane	ug/L	<1.0	1.0	12/22/17 20:58	
1,4-Diethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	12/22/17 20:58	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/22/17 20:58	
2-Chlorotoluene	ug/L	<1.0	1.0	12/22/17 20:58	
2-Hexanone	ug/L	<5.0	5.0	12/22/17 20:58	
4-Chlorotoluene	ug/L	<1.0	1.0	12/22/17 20:58	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/22/17 20:58	
Acetone	ug/L	<5.0	5.0	12/22/17 20:58	
Benzene	ug/L	<1.0	1.0	12/22/17 20:58	
Bromobenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Bromochloromethane	ug/L	<1.0	1.0	12/22/17 20:58	
Bromodichloromethane	ug/L	<1.0	1.0	12/22/17 20:58	
Bromoform	ug/L	<1.0	1.0	12/22/17 20:58	
Bromomethane	ug/L	<1.0	1.0	12/22/17 20:58	
Carbon disulfide	ug/L	<1.0	1.0	12/22/17 20:58	
Carbon tetrachloride	ug/L	<1.0	1.0	12/22/17 20:58	
Chlorobenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Chlorodifluoromethane	ug/L	<1.0	1.0	12/22/17 20:58	N3
Chloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
Chloroform	ug/L	<1.0	1.0	12/22/17 20:58	
Chloromethane	ug/L	<1.0	1.0	12/22/17 20:58	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/17 20:58	
Dibromochloromethane	ug/L	<1.0	1.0	12/22/17 20:58	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

METHOD BLANK: 236134 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	12/22/17 20:58	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/22/17 20:58	
Ethanol	ug/L	<250	250	12/22/17 20:58	
Ethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Hexachloro-1,3-butadiene	ug/L	1.5	1.0	12/22/17 20:58	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/22/17 20:58	
Methylene Chloride	ug/L	<1.0	1.0	12/22/17 20:58	
n-Butylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
n-Propylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
p-Isopropyltoluene	ug/L	<1.0	1.0	12/22/17 20:58	
sec-Butylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Styrene	ug/L	<1.0	1.0	12/22/17 20:58	
tert-Butylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Tetrachloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
Toluene	ug/L	<1.0	1.0	12/22/17 20:58	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/17 20:58	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	12/22/17 20:58	
Trichloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
Vinyl chloride	ug/L	<1.0	1.0	12/22/17 20:58	
Xylene (Total)	ug/L	<2.0	2.0	12/22/17 20:58	
1,2-Dichloroethane-d4 (S)	%	114	68-153	12/22/17 20:58	
4-Bromofluorobenzene (S)	%	102	79-124	12/22/17 20:58	
Toluene-d8 (S)	%	100	69-124	12/22/17 20:58	

LABORATORY CONTROL SAMPLE: 236135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.5	91	74-113	
1,1,1-Trichloroethane	ug/L	50	47.4	95	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	42.1	84	74-121	
1,1,2-Trichloroethane	ug/L	50	49.4	99	80-117	
1,1-Dichloroethane	ug/L	50	45.6	91	83-151	
1,1-Dichloroethene	ug/L	50	46.2	92	45-146	
1,1-Dichloropropene	ug/L	50	45.4	91	59-127	
1,2,3-Trichlorobenzene	ug/L	50	32.1	64	67-103	L2
1,2,3-Trichloropropane	ug/L	50	46.8	94	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	42.9	86	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	42.7	85	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	83-115	
1,2-Dichloroethane	ug/L	50	53.0	106	74-129	
1,2-Dichloropropane	ug/L	50	47.9	96	75-117	
1,3,5-Trimethylbenzene	ug/L	50	41.5	83	67-116	
1,3-Dichlorobenzene	ug/L	50	45.1	90	71-112	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

LABORATORY CONTROL SAMPLE: 236135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	47.5	95	74-112	
1,4-Diethylbenzene	ug/L	50	41.4	83	56-130	N3
2,2-Dichloropropane	ug/L	50	43.6	87	63-133	
2-Butanone (MEK)	ug/L	50	32.9	66	44-162	
2-Chlorotoluene	ug/L	50	42.8	86	74-101	
2-Hexanone	ug/L	50	46.5	93	32-183	
4-Chlorotoluene	ug/L	50	42.8	86	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	50.2	100	69-132	
Acetone	ug/L	50	43.1	86	23-188	
Benzene	ug/L	50	46.7	93	73-119	
Bromobenzene	ug/L	50	44.3	89	72-102	
Bromochloromethane	ug/L	50	47.2	94	81-116	
Bromodichloromethane	ug/L	50	50.1	100	78-117	
Bromoform	ug/L	50	42.9	86	65-122	
Bromomethane	ug/L	50	40.2	80	52-147	
Carbon disulfide	ug/L	50	41.1	82	41-144	
Carbon tetrachloride	ug/L	50	43.4	87	59-120	
Chlorobenzene	ug/L	50	44.8	90	75-113	
Chlorodifluoromethane	ug/L	50	35.3	71	43-140	N3
Chloroethane	ug/L	50	44.2	88	49-151	
Chloroform	ug/L	50	47.4	95	72-122	
Chloromethane	ug/L	50	35.2	70	46-144	
cis-1,2-Dichloroethene	ug/L	50	46.9	94	72-121	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	78-116	
Dibromochloromethane	ug/L	50	46.6	93	70-120	
Dibromomethane	ug/L	50	50.8	102	75-125	
Dichlorodifluoromethane	ug/L	50	33.8	68	22-154	
Ethanol	ug/L	1250	1210	97	10-151	
Ethylbenzene	ug/L	50	45.8	92	70-113	
Hexachloro-1,3-butadiene	ug/L	50	36.3	73	59-121	
Isopropylbenzene (Cumene)	ug/L	50	41.8	84	67-115	
Methylene Chloride	ug/L	50	43.4	87	61-142	
n-Butylbenzene	ug/L	50	42.6	85	73-107	
n-Propylbenzene	ug/L	50	42.2	84	68-116	
p-Isopropyltoluene	ug/L	50	40.9	82	73-101	
sec-Butylbenzene	ug/L	50	40.6	81	72-103	
Styrene	ug/L	50	47.6	95	72-118	
tert-Butylbenzene	ug/L	50	40.7	81	68-100	
Tetrachloroethene	ug/L	50	47.7	95	60-128	
Toluene	ug/L	50	47.7	95	72-119	
trans-1,2-Dichloroethene	ug/L	50	46.0	92	56-142	
trans-1,3-Dichloropropene	ug/L	50	51.1	102	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	51.8	104	71-121	
Trichloroethene	ug/L	50	47.7	95	69-117	
Vinyl chloride	ug/L	50	41.9	84	43-143	
Xylene (Total)	ug/L	150	138	92	71-109	
1,2-Dichloroethane-d4 (S)	%			111	68-153	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

LABORATORY CONTROL SAMPLE: 236135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			102	69-124	

MATRIX SPIKE SAMPLE: 236143

Parameter	Units	7038999001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	51.0	102	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	58.3	117	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	45.9	92	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	52.7	105	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	52.7	105	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	55.9	112	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	56.5	113	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	45.2	90	67-103	CL
1,2,3-Trichloropropane	ug/L	<1.0	50	49.2	98	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	54.3	109	66-103	M1,N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	51.2	102	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	55.5	111	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	57.3	115	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	54.0	108	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50.6	101	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	52.4	105	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	51.2	102	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	54.7	109	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	57.9	116	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	34.5	69	44-162	
2-Chlorotoluene	ug/L	<1.0	50	52.1	104	74-101	M1
2-Hexanone	ug/L	<5.0	50	49.0	98	32-183	
4-Chlorotoluene	ug/L	<1.0	50	51.6	103	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	52.4	105	69-132	
Acetone	ug/L	<5.0	50	43.4	87	23-188	
Benzene	ug/L	<1.0	50	54.3	109	73-119	
Bromobenzene	ug/L	<1.0	50	50.7	101	72-102	
Bromochloromethane	ug/L	<1.0	50	51.2	102	81-116	
Bromodichloromethane	ug/L	<1.0	50	56.9	114	78-117	
Bromoform	ug/L	<1.0	50	46.6	93	65-122	
Bromomethane	ug/L	<1.0	50	46.8	94	52-147	
Carbon disulfide	ug/L	<1.0	50	52.0	104	41-144	
Carbon tetrachloride	ug/L	<1.0	50	54.7	109	59-120	
Chlorobenzene	ug/L	<1.0	50	52.1	104	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	43.5	87	43-140	N3
Chloroethane	ug/L	<1.0	50	53.0	106	49-151	
Chloroform	ug/L	<1.0	50	54.1	108	72-122	
Chloromethane	ug/L	<1.0	50	41.1	82	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	54.1	108	72-121	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

MATRIX SPIKE SAMPLE: 236143

Parameter	Units	7038999001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	55.4	111	78-116	
Dibromochloromethane	ug/L	<1.0	50	51.2	102	70-120	
Dibromomethane	ug/L	<1.0	50	54.1	108	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	41.5	83	22-154	
Ethanol	ug/L	<250	1250	1300	104	10-151	
Ethylbenzene	ug/L	<1.0	50	54.3	109	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	82.0	164	59-121	M1
Isopropylbenzene (Cumene)	ug/L	<1.0	50	51.1	102	67-115	
Methylene Chloride	ug/L	<1.0	50	47.6	95	61-142	
n-Butylbenzene	ug/L	<1.0	50	60.4	121	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	52.4	105	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	53.2	106	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	53.6	107	72-103	M1
Styrene	ug/L	<1.0	50	55.0	110	72-118	
tert-Butylbenzene	ug/L	<1.0	50	51.1	102	68-100	M1
Tetrachloroethene	ug/L	<1.0	50	57.1	114	60-128	
Toluene	ug/L	<1.0	50	56.6	113	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	55.9	112	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	57.0	114	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	58.4	117	71-121	
Trichloroethene	ug/L	<1.0	50	57.8	116	69-117	
Vinyl chloride	ug/L	<1.0	50	52.4	105	43-143	
Xylene (Total)	ug/L	<2.0	150	163	109	71-109	
1,2-Dichloroethane-d4 (S)	%				109	68-153	
4-Bromofluorobenzene (S)	%				104	79-124	
Toluene-d8 (S)	%				100	69-124	

SAMPLE DUPLICATE: 236144

Parameter	Units	7038999002 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		CL
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

SAMPLE DUPLICATE: 236144

Parameter	Units	7038999002 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<2.0	<2.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

SAMPLE DUPLICATE: 236144

Parameter	Units	7038999002 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	113	116	3	
4-Bromofluorobenzene (S)	%	101	101	0	
Toluene-d8 (S)	%	100	100	0	

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REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

QC Batch: 50798 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7038599001, 7038599002, 7038599003

METHOD BLANK: 235735 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	12/22/17 14:20	

LABORATORY CONTROL SAMPLE: 235736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	456	91	85-115	

MATRIX SPIKE SAMPLE: 235738

Parameter	Units	7038524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	118	600	688	95	75-125	

MATRIX SPIKE SAMPLE: 235740

Parameter	Units	7038709002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	170	300	460	97	75-125	

SAMPLE DUPLICATE: 235737

Parameter	Units	7038524001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	118	134	13	

SAMPLE DUPLICATE: 235739

Parameter	Units	7038709002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	170	166	2	

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: MONTHLY
Pace Project No.: 7038599

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY
Pace Project No.: 7038599

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7038599001	**INFLUENT #1**	EPA 200.7	50959	EPA 200.7	50970
7038599002	**INFLUENT #2**	EPA 200.7	50959	EPA 200.7	50970
7038599003	**EFFLUENT#1**	EPA 200.7	50959	EPA 200.7	50970
7038599001	**INFLUENT #1**	EPA 200.7	51156		
7038599002	**INFLUENT #2**	EPA 200.7	51156		
7038599003	**EFFLUENT#1**	EPA 200.7	51156		
7038599001	**INFLUENT #1**	EPA 8260C/5030C	50885		
7038599002	**INFLUENT #2**	EPA 8260C/5030C	50885		
7038599003	**EFFLUENT#1**	EPA 8260C/5030C	50885		
7038599001	**INFLUENT #1**	SM22 2540C	50798		
7038599002	**INFLUENT #2**	SM22 2540C	50798		
7038599003	**EFFLUENT#1**	SM22 2540C	50798		

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Pace Analytical

CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field

WO# : 7038599

7038599

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Fairchild Corporation	Report To:	Paul Lanzillotta	Attention:	
Address:	136 Gazza Blvd.	Copy To:		Company Name:	
Farmingdale, NY 117351420				Address:	
Email:	paul@wiretowater.com	Purchase Order #:		Pace Quote:	
Phone:	NONE Fax:	Project Name:	MONTHLY	Pace Project Manager:	john.stanton@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	

Regulatory Agency
State / Location
NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	200.7 ICP Metals	Dissolved Metals by 200.7	Total Dissolved Solids (TDS	VOC by 8260	Residual Chlorine (Y/N)
							GRAB												Requested Analysis Filtered (Y/N)					
1	INFLUENT#1		WT	G			12/19/17	4:30 PM		5	2		1	2						X	X	X	X	
2	INFLUENT#2		WT	G			12/19/17	4:15 PM		5	2		1	2						X	X	X	X	
3	EFFLUENT#1		WT	G			12/19/17	4:00 PM		5	2		1	2						X	X	X	X	
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Paul Lanzillotta	12/19/17	15:25	Jaclyn Lesniak	12/19/17	15:25	2.9°C

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	PAUL LANZILLOTTA				
SIGNATURE of SAMPLER:	Paul Lanzillotta	DATE Signed:	12/19/17		

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

REF: CONTAINER ORDER # 301382

Sample Condition Upon Receipt

Pace Analytical

WO#:7038599
PM: JDS Due Date: 12/29/17
CLIENT: FAIR

Client Name: FAIR

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH092 Correction Factor: +0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.9 Cooler Temperature Corrected (°C): 2.9 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents: JK 12/19/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☐Yes	☐No		2.
Chain of Custody Relinquished:	☐Yes	☐No		3.
Sampler Name & Signature on COC:	☐Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☐Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☐No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☐Yes	☐No		8.
Correct Containers Used:	☐Yes	☐No		9.
-Pace Containers Used:	☐Yes	☐No		
Containers Intact:	☐Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☐N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☐Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC601354				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☐N/A	14.
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution: Time of collection is past time received for all samples

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 29, 2017

Daniel St. Germaine
HDR
1 International Blvd.
Mahwah, NJ 07495

RE: Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Dear Daniel Germaine:
Enclosed are the analytical results for sample(s) received by the laboratory on December 20, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: James, Wire to Water Electrical Contractors
Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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575 Broad Hollow Road
Melville, NY 11747
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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Sample: MW-50-20171220 **Lab ID: 7038718001** Collected: 12/20/17 09:20 Received: 12/20/17 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	74-87-3	
Vinyl chloride	**16.9**	ug/L	1.0	1		12/22/17 12:20	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/22/17 12:20	75-09-2	
1,1-Dichloroethene	**29.6**	ug/L	1.0	1		12/22/17 12:20	75-35-4	
trans-1,2-Dichloroethene	**2.2**	ug/L	1.0	1		12/22/17 12:20	156-60-5	
1,1-Dichloroethane	**27.7**	ug/L	1.0	1		12/22/17 12:20	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	594-20-7	
cis-1,2-Dichloroethene	**357**	ug/L	10.0	10		12/22/17 13:14	156-59-2	
Chloroform	**4.7**	ug/L	1.0	1		12/22/17 12:20	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	74-97-5	
1,1,1-Trichloroethane	**9.1**	ug/L	1.0	1		12/22/17 12:20	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/22/17 12:20	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	563-58-6	
Benzene	**6.1**	ug/L	1.0	1		12/22/17 12:20	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	107-06-2	
Trichloroethene	**1020**	ug/L	10.0	10		12/22/17 13:14	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	79-00-5	
Tetrachloroethene	**73.8**	ug/L	1.0	1		12/22/17 12:20	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/22/17 12:20	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/22/17 12:20	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/22/17 12:20	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/22/17 12:20	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	98-06-6	

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Sample: MW-50-20171220 **Lab ID: 7038718001** Collected: 12/20/17 09:20 Received: 12/20/17 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	87-61-6	CL
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/22/17 12:20	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/22/17 12:20	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/22/17 12:20	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/22/17 12:20	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/22/17 12:20	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/22/17 12:20	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:20	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:20	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/22/17 12:20	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124	1		12/22/17 12:20	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/22/17 12:20	2037-26-5	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Sample: MW-37I-20171220 **Lab ID: 7038718002** Collected: 12/20/17 12:10 Received: 12/20/17 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	74-87-3	
Vinyl chloride	**5.4**	ug/L	1.0	1		12/22/17 12:38	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/22/17 12:38	75-09-2	
1,1-Dichloroethene	**14.7**	ug/L	1.0	1		12/22/17 12:38	75-35-4	
trans-1,2-Dichloroethene	**1.2**	ug/L	1.0	1		12/22/17 12:38	156-60-5	
1,1-Dichloroethane	**20.7**	ug/L	1.0	1		12/22/17 12:38	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	594-20-7	
cis-1,2-Dichloroethene	**190**	ug/L	1.0	1		12/22/17 12:38	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/22/17 12:38	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	74-97-5	
1,1,1-Trichloroethane	**6.5**	ug/L	1.0	1		12/22/17 12:38	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/22/17 12:38	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	107-06-2	
Trichloroethene	**144**	ug/L	1.0	1		12/22/17 12:38	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	79-00-5	
Tetrachloroethene	**89.9**	ug/L	1.0	1		12/22/17 12:38	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/22/17 12:38	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/22/17 12:38	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/22/17 12:38	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/22/17 12:38	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	98-06-6	

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Sample: MW-37I-20171220 **Lab ID: 7038718002** Collected: 12/20/17 12:10 Received: 12/20/17 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	87-61-6	CL
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/22/17 12:38	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/22/17 12:38	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/22/17 12:38	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/22/17 12:38	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/22/17 12:38	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/22/17 12:38	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/17 12:38	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 12:38	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/22/17 12:38	17060-07-0	
4-Bromofluorobenzene (S)	104	%	79-124	1		12/22/17 12:38	460-00-4	
Toluene-d8 (S)	103	%	69-124	1		12/22/17 12:38	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Sample: MW-46I-20171220 **Lab ID: 7038718003** Collected: 12/20/17 13:55 Received: 12/20/17 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	156-60-5	
1,1-Dichloroethane	**1.1**	ug/L	1.0	1		12/22/17 13:32	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	594-20-7	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	1		12/22/17 13:32	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/22/17 13:32	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/22/17 13:32	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	107-06-2	
Trichloroethene	**24.0**	ug/L	1.0	1		12/22/17 13:32	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	79-00-5	
Tetrachloroethene	**3.3**	ug/L	1.0	1		12/22/17 13:32	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/22/17 13:32	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/22/17 13:32	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/22/17 13:32	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	98-06-6	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Sample: MW-46I-20171220 **Lab ID: 7038718003** Collected: 12/20/17 13:55 Received: 12/20/17 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	87-61-6	CL
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/22/17 13:32	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/22/17 13:32	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/22/17 13:32	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/22/17 13:32	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/22/17 13:32	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/17 13:32	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 13:32	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/22/17 13:32	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		12/22/17 13:32	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/22/17 13:32	2037-26-5	

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ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Sample: TB-03-20171220 **Lab ID: 7038718004** Collected: 12/18/17 00:00 Received: 12/20/17 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	594-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/22/17 10:50	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/22/17 10:50	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	107-06-2	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/22/17 10:50	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/22/17 10:50	1330-20-7	
Styrene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/22/17 10:50	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	98-06-6	

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Sample: TB-03-20171220 **Lab ID: 7038718004** Collected: 12/18/17 00:00 Received: 12/20/17 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	87-61-6	CL
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/22/17 10:50	78-93-3	CL
2-Hexanone	**<5.0**	ug/L	5.0	1		12/22/17 10:50	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/22/17 10:50	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/22/17 10:50	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/22/17 10:50	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/17 10:50	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/22/17 10:50	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%	68-153	1		12/22/17 10:50	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/22/17 10:50	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/22/17 10:50	2037-26-5	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

QC Batch: 50774 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7038718001, 7038718002, 7038718003, 7038718004

METHOD BLANK: 235656 Matrix: Water
Associated Lab Samples: 7038718001, 7038718002, 7038718003, 7038718004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/22/17 09:20	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/22/17 09:20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/22/17 09:20	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/22/17 09:20	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/22/17 09:20	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/22/17 09:20	
1,1-Dichloropropene	ug/L	<1.0	1.0	12/22/17 09:20	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	12/22/17 09:20	CL
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/22/17 09:20	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/22/17 09:20	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/22/17 09:20	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/22/17 09:20	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/22/17 09:20	
1,3-Dichloropropane	ug/L	<1.0	1.0	12/22/17 09:20	
1,4-Diethylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	12/22/17 09:20	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/22/17 09:20	CL
2-Chlorotoluene	ug/L	<1.0	1.0	12/22/17 09:20	
2-Hexanone	ug/L	<5.0	5.0	12/22/17 09:20	
4-Chlorotoluene	ug/L	<1.0	1.0	12/22/17 09:20	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/22/17 09:20	
Acetone	ug/L	<5.0	5.0	12/22/17 09:20	
Benzene	ug/L	<1.0	1.0	12/22/17 09:20	
Bromobenzene	ug/L	<1.0	1.0	12/22/17 09:20	
Bromochloromethane	ug/L	<1.0	1.0	12/22/17 09:20	
Bromodichloromethane	ug/L	<1.0	1.0	12/22/17 09:20	
Bromoform	ug/L	<1.0	1.0	12/22/17 09:20	
Bromomethane	ug/L	<1.0	1.0	12/22/17 09:20	
Carbon disulfide	ug/L	<1.0	1.0	12/22/17 09:20	
Carbon tetrachloride	ug/L	<1.0	1.0	12/22/17 09:20	
Chlorobenzene	ug/L	<1.0	1.0	12/22/17 09:20	
Chlorodifluoromethane	ug/L	<1.0	1.0	12/22/17 09:20	N3
Chloroethane	ug/L	<1.0	1.0	12/22/17 09:20	
Chloroform	ug/L	<1.0	1.0	12/22/17 09:20	
Chloromethane	ug/L	<1.0	1.0	12/22/17 09:20	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/17 09:20	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/17 09:20	
Dibromochloromethane	ug/L	<1.0	1.0	12/22/17 09:20	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

METHOD BLANK: 235656 Matrix: Water
Associated Lab Samples: 7038718001, 7038718002, 7038718003, 7038718004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	12/22/17 09:20	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/22/17 09:20	
Ethanol	ug/L	<250	250	12/22/17 09:20	
Ethylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	12/22/17 09:20	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/22/17 09:20	
Methylene Chloride	ug/L	<1.0	1.0	12/22/17 09:20	
n-Butylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	
n-Propylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	
p-Isopropyltoluene	ug/L	<1.0	1.0	12/22/17 09:20	
sec-Butylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	
Styrene	ug/L	<1.0	1.0	12/22/17 09:20	
tert-Butylbenzene	ug/L	<1.0	1.0	12/22/17 09:20	
Tetrachloroethene	ug/L	<1.0	1.0	12/22/17 09:20	
Toluene	ug/L	<1.0	1.0	12/22/17 09:20	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/17 09:20	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/17 09:20	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	12/22/17 09:20	
Trichloroethene	ug/L	<1.0	1.0	12/22/17 09:20	
Vinyl chloride	ug/L	<1.0	1.0	12/22/17 09:20	
Xylene (Total)	ug/L	<2.0	2.0	12/22/17 09:20	
1,2-Dichloroethane-d4 (S)	%	112	68-153	12/22/17 09:20	
4-Bromofluorobenzene (S)	%	101	79-124	12/22/17 09:20	
Toluene-d8 (S)	%	101	69-124	12/22/17 09:20	

LABORATORY CONTROL SAMPLE: 235657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.1	96	74-113	
1,1,1-Trichloroethane	ug/L	50	53.9	108	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	45.4	91	74-121	
1,1,2-Trichloroethane	ug/L	50	51.4	103	80-117	
1,1-Dichloroethane	ug/L	50	50.2	100	83-151	
1,1-Dichloroethene	ug/L	50	53.2	106	45-146	
1,1-Dichloropropene	ug/L	50	52.8	106	59-127	
1,2,3-Trichlorobenzene	ug/L	50	35.5	71	67-103	CL
1,2,3-Trichloropropane	ug/L	50	50.0	100	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	49.0	98	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	49.1	98	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	54.6	109	83-115	
1,2-Dichloroethane	ug/L	50	55.1	110	74-129	
1,2-Dichloropropane	ug/L	50	52.4	105	75-117	
1,3,5-Trimethylbenzene	ug/L	50	47.8	96	67-116	
1,3-Dichlorobenzene	ug/L	50	50.8	102	71-112	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

LABORATORY CONTROL SAMPLE: 235657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	50.4	101	74-112	
1,4-Diethylbenzene	ug/L	50	47.0	94	56-130	N3
2,2-Dichloropropane	ug/L	50	49.2	98	63-133	
2-Butanone (MEK)	ug/L	50	32.7	65	44-162	CL
2-Chlorotoluene	ug/L	50	50.1	100	74-101	
2-Hexanone	ug/L	50	46.9	94	32-183	
4-Chlorotoluene	ug/L	50	50.1	100	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	50.7	101	69-132	
Acetone	ug/L	50	43.4	87	23-188	
Benzene	ug/L	50	52.1	104	73-119	
Bromobenzene	ug/L	50	50.2	100	72-102	
Bromochloromethane	ug/L	50	50.4	101	81-116	
Bromodichloromethane	ug/L	50	53.8	108	78-117	
Bromoform	ug/L	50	44.2	88	65-122	
Bromomethane	ug/L	50	44.7	89	52-147	
Carbon disulfide	ug/L	50	48.6	97	41-144	
Carbon tetrachloride	ug/L	50	50.2	100	59-120	
Chlorobenzene	ug/L	50	49.5	99	75-113	
Chlorodifluoromethane	ug/L	50	42.1	84	43-140	N3
Chloroethane	ug/L	50	51.0	102	49-151	
Chloroform	ug/L	50	51.3	103	72-122	
Chloromethane	ug/L	50	42.4	85	46-144	
cis-1,2-Dichloroethene	ug/L	50	51.1	102	72-121	
cis-1,3-Dichloropropene	ug/L	50	52.4	105	78-116	
Dibromochloromethane	ug/L	50	49.5	99	70-120	
Dibromomethane	ug/L	50	53.1	106	75-125	
Dichlorodifluoromethane	ug/L	50	43.3	87	22-154	
Ethanol	ug/L	1250	1160	93	10-151	
Ethylbenzene	ug/L	50	51.2	102	70-113	
Hexachloro-1,3-butadiene	ug/L	50	40.9	82	59-121	
Isopropylbenzene (Cumene)	ug/L	50	48.9	98	67-115	
Methylene Chloride	ug/L	50	46.9	94	61-142	
n-Butylbenzene	ug/L	50	48.9	98	73-107	
n-Propylbenzene	ug/L	50	49.1	98	68-116	
p-Isopropyltoluene	ug/L	50	47.5	95	73-101	
sec-Butylbenzene	ug/L	50	47.6	95	72-103	
Styrene	ug/L	50	52.6	105	72-118	
tert-Butylbenzene	ug/L	50	47.2	94	68-100	
Tetrachloroethene	ug/L	50	52.7	105	60-128	
Toluene	ug/L	50	53.3	107	72-119	
trans-1,2-Dichloroethene	ug/L	50	51.1	102	56-142	
trans-1,3-Dichloropropene	ug/L	50	54.5	109	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	56.0	112	71-121	
Trichloroethene	ug/L	50	53.9	108	69-117	
Vinyl chloride	ug/L	50	49.8	100	43-143	
Xylene (Total)	ug/L	150	154	103	71-109	
1,2-Dichloroethane-d4 (S)	%			109	68-153	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

LABORATORY CONTROL SAMPLE: 235657

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			103	79-124	
Toluene-d8 (S)	%			100	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 235907 235908

Parameter	Units	7038388001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50	47.3	48.7	95	97	74-113	3	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	57.1	58.7	114	117	65-118	3	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	43.6	46.9	87	94	74-121	7	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	49.2	52.2	98	104	80-117	6	
1,1-Dichloroethane	ug/L	<1.0	50	50	52.0	53.5	104	107	83-151	3	
1,1-Dichloroethene	ug/L	<1.0	50	50	57.0	58.4	114	117	45-146	2	
1,1-Dichloropropene	ug/L	<1.0	50	50	56.3	57.5	113	115	59-127	2	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	34.7	42.6	69	85	67-103	20	CL
1,2,3-Trichloropropane	ug/L	<1.0	50	50	48.6	51.7	97	103	71-123	6	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	50	58.7	63.3	117	127	66-103	8	M1,N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	149	158	298	317	68-116	6	M1
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	52.4	55.5	105	111	83-115	6	
1,2-Dichloroethane	ug/L	<1.0	50	50	55.2	57.8	110	116	74-129	5	
1,2-Dichloropropane	ug/L	<1.0	50	50	52.1	53.5	104	107	75-117	3	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	60.3	63.4	121	127	67-116	5	M1
1,3-Dichlorobenzene	ug/L	<1.0	50	50	50.7	53.2	101	106	71-112	5	
1,3-Dichloropropane	ug/L	<1.0	50	50	48.4	49.1	97	98	74-112	2	
1,4-Diethylbenzene	ug/L	<1.0	50	50	72.4	74.7	145	149	56-130	3	M1,N3
2,2-Dichloropropane	ug/L	<1.0	50	50	52.8	54.8	106	110	63-133	4	
2-Butanone (MEK)	ug/L	<5.0	50	50	32.4	34.3	65	69	44-162	6	CL
2-Chlorotoluene	ug/L	<1.0	50	50	54.8	57.9	110	116	74-101	6	M1
2-Hexanone	ug/L	<5.0	50	50	45.4	48.1	91	96	32-183	6	
4-Chlorotoluene	ug/L	<1.0	50	50	49.7	52.6	99	105	74-101	6	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	49.8	53.9	100	108	69-132	8	
Acetone	ug/L	<5.0	50	50	43.6	44.9	87	90	23-188	3	
Benzene	ug/L	<1.0	50	50	53.6	55.0	107	110	73-119	3	
Bromobenzene	ug/L	<1.0	50	50	48.4	51.3	97	103	72-102	6	M1
Bromochloromethane	ug/L	<1.0	50	50	49.4	50.9	99	102	81-116	3	
Bromodichloromethane	ug/L	<1.0	50	50	54.8	57.7	110	115	78-117	5	
Bromoform	ug/L	<1.0	50	50	41.3	44.0	83	88	65-122	6	
Bromomethane	ug/L	<1.0	50	50	44.9	47.4	90	95	52-147	5	
Carbon disulfide	ug/L	<1.0	50	50	52.1	53.2	104	106	41-144	2	
Carbon tetrachloride	ug/L	<1.0	50	50	52.4	55.2	105	110	59-120	5	
Chlorobenzene	ug/L	<1.0	50	50	49.7	50.0	99	100	75-113	1	
Chlorodifluoromethane	ug/L	<1.0	50	50	46.9	47.3	94	95	43-140	1	N3
Chloroethane	ug/L	<1.0	50	50	54.3	55.2	109	110	49-151	2	
Chloroform	ug/L	<1.0	50	50	53.0	54.1	106	108	72-122	2	
Chloromethane	ug/L	<1.0	50	50	45.0	44.1	90	88	46-144	2	

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QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 235907 235908

Parameter	Units	7038388001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	53.5	54.5	107	109	72-121	2	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	51.5	53.3	103	107	78-116	3	
Dibromochloromethane	ug/L	<1.0	50	50	46.3	48.7	93	97	70-120	5	
Dibromomethane	ug/L	<1.0	50	50	51.6	53.5	103	107	75-125	4	
Dichlorodifluoromethane	ug/L	<1.0	50	50	45.5	45.8	91	92	22-154	1	
Ethanol	ug/L	<250	1250	1250	1260	1350	101	108	10-151	7	
Ethylbenzene	ug/L	<1.0	50	50	51.8	52.5	104	105	70-113	1	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	39.5	46.2	79	92	59-121	16	
Isopropylbenzene (Cumene)	ug/L	4.7	50	50	53.4	56.8	97	104	67-115	6	
Methylene Chloride	ug/L	<1.0	50	50	47.1	48.9	94	98	61-142	4	
n-Butylbenzene	ug/L	<1.0	50	50	56.6	59.7	113	119	73-107	5	M1
n-Propylbenzene	ug/L	<1.0	50	50	63.5	67.6	127	135	68-116	6	M1
p-Isopropyltoluene	ug/L	<1.0	50	50	48.6	51.2	97	102	73-101	5	M1
sec-Butylbenzene	ug/L	<1.0	50	50	53.2	56.0	106	112	72-103	5	M1
Styrene	ug/L	<1.0	50	50	51.9	52.8	104	106	72-118	2	
tert-Butylbenzene	ug/L	<1.0	50	50	47.5	50.5	95	101	68-100	6	M1
Tetrachloroethene	ug/L	<1.0	50	50	54.0	54.2	108	108	60-128	0	
Toluene	ug/L	<1.0	50	50	55.0	56.6	110	113	72-119	3	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	55.1	55.1	110	110	56-142	0	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	52.4	56.5	105	113	79-116	8	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	52.3	60.6	105	121	71-121	15	
Trichloroethene	ug/L	<1.0	50	50	56.8	57.8	114	116	69-117	2	
Vinyl chloride	ug/L	<1.0	50	50	54.7	54.9	109	110	43-143	1	
Xylene (Total)	ug/L	<2.0	150	150	155	158	103	105	71-109	2	
1,2-Dichloroethane-d4 (S)	%						118	118	68-153		
4-Bromofluorobenzene (S)	%						103	102	79-124		
Toluene-d8 (S)	%						99	97	69-124		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRCHILD ANNUAL 12/20
Pace Project No.: 7038718

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7038718001	**MW-50-20171220**	EPA 8260C/5030C	50774		
7038718002	**MW-37I-20171220**	EPA 8260C/5030C	50774		
7038718003	**MW-46I-20171220**	EPA 8260C/5030C	50774		
7038718004	**TB-03-20171220**	EPA 8260C/5030C	50774		

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fi

WO#: 7038718



Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: HDR	Report To: HDR	Attention: Dan St. Ge...
Address: One International Blvd Mahwah, NJ 07495	Copy To:	Company Name: HDR
		Address: One International Blvd Mahwah, NJ 07495
Email To: Daniel.StGermain@HDRInc.com	Purchase Order No.:	Pace Quote Reference:
Phone: (201)335-9338 Fax:	Project Name: Fairchild Annual	Pace Project Manager:
Requested Due Date/TAT: Standard	Project Number: 10252227-003	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Section D Required Client Information

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: 4and - Volatiles, 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-50-20171220	GW	G	9/20/17	0920			2					2				Y	2		001
2	MW-37I-20171220	GW	G	9/20/17	1210			2					2					2		002
3	MW-46I-20171220	GW	G	9/20/17	1355			2					2					2		003
4	TB-03-20171220	W		9/20/17				2					2					2		004
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		12/20/17	1510		12/20/17	1510	2.6°C

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MTP/KRM

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 12/20/17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical

WO#:7038718

PM: JDS Due Date: 01/02/18
CLIENT: FAIR

Client Name: Pr

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH092 Correction Factor: +0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.6 Cooler Temperature Corrected (°C): 2.6 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) Date and Initials of person examining contents: SB 12/20/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix SL WT OIL	☐Yes	☑No		12. COC say collection ~~is~~ was at 9/20/17. Bottles say 12/20/17. Time taken from bottles
All containers needing preservation have been checked. pH paper Lot #	☐Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination: Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

APPENDIX C

Pump & Treat System
Influent and Effluent
Sample Results

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

January 16, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Dear James:
Enclosed are the analytical results for sample(s) received by the laboratory on December 27, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
Project Manager

Enclosures

cc: Elaine, Fairchild Corporation
Paul, Wire to Water Electrical Contractors
Stuart Skopicki, Wire to Water Electrical Contractors

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Sample: INFLUENT #1 **Lab ID: 707760001** Collected: 12/22/16 13:00 Received: 12/27/16 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	01/13/17 12:30	01/16/17 13:22	7440-41-7	
Iron	**792**	ug/L	100	1	01/13/17 12:30	01/16/17 13:22	7439-89-6	
Manganese	**90.4**	ug/L	10.0	1	01/13/17 12:30	01/16/17 13:22	7439-96-5	
Zinc	**48.4**	ug/L	20.0	1	01/13/17 12:30	01/16/17 13:22	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		01/11/17 21:06	7440-41-7	
Iron, Dissolved	**658**	ug/L	100	1		01/11/17 21:06	7439-89-6	
Manganese, Dissolved	**74.9**	ug/L	10.0	1		01/11/17 21:06	7439-96-5	
Zinc, Dissolved	**58.2**	ug/L	20.0	1		01/11/17 21:06	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<50.0**	ug/L	50.0	10		12/29/16 19:13	67-64-1	
Benzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	71-43-2	
Bromobenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	108-86-1	
Bromochloromethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	74-97-5	
Bromodichloromethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	75-27-4	
Bromoform	**<10.0**	ug/L	10.0	10		12/29/16 19:13	75-25-2	
Bromomethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	74-83-9	
2-Butanone (MEK)	**<10.0**	ug/L	10.0	10		12/29/16 19:13	78-93-3	
n-Butylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	104-51-8	L3
sec-Butylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	135-98-8	L3
tert-Butylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	98-06-6	L3
Carbon disulfide	**<10.0**	ug/L	10.0	10		12/29/16 19:13	75-15-0	
Carbon tetrachloride	**<10.0**	ug/L	10.0	10		12/29/16 19:13	56-23-5	
Chlorobenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	108-90-7	
Chlorodifluoromethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	75-45-6	N3
Chloroethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	75-00-3	
Chloroform	**<10.0**	ug/L	10.0	10		12/29/16 19:13	67-66-3	
Chloromethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	74-87-3	
2-Chlorotoluene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	95-49-8	L3
4-Chlorotoluene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	106-43-4	L3
Dibromochloromethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	124-48-1	
1,2-Dibromoethane (EDB)	**<10.0**	ug/L	10.0	10		12/29/16 19:13	106-93-4	L3
Dibromomethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	74-95-3	
1,3-Dichlorobenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	541-73-1	
trans-1,4-Dichloro-2-butene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	110-57-6	
Dichlorodifluoromethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	75-71-8	
1,1-Dichloroethane	**21.0**	ug/L	10.0	10		12/29/16 19:13	75-34-3	
1,2-Dichloroethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	107-06-2	
1,1-Dichloroethene	**11.8**	ug/L	10.0	10		12/29/16 19:13	75-35-4	
cis-1,2-Dichloroethene	**252**	ug/L	10.0	10		12/29/16 19:13	156-59-2	
trans-1,2-Dichloroethene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	156-60-5	
1,2-Dichloropropane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	78-87-5	
1,3-Dichloropropane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	142-28-9	
2,2-Dichloropropane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	594-20-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Sample: INFLUENT #1 **Lab ID: 707760001** Collected: 12/22/16 13:00 Received: 12/27/16 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	563-58-6	
cis-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	10061-01-5	
trans-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	10061-02-6	L3
1,4-Diethylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	105-05-5	N3
Ethanol	**<2500**	ug/L	2500	10		12/29/16 19:13	64-17-5	L3
Ethylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	100-41-4	
Hexachloro-1,3-butadiene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	87-68-3	
2-Hexanone	**<10.0**	ug/L	10.0	10		12/29/16 19:13	591-78-6	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	10.0	10		12/29/16 19:13	98-82-8	
p-Isopropyltoluene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	99-87-6	L3
Methylene Chloride	**<10.0**	ug/L	10.0	10		12/29/16 19:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<10.0**	ug/L	10.0	10		12/29/16 19:13	108-10-1	
n-Propylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	103-65-1	
Styrene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	79-34-5	
Tetrachloroethene	**763**	ug/L	10.0	10		12/29/16 19:13	127-18-4	
1,2,4,5-tetramethylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	95-93-2	L3,N3
Toluene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	108-88-3	
1,2,3-Trichlorobenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	87-61-6	
1,1,1-Trichloroethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	71-55-6	
1,1,2-Trichloroethane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	79-00-5	L3
Trichloroethene	**134**	ug/L	10.0	10		12/29/16 19:13	79-01-6	
1,2,3-Trichloropropane	**<10.0**	ug/L	10.0	10		12/29/16 19:13	96-18-4	
1,2,4-Trimethylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	95-63-6	
1,3,5-Trimethylbenzene	**<10.0**	ug/L	10.0	10		12/29/16 19:13	108-67-8	
Vinyl chloride	**30.1**	ug/L	10.0	10		12/29/16 19:13	75-01-4	
Xylene (Total)	**<10.0**	ug/L	10.0	10		12/29/16 19:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%.	68-153	10		12/29/16 19:13	17060-07-0	
4-Bromofluorobenzene (S)	102	%.	79-124	10		12/29/16 19:13	460-00-4	
Toluene-d8 (S)	104	%.	69-124	10		12/29/16 19:13	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**93.0**	mg/L	10.0	1		12/29/16 16:23		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**4.6**	Std. Units	0.10	1		12/28/16 04:06		H3,H6

12/27/2016 Influent Data
Total CVOC- 1182 ppb

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Sample: INFLUENT #2 **Lab ID: 707760002** Collected: 12/22/16 13:15 Received: 12/27/16 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	01/13/17 12:30	01/16/17 13:47	7440-41-7	
Iron	**704**	ug/L	100	1	01/13/17 12:30	01/16/17 13:47	7439-89-6	
Manganese	**71.2**	ug/L	10.0	1	01/13/17 12:30	01/16/17 13:47	7439-96-5	
Zinc	**21.5**	ug/L	20.0	1	01/13/17 12:30	01/16/17 13:47	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		01/11/17 21:11	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		01/11/17 21:11	7439-89-6	
Manganese, Dissolved	**71.6**	ug/L	10.0	1		01/11/17 21:11	7439-96-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		01/11/17 21:11	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		01/03/17 18:43	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	74-83-9	
2-Butanone (MEK)	**<1.0**	ug/L	1.0	1		01/03/17 18:43	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	104-51-8	L2
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	135-98-8	L2
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/03/17 18:43	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/03/17 18:43	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/03/17 18:43	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	1		01/03/17 18:43	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	594-20-7	

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(631)694-3040

ANALYTICAL RESULTS

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Sample: INFLUENT #2 **Lab ID: 707760002** Collected: 12/22/16 13:15 Received: 12/27/16 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		01/03/17 18:43	64-17-5	L3
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	87-68-3	L2
2-Hexanone	**<1.0**	ug/L	1.0	1		01/03/17 18:43	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		01/03/17 18:43	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<1.0**	ug/L	1.0	1		01/03/17 18:43	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		01/03/17 18:43	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		01/03/17 18:43	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/03/17 18:43	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		01/03/17 18:43	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	68-153	1		01/03/17 18:43	17060-07-0	
4-Bromofluorobenzene (S)	99	%.	79-124	1		01/03/17 18:43	460-00-4	
Toluene-d8 (S)	104	%.	69-124	1		01/03/17 18:43	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**110**	mg/L	10.0	1		12/29/16 16:24		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.4**	Std. Units	0.10	1		12/28/16 04:06		H3,H6

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ANALYTICAL RESULTS

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Sample: EFFLUENT #1 **Lab ID: 707760003** Collected: 12/27/16 13:30 Received: 12/27/16 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	01/13/17 12:30	01/16/17 13:52	7440-41-7	
Iron	**837**	ug/L	100	1	01/13/17 12:30	01/16/17 13:52	7439-89-6	
Manganese	**74.0**	ug/L	10.0	1	01/13/17 12:30	01/16/17 13:52	7439-96-5	
Zinc	**41.5**	ug/L	20.0	1	01/13/17 12:30	01/16/17 13:52	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		01/11/17 21:16	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		01/11/17 21:16	7439-89-6	
Manganese, Dissolved	**70.6**	ug/L	10.0	1		01/11/17 21:16	7439-96-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		01/11/17 21:16	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		12/29/16 18:51	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	74-83-9	
2-Butanone (MEK)	**<1.0**	ug/L	1.0	1		12/29/16 18:51	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	104-51-8	L3
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	135-98-8	L3
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	98-06-6	L3
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/29/16 18:51	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/29/16 18:51	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	95-49-8	L3
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	106-43-4	L3
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/29/16 18:51	106-93-4	L3
Dibromomethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	594-20-7	

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ANALYTICAL RESULTS

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Sample: EFFLUENT #1 **Lab ID: 707760003** Collected: 12/27/16 13:30 Received: 12/27/16 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	10061-02-6	L3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		12/29/16 18:51	64-17-5	L3
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	87-68-3	
2-Hexanone	**<1.0**	ug/L	1.0	1		12/29/16 18:51	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/29/16 18:51	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	99-87-6	L3
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<1.0**	ug/L	1.0	1		12/29/16 18:51	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	95-93-2	L3,N3
Toluene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	79-00-5	L3
Trichloroethene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/29/16 18:51	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/29/16 18:51	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/29/16 18:51	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		12/29/16 18:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	68-153	1		12/29/16 18:51	17060-07-0	
4-Bromofluorobenzene (S)	80	%.	79-124	1		12/29/16 18:51	460-00-4	
Toluene-d8 (S)	96	%.	69-124	1		12/29/16 18:51	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**101**	mg/L	10.0	1		12/30/16 14:17		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.5**	Std. Units	0.10	1		12/28/16 04:06		H6

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

QC Batch: 9521 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 707760001, 707760002, 707760003

METHOD BLANK: 50594 Matrix: Water
Associated Lab Samples: 707760001, 707760002, 707760003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	01/11/17 20:41	
Iron, Dissolved	ug/L	<100	100	01/11/17 20:41	
Manganese, Dissolved	ug/L	<10.0	10.0	01/11/17 20:41	
Zinc, Dissolved	ug/L	<20.0	20.0	01/11/17 20:41	

LABORATORY CONTROL SAMPLE: 50595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	52.8	106	85-115	
Iron, Dissolved	ug/L	2000	2090	105	85-115	
Manganese, Dissolved	ug/L	250	257	103	85-115	
Zinc, Dissolved	ug/L	1000	1040	104	85-115	

MATRIX SPIKE SAMPLE: 50597

Parameter	Units	707397001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	55.2	110	70-130	
Iron, Dissolved	ug/L	<100	2000	2170	108	70-130	
Manganese, Dissolved	ug/L	270	250	518	100	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	1030	103	70-130	

SAMPLE DUPLICATE: 50596

Parameter	Units	707397001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	<100	<100		
Manganese, Dissolved	ug/L	270	265	2	
Zinc, Dissolved	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

QC Batch: 10329 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 707760001, 707760002, 707760003

METHOD BLANK: 53853 Matrix: Water
Associated Lab Samples: 707760001, 707760002, 707760003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	01/16/17 13:01	
Iron	ug/L	<100	100	01/16/17 13:01	
Manganese	ug/L	<10.0	10.0	01/16/17 13:01	
Zinc	ug/L	<20.0	20.0	01/16/17 13:01	

LABORATORY CONTROL SAMPLE: 53854

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	52.6	105	85-115	
Iron	ug/L	2000	2050	103	85-115	
Manganese	ug/L	250	253	101	85-115	
Zinc	ug/L	1000	966	97	85-115	

MATRIX SPIKE SAMPLE: 53856

Parameter	Units	707760001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	54.6	109	70-130	
Iron	ug/L	792	2000	2870	104	70-130	
Manganese	ug/L	90.4	250	328	95	70-130	
Zinc	ug/L	48.4	1000	1030	98	70-130	

SAMPLE DUPLICATE: 53855

Parameter	Units	707760001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	792	790	0	
Manganese	ug/L	90.4	73.8	20	
Zinc	ug/L	48.4	50.2	4	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

QC Batch: 8785 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 707760001, 707760003

METHOD BLANK: 44630 Matrix: Water
Associated Lab Samples: 707760001, 707760003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/29/16 17:47	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/29/16 17:47	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/29/16 17:47	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/29/16 17:47	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/29/16 17:47	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/29/16 17:47	
1,1-Dichloropropene	ug/L	<1.0	1.0	12/29/16 17:47	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	12/29/16 17:47	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/29/16 17:47	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/29/16 17:47	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/29/16 17:47	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/29/16 17:47	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/29/16 17:47	
1,3-Dichloropropane	ug/L	<1.0	1.0	12/29/16 17:47	
1,4-Diethylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	12/29/16 17:47	
2-Butanone (MEK)	ug/L	<1.0	1.0	12/29/16 17:47	
2-Chlorotoluene	ug/L	<1.0	1.0	12/29/16 17:47	
2-Hexanone	ug/L	<1.0	1.0	12/29/16 17:47	
4-Chlorotoluene	ug/L	<1.0	1.0	12/29/16 17:47	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	1.0	12/29/16 17:47	
Acetone	ug/L	<5.0	5.0	12/29/16 17:47	
Benzene	ug/L	<1.0	1.0	12/29/16 17:47	
Bromobenzene	ug/L	<1.0	1.0	12/29/16 17:47	
Bromochloromethane	ug/L	<1.0	1.0	12/29/16 17:47	
Bromodichloromethane	ug/L	<1.0	1.0	12/29/16 17:47	
Bromoform	ug/L	<1.0	1.0	12/29/16 17:47	
Bromomethane	ug/L	<1.0	1.0	12/29/16 17:47	
Carbon disulfide	ug/L	<1.0	1.0	12/29/16 17:47	
Carbon tetrachloride	ug/L	<1.0	1.0	12/29/16 17:47	
Chlorobenzene	ug/L	<1.0	1.0	12/29/16 17:47	
Chlorodifluoromethane	ug/L	<1.0	1.0	12/29/16 17:47	N3
Chloroethane	ug/L	<1.0	1.0	12/29/16 17:47	
Chloroform	ug/L	<1.0	1.0	12/29/16 17:47	
Chloromethane	ug/L	<1.0	1.0	12/29/16 17:47	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/29/16 17:47	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/29/16 17:47	
Dibromochloromethane	ug/L	<1.0	1.0	12/29/16 17:47	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

METHOD BLANK: 44630 Matrix: Water
Associated Lab Samples: 707760001, 707760003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	12/29/16 17:47	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/29/16 17:47	
Ethanol	ug/L	<250	250	12/29/16 17:47	
Ethylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	12/29/16 17:47	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/29/16 17:47	
Methylene Chloride	ug/L	<1.0	1.0	12/29/16 17:47	
n-Butylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	
n-Propylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	
p-Isopropyltoluene	ug/L	<1.0	1.0	12/29/16 17:47	
sec-Butylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	
Styrene	ug/L	<1.0	1.0	12/29/16 17:47	
tert-Butylbenzene	ug/L	<1.0	1.0	12/29/16 17:47	
Tetrachloroethene	ug/L	<1.0	1.0	12/29/16 17:47	
Toluene	ug/L	<1.0	1.0	12/29/16 17:47	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/29/16 17:47	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/29/16 17:47	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	12/29/16 17:47	
Trichloroethene	ug/L	<1.0	1.0	12/29/16 17:47	
Vinyl chloride	ug/L	<1.0	1.0	12/29/16 17:47	
Xylene (Total)	ug/L	<1.0	1.0	12/29/16 17:47	
1,2-Dichloroethane-d4 (S)	%.	104	68-153	12/29/16 17:47	
4-Bromofluorobenzene (S)	%.	88	79-124	12/29/16 17:47	
Toluene-d8 (S)	%.	94	69-124	12/29/16 17:47	

LABORATORY CONTROL SAMPLE: 44631

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.2	102	74-113	
1,1,1-Trichloroethane	ug/L	50	49.8	100	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	58.5	117	74-121	
1,1,2-Trichloroethane	ug/L	50	64.1	128	80-117	
1,1-Dichloroethane	ug/L	50	51.8	104	83-151	
1,1-Dichloroethene	ug/L	50	48.8	98	45-146	
1,1-Dichloropropene	ug/L	50	48.9	98	59-127	
1,2,3-Trichlorobenzene	ug/L	50	41.3	83	67-103	
1,2,3-Trichloropropane	ug/L	50	58.6	117	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	55.1	110	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	54.5	109	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	65.0	130	83-115	
1,2-Dichloroethane	ug/L	50	49.3	99	74-129	
1,2-Dichloropropane	ug/L	50	47.5	95	75-117	
1,3,5-Trimethylbenzene	ug/L	50	54.0	108	67-116	
1,3-Dichlorobenzene	ug/L	50	51.4	103	71-112	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

LABORATORY CONTROL SAMPLE: 44631

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	51.4	103	74-112	
1,4-Diethylbenzene	ug/L	50	55.5	111	56-130	N3
2,2-Dichloropropane	ug/L	50	53.1	106	63-133	
2-Butanone (MEK)	ug/L	50	54.9	110	44-162	
2-Chlorotoluene	ug/L	50	54.5	109	74-101	
2-Hexanone	ug/L	50	59.4	119	32-183	
4-Chlorotoluene	ug/L	50	55.1	110	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	65.3	131	69-132	
Acetone	ug/L	50	60.7	121	23-188	CC
Benzene	ug/L	50	46.9	94	73-119	
Bromobenzene	ug/L	50	50.1	100	72-102	
Bromochloromethane	ug/L	50	46.9	94	81-116	
Bromodichloromethane	ug/L	50	50.5	101	78-117	
Bromoform	ug/L	50	43.2	86	65-122	
Bromomethane	ug/L	50	51.1	102	52-147	
Carbon disulfide	ug/L	50	42.3	85	41-144	
Carbon tetrachloride	ug/L	50	53.9	108	59-120	
Chlorobenzene	ug/L	50	49.5	99	75-113	
Chlorodifluoromethane	ug/L	50	43.8	88	43-140	N3
Chloroethane	ug/L	50	47.8	96	49-151	
Chloroform	ug/L	50	47.4	95	72-122	
Chloromethane	ug/L	50	35.0	70	46-144	CC
cis-1,2-Dichloroethene	ug/L	50	47.5	95	72-121	
cis-1,3-Dichloropropene	ug/L	50	52.6	105	78-116	
Dibromochloromethane	ug/L	50	51.5	103	70-120	
Dibromomethane	ug/L	50	48.9	98	75-125	
Dichlorodifluoromethane	ug/L	50	22.9	46	22-154	CC
Ethanol	ug/L	1250	2050	164	10-151	CC
Ethylbenzene	ug/L	50	49.0	98	70-113	
Hexachloro-1,3-butadiene	ug/L	50	38.6	77	59-121	
Isopropylbenzene (Cumene)	ug/L	50	53.9	108	67-115	
Methylene Chloride	ug/L	50	52.1	104	61-142	
n-Butylbenzene	ug/L	50	57.2	114	73-107	
n-Propylbenzene	ug/L	50	56.1	112	68-116	
p-Isopropyltoluene	ug/L	50	54.2	108	73-101	
sec-Butylbenzene	ug/L	50	55.4	111	72-103	
Styrene	ug/L	50	51.7	103	72-118	
tert-Butylbenzene	ug/L	50	52.6	105	68-100	
Tetrachloroethene	ug/L	50	44.9	90	60-128	
Toluene	ug/L	50	58.1	116	72-119	
trans-1,2-Dichloroethene	ug/L	50	51.3	103	56-142	
trans-1,3-Dichloropropene	ug/L	50	69.0	138	79-116	CC
trans-1,4-Dichloro-2-butene	ug/L	50	48.8	98	71-121	
Trichloroethene	ug/L	50	48.6	97	69-117	
Vinyl chloride	ug/L	50	42.4	85	43-143	
Xylene (Total)	ug/L	150	148	99	71-109	
1,2-Dichloroethane-d4 (S)	%.			103	68-153	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

LABORATORY CONTROL SAMPLE: 44631

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			100	79-124	
Toluene-d8 (S)	%.			88	69-124	

MATRIX SPIKE SAMPLE: 44671

Parameter	Units	707848015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	50.6	101	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	47.1	94	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	55.2	110	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	59.8	120	80-117	M0
1,1-Dichloroethane	ug/L	<1.0	50	51.4	103	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	53.0	106	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	51.3	103	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	44.3	89	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	56.5	113	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	51.6	103	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	52.6	105	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	56.5	113	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	61.4	123	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	49.7	99	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	51.9	104	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	52.4	105	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	58.4	117	74-112	M1
1,4-Diethylbenzene	ug/L	<1.0	50	51.1	102	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	51.1	102	63-133	
2-Butanone (MEK)	ug/L	<1.0	50	56.4	113	44-162	
2-Chlorotoluene	ug/L	<1.0	50	51.3	103	74-101	M0
2-Hexanone	ug/L	<1.0	50	65.7	131	32-183	
4-Chlorotoluene	ug/L	<1.0	50	51.8	104	74-101	M0
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	50	59.7	119	69-132	
Acetone	ug/L	<5.0	50	65.8	132	23-188	CC
Benzene	ug/L	<1.0	50	50.6	101	73-119	
Bromobenzene	ug/L	<1.0	50	53.0	106	72-102	M1
Bromochloromethane	ug/L	<1.0	50	49.0	98	81-116	
Bromodichloromethane	ug/L	<1.0	50	51.8	104	78-117	
Bromoform	ug/L	<1.0	50	40.1	80	65-122	
Bromomethane	ug/L	<1.0	50	52.5	105	52-147	
Carbon disulfide	ug/L	<1.0	50	43.4	87	41-144	
Carbon tetrachloride	ug/L	<1.0	50	46.9	94	59-120	
Chlorobenzene	ug/L	<1.0	50	54.7	109	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	47.9	96	43-140	N3
Chloroethane	ug/L	<1.0	50	47.8	96	49-151	
Chloroform	ug/L	<1.0	50	51.8	104	72-122	
Chloromethane	ug/L	<1.0	50	37.5	75	46-144	CC
cis-1,2-Dichloroethene	ug/L	<1.0	50	51.5	103	72-121	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

MATRIX SPIKE SAMPLE: 44671

Parameter	Units	707848015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	48.5	97	78-116	
Dibromochloromethane	ug/L	<1.0	50	48.3	97	70-120	
Dibromomethane	ug/L	<1.0	50	54.7	109	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	24.3	49	22-154	CC
Ethanol	ug/L	<250	1250	2240	179	10-151	CC,M0
Ethylbenzene	ug/L	<1.0	50	54.4	109	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	36.7	73	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	52.7	105	67-115	
Methylene Chloride	ug/L	<1.0	50	47.2	94	61-142	
n-Butylbenzene	ug/L	<1.0	50	49.5	99	73-107	
n-Propylbenzene	ug/L	<1.0	50	51.7	103	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	51.5	103	73-101	M0
sec-Butylbenzene	ug/L	<1.0	50	52.4	105	72-103	M0
Styrene	ug/L	<1.0	50	56.3	113	72-118	
tert-Butylbenzene	ug/L	<1.0	50	52.7	105	68-100	M0
Tetrachloroethene	ug/L	<1.0	50	52.8	106	60-128	
Toluene	ug/L	<1.0	50	58.9	118	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	49.6	99	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	61.6	123	79-116	CC,M0
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	38.7	77	71-121	
Trichloroethene	ug/L	<1.0	50	50.0	100	69-117	
Vinyl chloride	ug/L	<1.0	50	45.2	90	43-143	
Xylene (Total)	ug/L	<1.0	150	162	108	71-109	
1,2-Dichloroethane-d4 (S)	%.				96	68-153	
4-Bromofluorobenzene (S)	%.				100	79-124	
Toluene-d8 (S)	%.				109	69-124	

SAMPLE DUPLICATE: 44670

Parameter	Units	707848014 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	4.7	5.0	7	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	1.3	1.3	2	
1,1-Dichloroethene	ug/L	4.3	4.0	7	
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

SAMPLE DUPLICATE: 44670

Parameter	Units	707848014 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<1.0	<1.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<1.0	<1.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	<1.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

SAMPLE DUPLICATE: 44670

Parameter	Units	707848014 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	107	106	1	
4-Bromofluorobenzene (S)	%.	122	103	17	
Toluene-d8 (S)	%.	112	102	9	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

QC Batch: 9027
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Associated Lab Samples: 707760002

METHOD BLANK: 47035
Matrix: Water
Associated Lab Samples: 707760002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	01/03/17 13:31	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/03/17 13:31	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/03/17 13:31	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/03/17 13:31	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/03/17 13:31	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/03/17 13:31	
1,1-Dichloropropene	ug/L	<1.0	1.0	01/03/17 13:31	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	01/03/17 13:31	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	01/03/17 13:31	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	01/03/17 13:31	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/03/17 13:31	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/03/17 13:31	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	01/03/17 13:31	
1,3-Dichloropropane	ug/L	<1.0	1.0	01/03/17 13:31	
1,4-Diethylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	01/03/17 13:31	
2-Butanone (MEK)	ug/L	<1.0	1.0	01/03/17 13:31	
2-Chlorotoluene	ug/L	<1.0	1.0	01/03/17 13:31	
2-Hexanone	ug/L	<1.0	1.0	01/03/17 13:31	
4-Chlorotoluene	ug/L	<1.0	1.0	01/03/17 13:31	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	1.0	01/03/17 13:31	
Acetone	ug/L	<5.0	5.0	01/03/17 13:31	
Benzene	ug/L	<1.0	1.0	01/03/17 13:31	
Bromobenzene	ug/L	<1.0	1.0	01/03/17 13:31	
Bromochloromethane	ug/L	<1.0	1.0	01/03/17 13:31	
Bromodichloromethane	ug/L	<1.0	1.0	01/03/17 13:31	
Bromoform	ug/L	<1.0	1.0	01/03/17 13:31	
Bromomethane	ug/L	<1.0	1.0	01/03/17 13:31	
Carbon disulfide	ug/L	<1.0	1.0	01/03/17 13:31	
Carbon tetrachloride	ug/L	<1.0	1.0	01/03/17 13:31	
Chlorobenzene	ug/L	<1.0	1.0	01/03/17 13:31	
Chlorodifluoromethane	ug/L	<1.0	1.0	01/03/17 13:31	N3
Chloroethane	ug/L	<1.0	1.0	01/03/17 13:31	
Chloroform	ug/L	<1.0	1.0	01/03/17 13:31	
Chloromethane	ug/L	<1.0	1.0	01/03/17 13:31	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	01/03/17 13:31	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/03/17 13:31	
Dibromochloromethane	ug/L	<1.0	1.0	01/03/17 13:31	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

METHOD BLANK: 47035 Matrix: Water
Associated Lab Samples: 707760002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	01/03/17 13:31	
Dichlorodifluoromethane	ug/L	<1.0	1.0	01/03/17 13:31	
Ethanol	ug/L	<250	250	01/03/17 13:31	
Ethylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	01/03/17 13:31	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	01/03/17 13:31	
Methylene Chloride	ug/L	<1.0	1.0	01/03/17 13:31	
n-Butylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	
n-Propylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	
p-Isopropyltoluene	ug/L	<1.0	1.0	01/03/17 13:31	
sec-Butylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	
Styrene	ug/L	<1.0	1.0	01/03/17 13:31	
tert-Butylbenzene	ug/L	<1.0	1.0	01/03/17 13:31	
Tetrachloroethene	ug/L	<1.0	1.0	01/03/17 13:31	
Toluene	ug/L	<1.0	1.0	01/03/17 13:31	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	01/03/17 13:31	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/03/17 13:31	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	01/03/17 13:31	
Trichloroethene	ug/L	<1.0	1.0	01/03/17 13:31	
Vinyl chloride	ug/L	<1.0	1.0	01/03/17 13:31	
Xylene (Total)	ug/L	<1.0	1.0	01/03/17 13:31	
1,2-Dichloroethane-d4 (S)	%.	102	68-153	01/03/17 13:31	
4-Bromofluorobenzene (S)	%.	90	79-124	01/03/17 13:31	
Toluene-d8 (S)	%.	92	69-124	01/03/17 13:31	

LABORATORY CONTROL SAMPLE: 47036

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.1	104	74-113	
1,1,1-Trichloroethane	ug/L	50	40.8	82	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	74-121	
1,1,2-Trichloroethane	ug/L	50	52.4	105	80-117	
1,1-Dichloroethane	ug/L	50	48.6	97	83-151	
1,1-Dichloroethene	ug/L	50	45.2	90	45-146	
1,1-Dichloropropene	ug/L	50	39.3	79	59-127	
1,2,3-Trichlorobenzene	ug/L	50	40.7	81	67-103	CC
1,2,3-Trichloropropane	ug/L	50	51.4	103	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	42.8	86	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	42.4	85	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	48.0	96	83-115	
1,2-Dichloroethane	ug/L	50	54.3	109	74-129	
1,2-Dichloropropane	ug/L	50	47.3	95	75-117	
1,3,5-Trimethylbenzene	ug/L	50	40.5	81	67-116	CC
1,3-Dichlorobenzene	ug/L	50	46.6	93	71-112	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

LABORATORY CONTROL SAMPLE: 47036

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	56.1	112	74-112	
1,4-Diethylbenzene	ug/L	50	38.2	76	56-130	N3
2,2-Dichloropropane	ug/L	50	50.2	100	63-133	
2-Butanone (MEK)	ug/L	50	59.8	120	44-162	
2-Chlorotoluene	ug/L	50	41.3	83	74-101	CC
2-Hexanone	ug/L	50	62.0	124	32-183	
4-Chlorotoluene	ug/L	50	43.3	87	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	60.9	122	69-132	
Acetone	ug/L	50	61.9	124	23-188	
Benzene	ug/L	50	44.9	90	73-119	
Bromobenzene	ug/L	50	47.3	95	72-102	
Bromochloromethane	ug/L	50	53.3	107	81-116	
Bromodichloromethane	ug/L	50	49.1	98	78-117	
Bromoform	ug/L	50	48.6	97	65-122	
Bromomethane	ug/L	50	59.4	119	52-147	
Carbon disulfide	ug/L	50	40.8	82	41-144	
Carbon tetrachloride	ug/L	50	42.5	85	59-120	CC
Chlorobenzene	ug/L	50	47.6	95	75-113	
Chlorodifluoromethane	ug/L	50	51.1	102	43-140	N3
Chloroethane	ug/L	50	50.5	101	49-151	
Chloroform	ug/L	50	49.2	98	72-122	
Chloromethane	ug/L	50	49.8	100	46-144	
cis-1,2-Dichloroethene	ug/L	50	50.9	102	72-121	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	78-116	
Dibromochloromethane	ug/L	50	52.9	106	70-120	
Dibromomethane	ug/L	50	51.7	103	75-125	
Dichlorodifluoromethane	ug/L	50	48.0	96	22-154	
Ethanol	ug/L	1250	2210	177	10-151	CC
Ethylbenzene	ug/L	50	44.1	88	70-113	
Hexachloro-1,3-butadiene	ug/L	50	25.4	51	59-121	CC
Isopropylbenzene (Cumene)	ug/L	50	38.6	77	67-115	CC
Methylene Chloride	ug/L	50	51.6	103	61-142	
n-Butylbenzene	ug/L	50	34.8	70	73-107	CC
n-Propylbenzene	ug/L	50	38.4	77	68-116	CC
p-Isopropyltoluene	ug/L	50	40.3	81	73-101	
sec-Butylbenzene	ug/L	50	34.9	70	72-103	CC
Styrene	ug/L	50	50.0	100	72-118	
tert-Butylbenzene	ug/L	50	36.7	73	68-100	CC
Tetrachloroethene	ug/L	50	45.8	92	60-128	
Toluene	ug/L	50	44.6	89	72-119	
trans-1,2-Dichloroethene	ug/L	50	46.2	92	56-142	
trans-1,3-Dichloropropene	ug/L	50	57.2	114	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	42.5	85	71-121	CC
Trichloroethene	ug/L	50	43.6	87	69-117	
Vinyl chloride	ug/L	50	47.3	95	43-143	
Xylene (Total)	ug/L	150	136	91	71-109	
1,2-Dichloroethane-d4 (S)	%.			101	68-153	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

LABORATORY CONTROL SAMPLE: 47036

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			104	79-124	
Toluene-d8 (S)	%.			114	69-124	

MATRIX SPIKE SAMPLE: 48221

Parameter	Units	707991001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<5.0	50	38.9	78	74-113	
1,1,1-Trichloroethane	ug/L	<5.0	50	45.5	91	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<5.0	50	48.2	96	74-121	
1,1,2-Trichloroethane	ug/L	<5.0	50	56.6	113	80-117	
1,1-Dichloroethane	ug/L	<5.0	50	54.7	109	83-151	
1,1-Dichloroethene	ug/L	<5.0	50	75.7	151	45-146	M1
1,1-Dichloropropene	ug/L	<1.0	50	49.6	99	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	39.7	79	67-103	CC
1,2,3-Trichloropropane	ug/L	<5.0	50	50.8	102	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	48.6	97	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	54.4	109	68-116	
1,2-Dibromoethane (EDB)	ug/L	<5.0	50	53.8	108	83-115	
1,2-Dichloroethane	ug/L	<5.0	50	58.1	116	74-129	
1,2-Dichloropropane	ug/L	<5.0	50	51.9	104	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	47.7	95	67-116	CC
1,3-Dichlorobenzene	ug/L	<1.0	50	48.3	97	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	52.5	105	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	48.5	97	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	38.4	77	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	59.0	118	44-162	
2-Chlorotoluene	ug/L	<1.0	50	47.5	95	74-101	CC
2-Hexanone	ug/L	<5.0	50	60.4	121	32-183	
4-Chlorotoluene	ug/L	<1.0	50	48.3	97	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	68.1	136	69-132	M1
Acetone	ug/L	<5.0	50	113	227	23-188	M1
Benzene	ug/L	<5.0	50	52.1	104	73-119	
Bromobenzene	ug/L	<1.0	50	48.4	97	72-102	
Bromochloromethane	ug/L	<5.0	50	51.0	102	81-116	
Bromodichloromethane	ug/L	<5.0	50	44.0	88	78-117	
Bromoform	ug/L	<5.0	50	28.9	58	65-122	M1
Bromomethane	ug/L	<5.0	50	10.6	21	52-147	M1
Carbon disulfide	ug/L	<5.0	50	80.6	161	41-144	M1
Carbon tetrachloride	ug/L	<5.0	50	20.5	41	59-120	CC,M1
Chlorobenzene	ug/L	<5.0	50	49.3	99	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	43.6	87	43-140	N3
Chloroethane	ug/L	<5.0	50	51.9	104	49-151	
Chloroform	ug/L	<5.0	50	56.4	113	72-122	
Chloromethane	ug/L	<5.0	50	30.6	61	46-144	
cis-1,2-Dichloroethene	ug/L	<5.0	50	58.3	117	72-121	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

MATRIX SPIKE SAMPLE: 48221

Parameter	Units	707991001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<5.0	50	45.8	92	78-116	
Dibromochloromethane	ug/L	<5.0	50	37.1	74	70-120	
Dibromomethane	ug/L	<5.0	50	53.1	106	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	20.9	42	22-154	
Ethanol	ug/L	<250	1250	2930	234	10-151	CC,M0
Ethylbenzene	ug/L	<5.0	50	50.2	100	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	32.3	65	59-121	CC
Isopropylbenzene (Cumene)	ug/L	<1.0	50	46.9	94	67-115	CC
Methylene Chloride	ug/L	<5.0	50	53.3	107	61-142	
n-Butylbenzene	ug/L	<1.0	50	47.3	95	73-107	CC
n-Propylbenzene	ug/L	<1.0	50	48.1	96	68-116	CC
p-Isopropyltoluene	ug/L	<1.0	50	49.1	98	73-101	
sec-Butylbenzene	ug/L	<1.0	50	48.8	98	72-103	CC
Styrene	ug/L	<5.0	50	50.0	100	72-118	
tert-Butylbenzene	ug/L	<1.0	50	45.7	91	68-100	CC
Tetrachloroethene	ug/L	<5.0	50	46.1	92	60-128	
Toluene	ug/L	<5.0	50	54.4	109	72-119	
trans-1,2-Dichloroethene	ug/L	<5.0	50	55.6	111	56-142	
trans-1,3-Dichloropropene	ug/L	<5.0	50	43.7	87	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<5.0	50	16.7	33	71-121	CC,M1
Trichloroethene	ug/L	<5.0	50	58.9	118	69-117	M1
Vinyl chloride	ug/L	<1.0	50	47.0	94	43-143	
Xylene (Total)	ug/L	<5.0	150	147	98	71-109	
1,2-Dichloroethane-d4 (S)	%.				106	68-153	
4-Bromofluorobenzene (S)	%.				94	79-124	
Toluene-d8 (S)	%.				105	69-124	

SAMPLE DUPLICATE: 48222

Parameter	Units	707991003 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<5.0	<1.0		
1,1,1-Trichloroethane	ug/L	<5.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<5.0	<1.0		
1,1,2-Trichloroethane	ug/L	<5.0	<1.0		
1,1-Dichloroethane	ug/L	<5.0	<1.0		
1,1-Dichloroethene	ug/L	<5.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<5.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<5.0	<1.0		
1,2-Dichloroethane	ug/L	<5.0	<1.0		
1,2-Dichloropropane	ug/L	<5.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

SAMPLE DUPLICATE: 48222

Parameter	Units	707991003 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<1.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<1.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<1.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<5.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<5.0	<1.0		
Bromodichloromethane	ug/L	<5.0	<1.0		
Bromoform	ug/L	<5.0	<1.0		
Bromomethane	ug/L	<5.0	<1.0		
Carbon disulfide	ug/L	<5.0	<1.0		
Carbon tetrachloride	ug/L	<5.0	<1.0		
Chlorobenzene	ug/L	<5.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<5.0	<1.0		
Chloroform	ug/L	<5.0	<1.0		
Chloromethane	ug/L	<5.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<5.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<5.0	<1.0		
Dibromochloromethane	ug/L	<5.0	<1.0		
Dibromomethane	ug/L	<5.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<5.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<5.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<5.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<5.0	<1.0		
Toluene	ug/L	<5.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<5.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<5.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<5.0	<1.0		
Trichloroethene	ug/L	<5.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<5.0	<1.0		

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

SAMPLE DUPLICATE: 48222

Parameter	Units	707991003 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	105	105	0	
4-Bromofluorobenzene (S)	%.	113	97	15	
Toluene-d8 (S)	%.	107	95	12	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

QC Batch: 8757 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 707760001, 707760002

METHOD BLANK: 44450 Matrix: Water
Associated Lab Samples: 707760001, 707760002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	12/29/16 16:22	

LABORATORY CONTROL SAMPLE: 44451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	464	93	85-115	

MATRIX SPIKE SAMPLE: 44453

Parameter	Units	707608001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	116	300	395	93	75-125	

MATRIX SPIKE SAMPLE: 44541

Parameter	Units	707702001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	688	600	1280	99	75-125	

SAMPLE DUPLICATE: 44452

Parameter	Units	707608001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	116	130	11	

SAMPLE DUPLICATE: 44540

Parameter	Units	707702001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	688	728	6	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

QC Batch: 8875
QC Batch Method: SM22 2540C
Analysis Method: SM22 2540C
Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 707760003

METHOD BLANK: 45361 Matrix: Water
Associated Lab Samples: 707760003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	12/30/16 14:11	

LABORATORY CONTROL SAMPLE: 45362

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	478	96	85-115	

MATRIX SPIKE SAMPLE: 45364

Parameter	Units	707703001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	237	300	530	98	75-125	

MATRIX SPIKE SAMPLE: 45366

Parameter	Units	707878001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	28.0	600	628	100	75-125	

SAMPLE DUPLICATE: 45363

Parameter	Units	707703001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	237	229	3	

SAMPLE DUPLICATE: 45365

Parameter	Units	707878001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	28.0	26.0	7	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

QC Batch: 8509 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 707760001, 707760002, 707760003

SAMPLE DUPLICATE: 43095

Parameter	Units	707760001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.6	4.8	3	H3,H6

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: VOC/TDS/PH/MET/DISS. MET 12/27
Pace Project No.: 707760

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
707760001	**INFLUENT #1**	EPA 200.7	10329	EPA 200.7	10354
707760002	**INFLUENT #2**	EPA 200.7	10329	EPA 200.7	10354
707760003	**EFFLUENT #1**	EPA 200.7	10329	EPA 200.7	10354
707760001	**INFLUENT #1**	EPA 200.7	9521		
707760002	**INFLUENT #2**	EPA 200.7	9521		
707760003	**EFFLUENT #1**	EPA 200.7	9521		
707760001	**INFLUENT #1**	EPA 8260C/5030C	8785		
707760002	**INFLUENT #2**	EPA 8260C/5030C	9027		
707760003	**EFFLUENT #1**	EPA 8260C/5030C	8785		
707760001	**INFLUENT #1**	SM22 2540C	8757		
707760002	**INFLUENT #2**	SM22 2540C	8757		
707760003	**EFFLUENT #1**	SM22 2540C	8875		
707760001	**INFLUENT #1**	EPA 9040C	8509		
707760002	**INFLUENT #2**	EPA 9040C	8509		
707760003	**EFFLUENT #1**	EPA 9040C	8509		

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Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed ac

12-27-16

WO#: 707760

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Fairchild Republic	Report To:	Fairchild - Mairoll Corp	Attention:	Donald Miller
Address:	8130 Boone Blvd, Suite 260	Copy To:	Wire to Water	Company Name:	Fairchild Mairoll Corp
	Vienna VA 22182-2640			Address:	8130 Boone Blvd, Suite 260
Email To:	James@wiretowater.com	Purchase Order No.:		Pace Quote Reference:	PH:(703)478-5800
Phone:	(631) 777-7310 Fax: (631) 777-7312	Project Name:		Pace Project Manager:	Fax:(703) 478-5775
Requested Due Date/TAT:	standard	Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

REF LAB # 14126438

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	40ml w/HCl(VOC+Freon)	250ml plastic (TDS&pH)	125ml (Filter/Diss.Met)	125ml-nitric acid (tot.meta	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Influent #1	AQ	G			12-27	1:00		5										2	1	1	1		707760
2	Influent #2	AQ	G			12-27	1:15		5										2	1	1	1		
3	Effluent #1	AQ	G			12-27	1:30		5										2	1	1	1		
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Total & dissolved metals: Fe, Mn, Zn	James Bonnici	12/27/16	3:10		12/27/16	3:10	0.8	Y	N	Y
Filter sample for dissolved metals @ lab.										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JAMES Bonnici

SIGNATURE of SAMPLER: James Bonnici DATE Signed (MM/DD/YY): 12-27-16

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Pace Analytical

Sample Condition Upon Rece

WO#:707760
PM: JDS Due Date: 01/06/17
CLIENT: FAIR

Client Name: FAIR

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: TH077 TH078 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 0.8

Temp should be above freezing to 6°C

Date and Initials of person examining contents: MD 12/27/16

Comments:

Chain of Custody Present:	☑Yes	☐No	☐N/A	1.	
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.	
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.	
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.	
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.	
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.	
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.	
Sufficient Volume:	☑Yes	☐No	☐N/A	8.	
Correct Containers Used:	☑Yes	☐No	☐N/A	9.	
-Pace Containers Used:	☑Yes	☐No	☐N/A		
Containers Intact:	☑Yes	☐No	☐N/A	10.	
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.	
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.	
-Includes date/time/ID/Analysis Matrix SL WT OIL					
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes	☐No	☐N/A	Initial when completed:	Lot # of added preservative:
Exceptions: VOA, micro, TOC, O&G					Date and Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.	
Trip Blank Present:	☐Yes	☐No	☑N/A	16.	
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A		
Pace Trip Blank Lot # (if purchased): _____					

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* **PM (Project Manager) review is documented electronically in LIMS.**

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

February 13, 2017

Daniel St. Germaine
HDR
1 International Blvd.
Mahwah, NJ 07495

RE: Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Dear Daniel Germaine:
Enclosed are the analytical results for sample(s) received by the laboratory on February 03, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
Project Manager

Enclosures

cc: Elaine, Fairchild Corporation
James, Wire to Water Electrical Contractors
Paul, Wire to Water Electrical Contractors
Stuart Skopicki, Wire to Water Electrical Contractors

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Sample: INFLUENT #1 **Lab ID: 7010537001** Collected: 02/03/17 10:45 Received: 02/03/17 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	02/06/17 10:56	02/06/17 21:56	7440-41-7	
Iron	**764**	ug/L	100	1	02/06/17 10:56	02/06/17 21:56	7439-89-6	
Manganese	**70.7**	ug/L	10.0	1	02/06/17 10:56	02/06/17 21:56	7439-96-5	
Zinc	**50.4**	ug/L	20.0	1	02/06/17 10:56	02/06/17 21:56	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/17 11:52	7440-41-7	
Iron, Dissolved	**228**	ug/L	100	1		02/07/17 11:52	7439-89-6	
Manganese, Dissolved	**70.1**	ug/L	10.0	1		02/07/17 11:52	7439-96-5	
Zinc, Dissolved	**67.4**	ug/L	20.0	1		02/07/17 11:52	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	75-71-8	
Chloromethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	74-87-3	
Vinyl chloride	**33.3**	ug/L	10.0	10		02/03/17 20:11	75-01-4	
Chloroethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	75-00-3	
Bromomethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	74-83-9	
Methylene Chloride	**<10.0**	ug/L	10.0	10		02/03/17 20:11	75-09-2	
1,1-Dichloroethene	**11.9**	ug/L	10.0	10		02/03/17 20:11	75-35-4	
trans-1,2-Dichloroethene	**293**	ug/L	10.0	10		02/03/17 20:11	156-60-5	
1,1-Dichloroethane	**24.4**	ug/L	10.0	10		02/03/17 20:11	75-34-3	
2,2-Dichloropropane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	594-20-7	
cis-1,2-Dichloroethene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	156-59-2	
Chloroform	**<10.0**	ug/L	10.0	10		02/03/17 20:11	67-66-3	
Bromochloromethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	74-97-5	
1,1,1-Trichloroethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	71-55-6	
Carbon tetrachloride	**<10.0**	ug/L	10.0	10		02/03/17 20:11	56-23-5	
1,1-Dichloropropene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	563-58-6	
Benzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	71-43-2	
1,2-Dichloroethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	107-06-2	
Trichloroethene	**131**	ug/L	10.0	10		02/03/17 20:11	79-01-6	
1,2-Dichloropropane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	78-87-5	
Bromodichloromethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	75-27-4	
Dibromomethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	74-95-3	
trans-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	10061-02-6	
Toluene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	108-88-3	
cis-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	10061-01-5	
1,1,2-Trichloroethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	79-00-5	
Tetrachloroethene	**605**	ug/L	10.0	10		02/03/17 20:11	127-18-4	
1,3-Dichloropropane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	142-28-9	
Dibromochloromethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	124-48-1	
1,2-Dibromoethane (EDB)	**<10.0**	ug/L	10.0	10		02/03/17 20:11	106-93-4	
Chlorobenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	108-90-7	
1,1,1,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	630-20-6	
Ethylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	100-41-4	
Xylene (Total)	**<10.0**	ug/L	10.0	10		02/03/17 20:11	1330-20-7	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Sample: INFLUENT #1 **Lab ID: 7010537001** Collected: 02/03/17 10:45 Received: 02/03/17 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	100-42-5	
Bromoform	**<10.0**	ug/L	10.0	10		02/03/17 20:11	75-25-2	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	10.0	10		02/03/17 20:11	98-82-8	
1,1,2,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	79-34-5	
Bromobenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	108-86-1	
1,2,3-Trichloropropane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	96-18-4	
n-Propylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	103-65-1	
2-Chlorotoluene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	95-49-8	
1,3,5-Trimethylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	108-67-8	
4-Chlorotoluene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	106-43-4	
1,2,4-Trimethylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	95-63-6	
sec-Butylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	135-98-8	
tert-Butylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	98-06-6	
p-Isopropyltoluene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	99-87-6	
1,3-Dichlorobenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	541-73-1	
n-Butylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	104-51-8	
Hexachloro-1,3-butadiene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	87-68-3	
1,2,3-Trichlorobenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	87-61-6	L2
2-Butanone (MEK)	**<10.0**	ug/L	10.0	10		02/03/17 20:11	78-93-3	
2-Hexanone	**<10.0**	ug/L	10.0	10		02/03/17 20:11	591-78-6	
Carbon disulfide	**<10.0**	ug/L	10.0	10		02/03/17 20:11	75-15-0	
Acetone	**<50.0**	ug/L	50.0	10		02/03/17 20:11	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<10.0**	ug/L	10.0	10		02/03/17 20:11	108-10-1	
trans-1,4-Dichloro-2-butene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	110-57-6	
Ethanol	**<2500**	ug/L	2500	10		02/03/17 20:11	64-17-5	
Chlorodifluoromethane	**<10.0**	ug/L	10.0	10		02/03/17 20:11	75-45-6	N3
1,4-Diethylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<10.0**	ug/L	10.0	10		02/03/17 20:11	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%.	68-153	10		02/03/17 20:11	17060-07-0	
4-Bromofluorobenzene (S)	94	%.	79-124	10		02/03/17 20:11	460-00-4	
Toluene-d8 (S)	90	%.	69-124	10		02/03/17 20:11	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**97.0**	mg/L	10.0	1		02/08/17 13:58		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**4.8**	Std. Units	0.10	1		02/04/17 06:31		H6

02/03/2017 Influent Data
Total CVOC- 1097 ppb

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(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Sample: INFLUENT #2 **Lab ID: 7010537002** Collected: 02/03/17 11:00 Received: 02/03/17 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	02/06/17 10:56	02/06/17 22:01	7440-41-7	
Iron	**701**	ug/L	100	1	02/06/17 10:56	02/06/17 22:01	7439-89-6	
Manganese	**73.2**	ug/L	10.0	1	02/06/17 10:56	02/06/17 22:01	7439-96-5	
Zinc	**21.6**	ug/L	20.0	1	02/06/17 10:56	02/06/17 22:01	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/17 12:13	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		02/07/17 12:13	7439-89-6	
Manganese, Dissolved	**69.0**	ug/L	10.0	1		02/07/17 12:13	7439-96-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		02/07/17 12:13	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	594-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		02/03/17 19:50	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		02/03/17 19:50	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	107-06-2	
Trichloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		02/03/17 19:50	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	100-41-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		02/03/17 19:50	1330-20-7	

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ANALYTICAL RESULTS

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Sample: INFLUENT #2 **Lab ID: 7010537002** Collected: 02/03/17 11:00 Received: 02/03/17 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		02/03/17 19:50	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	98-06-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	87-61-6	L2
2-Butanone (MEK)	**<1.0**	ug/L	1.0	1		02/03/17 19:50	78-93-3	
2-Hexanone	**<1.0**	ug/L	1.0	1		02/03/17 19:50	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		02/03/17 19:50	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<1.0**	ug/L	1.0	1		02/03/17 19:50	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	110-57-6	
Ethanol	**<250**	ug/L	250	1		02/03/17 19:50	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:50	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:50	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%.	68-153	1		02/03/17 19:50	17060-07-0	
4-Bromofluorobenzene (S)	99	%.	79-124	1		02/03/17 19:50	460-00-4	
Toluene-d8 (S)	92	%.	69-124	1		02/03/17 19:50	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**82.0**	mg/L	10.0	1		02/08/17 13:59		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.6**	Std. Units	0.10	1		02/04/17 06:36		H6

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ANALYTICAL RESULTS

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Sample: EFFLUENT #1 **Lab ID: 7010537003** Collected: 02/03/17 11:15 Received: 02/03/17 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	02/06/17 10:56	02/06/17 22:06	7440-41-7	
Iron	**661**	ug/L	100	1	02/06/17 10:56	02/06/17 22:06	7439-89-6	
Manganese	**71.6**	ug/L	10.0	1	02/06/17 10:56	02/06/17 22:06	7439-96-5	
Zinc	**29.4**	ug/L	20.0	1	02/06/17 10:56	02/06/17 22:06	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/17 12:18	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		02/07/17 12:18	7439-89-6	
Manganese, Dissolved	**68.0**	ug/L	10.0	1		02/07/17 12:18	7439-96-5	
Zinc, Dissolved	**26.8**	ug/L	20.0	1		02/07/17 12:18	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	594-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		02/03/17 19:30	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		02/03/17 19:30	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	107-06-2	
Trichloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		02/03/17 19:30	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	100-41-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		02/03/17 19:30	1330-20-7	

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(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Sample: EFFLUENT #1 **Lab ID: 7010537003** Collected: 02/03/17 11:15 Received: 02/03/17 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		02/03/17 19:30	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	106-43-4	
1,2,4-Trimethylbenzene	**1.5**	ug/L	1.0	1		02/03/17 19:30	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	98-06-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	87-61-6	L2
2-Butanone (MEK)	**<1.0**	ug/L	1.0	1		02/03/17 19:30	78-93-3	
2-Hexanone	**<1.0**	ug/L	1.0	1		02/03/17 19:30	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		02/03/17 19:30	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<1.0**	ug/L	1.0	1		02/03/17 19:30	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	110-57-6	
Ethanol	**<250**	ug/L	250	1		02/03/17 19:30	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		02/03/17 19:30	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		02/03/17 19:30	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%.	68-153	1		02/03/17 19:30	17060-07-0	
4-Bromofluorobenzene (S)	99	%.	79-124	1		02/03/17 19:30	460-00-4	
Toluene-d8 (S)	89	%.	69-124	1		02/03/17 19:30	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**112**	mg/L	10.0	1		02/08/17 13:59		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.7**	Std. Units	0.10	1		02/04/17 06:36		H6

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QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

QC Batch: 12873 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7010537001, 7010537002, 7010537003

METHOD BLANK: 64437 Matrix: Water
Associated Lab Samples: 7010537001, 7010537002, 7010537003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	02/07/17 11:42	
Iron, Dissolved	ug/L	<100	100	02/07/17 11:42	
Manganese, Dissolved	ug/L	<10.0	10.0	02/07/17 11:42	
Zinc, Dissolved	ug/L	<20.0	20.0	02/07/17 11:42	

LABORATORY CONTROL SAMPLE: 64438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	49.4	99	85-115	
Iron, Dissolved	ug/L	2000	2030	102	85-115	
Manganese, Dissolved	ug/L	250	246	98	85-115	
Zinc, Dissolved	ug/L	1000	998	100	85-115	

MATRIX SPIKE SAMPLE: 64441

Parameter	Units	7010537001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	51.2	102	70-130	
Iron, Dissolved	ug/L	228	2000	2360	106	70-130	
Manganese, Dissolved	ug/L	70.1	250	321	100	70-130	
Zinc, Dissolved	ug/L	67.4	1000	1090	102	70-130	

SAMPLE DUPLICATE: 64440

Parameter	Units	7010537001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	228	230	1	
Manganese, Dissolved	ug/L	70.1	70.0	0	
Zinc, Dissolved	ug/L	67.4	67.0	1	

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QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

QC Batch: 12786 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7010537001, 7010537002, 7010537003

METHOD BLANK: 64036 Matrix: Water
Associated Lab Samples: 7010537001, 7010537002, 7010537003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	02/06/17 20:45	
Iron	ug/L	<100	100	02/06/17 20:45	
Manganese	ug/L	<10.0	10.0	02/06/17 20:45	
Zinc	ug/L	<20.0	20.0	02/06/17 20:45	

LABORATORY CONTROL SAMPLE: 64037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	50.6	101	85-115	
Iron	ug/L	2000	2040	102	85-115	
Manganese	ug/L	250	248	99	85-115	
Zinc	ug/L	1000	1010	101	85-115	

MATRIX SPIKE SAMPLE: 64039

Parameter	Units	30209459001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	ND	50	52.9	106	70-130	
Iron	ug/L	ND	2000	2100	105	70-130	
Manganese	ug/L	ND	250	259	103	70-130	
Zinc	ug/L	ND	1000	1050	105	70-130	

MATRIX SPIKE SAMPLE: 64041

Parameter	Units	7010496001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	52.4	105	70-130	
Iron	ug/L	200	2000	2300	105	70-130	
Manganese	ug/L	190	250	444	102	70-130	
Zinc	ug/L	<20.0	1000	1040	104	70-130	

SAMPLE DUPLICATE: 64038

Parameter	Units	30209459001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	ND	<5.0		
Iron	ug/L	ND	<100		
Manganese	ug/L	ND	<10.0		

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QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

SAMPLE DUPLICATE: 64038

Parameter	Units	30209459001 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	ND	<20.0		

SAMPLE DUPLICATE: 64040

Parameter	Units	7010496001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	200	202	1	
Manganese	ug/L	190	193	2	
Zinc	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

QC Batch: 12776 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7010537001, 7010537002, 7010537003

METHOD BLANK: 63983 Matrix: Water
Associated Lab Samples: 7010537001, 7010537002, 7010537003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	02/03/17 14:25	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	02/03/17 14:25	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	02/03/17 14:25	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	02/03/17 14:25	
1,1-Dichloroethane	ug/L	<1.0	1.0	02/03/17 14:25	
1,1-Dichloroethene	ug/L	<1.0	1.0	02/03/17 14:25	
1,1-Dichloropropene	ug/L	<1.0	1.0	02/03/17 14:25	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	02/03/17 14:25	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	02/03/17 14:25	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	02/03/17 14:25	
1,2-Dichloroethane	ug/L	<1.0	1.0	02/03/17 14:25	
1,2-Dichloropropane	ug/L	<1.0	1.0	02/03/17 14:25	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	02/03/17 14:25	
1,3-Dichloropropane	ug/L	<1.0	1.0	02/03/17 14:25	
1,4-Diethylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	02/03/17 14:25	
2-Butanone (MEK)	ug/L	<1.0	1.0	02/03/17 14:25	
2-Chlorotoluene	ug/L	<1.0	1.0	02/03/17 14:25	
2-Hexanone	ug/L	<1.0	1.0	02/03/17 14:25	
4-Chlorotoluene	ug/L	<1.0	1.0	02/03/17 14:25	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	1.0	02/03/17 14:25	
Acetone	ug/L	<5.0	5.0	02/03/17 14:25	
Benzene	ug/L	<1.0	1.0	02/03/17 14:25	
Bromobenzene	ug/L	<1.0	1.0	02/03/17 14:25	
Bromochloromethane	ug/L	<1.0	1.0	02/03/17 14:25	
Bromodichloromethane	ug/L	<1.0	1.0	02/03/17 14:25	
Bromoform	ug/L	<1.0	1.0	02/03/17 14:25	
Bromomethane	ug/L	<1.0	1.0	02/03/17 14:25	
Carbon disulfide	ug/L	<1.0	1.0	02/03/17 14:25	
Carbon tetrachloride	ug/L	<1.0	1.0	02/03/17 14:25	
Chlorobenzene	ug/L	<1.0	1.0	02/03/17 14:25	
Chlorodifluoromethane	ug/L	<1.0	1.0	02/03/17 14:25	N3
Chloroethane	ug/L	<1.0	1.0	02/03/17 14:25	
Chloroform	ug/L	<1.0	1.0	02/03/17 14:25	
Chloromethane	ug/L	<1.0	1.0	02/03/17 14:25	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	02/03/17 14:25	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	02/03/17 14:25	
Dibromochloromethane	ug/L	<1.0	1.0	02/03/17 14:25	

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QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

METHOD BLANK: 63983 Matrix: Water
Associated Lab Samples: 7010537001, 7010537002, 7010537003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	02/03/17 14:25	
Dichlorodifluoromethane	ug/L	<1.0	1.0	02/03/17 14:25	
Ethanol	ug/L	<250	250	02/03/17 14:25	
Ethylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	02/03/17 14:25	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	02/03/17 14:25	
Methylene Chloride	ug/L	<1.0	1.0	02/03/17 14:25	
n-Butylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	
n-Propylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	
p-Isopropyltoluene	ug/L	<1.0	1.0	02/03/17 14:25	
sec-Butylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	
Styrene	ug/L	<1.0	1.0	02/03/17 14:25	
tert-Butylbenzene	ug/L	<1.0	1.0	02/03/17 14:25	
Tetrachloroethene	ug/L	<1.0	1.0	02/03/17 14:25	
Toluene	ug/L	<1.0	1.0	02/03/17 14:25	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	02/03/17 14:25	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	02/03/17 14:25	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	02/03/17 14:25	
Trichloroethene	ug/L	<1.0	1.0	02/03/17 14:25	
Vinyl chloride	ug/L	<1.0	1.0	02/03/17 14:25	
Xylene (Total)	ug/L	<1.0	1.0	02/03/17 14:25	
1,2-Dichloroethane-d4 (S)	%.	86	68-153	02/03/17 14:25	
4-Bromofluorobenzene (S)	%.	96	79-124	02/03/17 14:25	
Toluene-d8 (S)	%.	90	69-124	02/03/17 14:25	

LABORATORY CONTROL SAMPLE: 63984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.6	93	74-113	
1,1,1-Trichloroethane	ug/L	50	41.9	84	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	48.9	98	74-121	
1,1,2-Trichloroethane	ug/L	50	51.0	102	80-117	
1,1-Dichloroethane	ug/L	50	51.6	103	83-151	
1,1-Dichloroethene	ug/L	50	42.1	84	45-146	
1,1-Dichloropropene	ug/L	50	43.3	87	59-127	
1,2,3-Trichlorobenzene	ug/L	50	21.3	43	67-103	L0
1,2,3-Trichloropropane	ug/L	50	49.2	98	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	40.0	80	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	43.3	87	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	55.2	110	83-115	
1,2-Dichloroethane	ug/L	50	56.5	113	74-129	
1,2-Dichloropropane	ug/L	50	51.0	102	75-117	
1,3,5-Trimethylbenzene	ug/L	50	41.2	82	67-116	
1,3-Dichlorobenzene	ug/L	50	42.7	85	71-112	

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QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

LABORATORY CONTROL SAMPLE: 63984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	51.5	103	74-112	
1,4-Diethylbenzene	ug/L	50	38.8	78	56-130	N3
2,2-Dichloropropane	ug/L	50	44.7	89	63-133	
2-Butanone (MEK)	ug/L	50	62.0	124	44-162	
2-Chlorotoluene	ug/L	50	42.0	84	74-101	
2-Hexanone	ug/L	50	53.8	108	32-183	
4-Chlorotoluene	ug/L	50	44.9	90	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	56.3	113	69-132	
Acetone	ug/L	50	46.0	92	23-188	
Benzene	ug/L	50	49.5	99	73-119	
Bromobenzene	ug/L	50	42.9	86	72-102	
Bromochloromethane	ug/L	50	51.7	103	81-116	
Bromodichloromethane	ug/L	50	47.8	96	78-117	
Bromoform	ug/L	50	54.2	108	65-122	
Bromomethane	ug/L	50	38.6	77	52-147	
Carbon disulfide	ug/L	50	38.4	77	41-144	
Carbon tetrachloride	ug/L	50	40.5	81	59-120	
Chlorobenzene	ug/L	50	46.8	94	75-113	
Chlorodifluoromethane	ug/L	50	40.8	82	43-140	N3
Chloroethane	ug/L	50	46.7	93	49-151	
Chloroform	ug/L	50	55.1	110	72-122	
Chloromethane	ug/L	50	69.6	139	46-144	
cis-1,2-Dichloroethene	ug/L	50	52.2	104	72-121	
cis-1,3-Dichloropropene	ug/L	50	54.0	108	78-116	
Dibromochloromethane	ug/L	50	50.6	101	70-120	
Dibromomethane	ug/L	50	53.5	107	75-125	
Dichlorodifluoromethane	ug/L	50	27.5	55	22-154	
Ethanol	ug/L	1250	1090	87	10-151	
Ethylbenzene	ug/L	50	45.5	91	70-113	
Hexachloro-1,3-butadiene	ug/L	50	33.9	68	59-121	
Isopropylbenzene (Cumene)	ug/L	50	41.0	82	67-115	
Methylene Chloride	ug/L	50	48.8	98	61-142	
n-Butylbenzene	ug/L	50	39.5	79	73-107	
n-Propylbenzene	ug/L	50	40.9	82	68-116	
p-Isopropyltoluene	ug/L	50	37.2	74	73-101	
sec-Butylbenzene	ug/L	50	39.3	79	72-103	
Styrene	ug/L	50	48.8	98	72-118	
tert-Butylbenzene	ug/L	50	38.5	77	68-100	
Tetrachloroethene	ug/L	50	34.9	70	60-128	
Toluene	ug/L	50	47.9	96	72-119	
trans-1,2-Dichloroethene	ug/L	50	54.4	109	56-142	
trans-1,3-Dichloropropene	ug/L	50	58.2	116	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	46.6	93	71-121	
Trichloroethene	ug/L	50	45.9	92	69-117	
Vinyl chloride	ug/L	50	45.7	91	43-143	
Xylene (Total)	ug/L	150	137	91	71-109	
1,2-Dichloroethane-d4 (S)	%.			96	68-153	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

LABORATORY CONTROL SAMPLE: 63984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			102	79-124	
Toluene-d8 (S)	%.			91	69-124	

MATRIX SPIKE SAMPLE: 63986

Parameter	Units	7010472004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L			37.4			
1,1,1-Trichloroethane	ug/L			43.7			
1,1,2,2-Tetrachloroethane	ug/L			39.2			
1,1,2-Trichloroethane	ug/L			43.6			
1,1-Dichloroethane	ug/L			47.9			
1,1-Dichloroethene	ug/L			45.7			
1,1-Dichloropropene	ug/L			43.9			
1,2,3-Trichlorobenzene	ug/L			19.0			
1,2,3-Trichloropropane	ug/L			36.3			
1,2,4,5-tetramethylbenzene	ug/L			35.3			N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	39.6	79	68-116	
1,2-Dibromoethane (EDB)	ug/L			43.9			
1,2-Dichloroethane	ug/L			45.1			
1,2-Dichloropropane	ug/L			45.1			
1,3,5-Trimethylbenzene	ug/L	<1.0	50	38.1	76	67-116	
1,3-Dichlorobenzene	ug/L			37.2			
1,3-Dichloropropane	ug/L			38.5			
1,4-Diethylbenzene	ug/L			37.9			N3
2,2-Dichloropropane	ug/L			43.4			
2-Butanone (MEK)	ug/L			45.9			
2-Chlorotoluene	ug/L			39.3			
2-Hexanone	ug/L			38.3			
4-Chlorotoluene	ug/L			40.2			
4-Methyl-2-pentanone (MIBK)	ug/L			44.9			
Acetone	ug/L			38.7			
Benzene	ug/L	<1.0	50	48.0	96	73-119	
Bromobenzene	ug/L			37.4			
Bromochloromethane	ug/L			42.1			
Bromodichloromethane	ug/L			42.4			
Bromoform	ug/L			37.6			
Bromomethane	ug/L			34.7			
Carbon disulfide	ug/L			41.0			
Carbon tetrachloride	ug/L			41.4			
Chlorobenzene	ug/L			39.6			
Chlorodifluoromethane	ug/L			42.9			N3
Chloroethane	ug/L			47.4			
Chloroform	ug/L			49.8			
Chloromethane	ug/L			66.4			
cis-1,2-Dichloroethene	ug/L			51.3			

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

MATRIX SPIKE SAMPLE: 63986

Parameter	Units	7010472004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L			44.0			
Dibromochloromethane	ug/L			36.3			
Dibromomethane	ug/L			42.0			
Dichlorodifluoromethane	ug/L			28.4			
Ethanol	ug/L			1240			
Ethylbenzene	ug/L	<1.0	50	40.9	82	70-113	
Hexachloro-1,3-butadiene	ug/L			30.3			
Isopropylbenzene (Cumene)	ug/L	<1.0	50	39.1	78	67-115	
Methylene Chloride	ug/L			46.3			
n-Butylbenzene	ug/L	<1.0	50	38.5	77	73-107	
n-Propylbenzene	ug/L	<1.0	50	39.3	79	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	35.6	71	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	38.0	76	72-103	
Styrene	ug/L			40.4			
tert-Butylbenzene	ug/L	<1.0	50	36.6	73	68-100	
Tetrachloroethene	ug/L			33.8			
Toluene	ug/L	<1.0	50	46.3	93	72-119	
trans-1,2-Dichloroethene	ug/L			49.7			
trans-1,3-Dichloropropene	ug/L			45.8			
trans-1,4-Dichloro-2-butene	ug/L			37.7			
Trichloroethene	ug/L			44.4			
Vinyl chloride	ug/L			48.1			
Xylene (Total)	ug/L			121			
1,2-Dichloroethane-d4 (S)	%.				94	68-153	
4-Bromofluorobenzene (S)	%.				95	79-124	
Toluene-d8 (S)	%.				86	69-124	

SAMPLE DUPLICATE: 63985

Parameter	Units	7010472003 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L		<1.0		
1,1,1-Trichloroethane	ug/L		<1.0		
1,1,2,2-Tetrachloroethane	ug/L		<1.0		
1,1,2-Trichloroethane	ug/L		<1.0		
1,1-Dichloroethane	ug/L		<1.0		
1,1-Dichloroethene	ug/L		<1.0		
1,1-Dichloropropene	ug/L		<1.0		
1,2,3-Trichlorobenzene	ug/L		<1.0		
1,2,3-Trichloropropane	ug/L		<1.0		
1,2,4,5-tetramethylbenzene	ug/L		<1.0		N3
1,2,4-Trimethylbenzene	ug/L	4.6	4.8	4	
1,2-Dibromoethane (EDB)	ug/L		<1.0		
1,2-Dichloroethane	ug/L		<1.0		
1,2-Dichloropropane	ug/L		<1.0		
1,3,5-Trimethylbenzene	ug/L	1.1	1.0	2	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

SAMPLE DUPLICATE: 63985

Parameter	Units	7010472003 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L		<1.0		
1,3-Dichloropropane	ug/L		<1.0		
1,4-Diethylbenzene	ug/L		<1.0		N3
2,2-Dichloropropane	ug/L		<1.0		
2-Butanone (MEK)	ug/L		<1.0		
2-Chlorotoluene	ug/L		<1.0		
2-Hexanone	ug/L		<1.0		
4-Chlorotoluene	ug/L		<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L		<1.0		
Acetone	ug/L		<5.0		
Benzene	ug/L	<1.0	1.0		
Bromobenzene	ug/L		<1.0		
Bromochloromethane	ug/L		<1.0		
Bromodichloromethane	ug/L		<1.0		
Bromoform	ug/L		<1.0		
Bromomethane	ug/L		<1.0		
Carbon disulfide	ug/L		<1.0		
Carbon tetrachloride	ug/L		<1.0		
Chlorobenzene	ug/L		<1.0		
Chlorodifluoromethane	ug/L		<1.0		N3
Chloroethane	ug/L		<1.0		
Chloroform	ug/L		<1.0		
Chloromethane	ug/L		<1.0		
cis-1,2-Dichloroethene	ug/L		<1.0		
cis-1,3-Dichloropropene	ug/L		<1.0		
Dibromochloromethane	ug/L		<1.0		
Dibromomethane	ug/L		<1.0		
Dichlorodifluoromethane	ug/L		<1.0		
Ethanol	ug/L		<250		
Ethylbenzene	ug/L	4.7	4.9	5	
Hexachloro-1,3-butadiene	ug/L		<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L		<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L		<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L		<1.0		
Toluene	ug/L	10.2	10.3	2	
trans-1,2-Dichloroethene	ug/L		<1.0		
trans-1,3-Dichloropropene	ug/L		<1.0		
trans-1,4-Dichloro-2-butene	ug/L		<1.0		
Trichloroethene	ug/L		<1.0		
Vinyl chloride	ug/L		<1.0		
Xylene (Total)	ug/L		12.4		

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

SAMPLE DUPLICATE: 63985

Parameter	Units	7010472003 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	91	87	4	
4-Bromofluorobenzene (S)	%.	96	98	2	
Toluene-d8 (S)	%.	88	90	2	

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QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

QC Batch: 13138 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7010537001, 7010537002, 7010537003

METHOD BLANK: 65685 Matrix: Water
Associated Lab Samples: 7010537001, 7010537002, 7010537003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	02/08/17 13:53	

LABORATORY CONTROL SAMPLE: 65686

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	464	93	85-115	

MATRIX SPIKE SAMPLE: 65688

Parameter	Units	7010479001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	186	300	491	102	75-125	

MATRIX SPIKE SAMPLE: 65690

Parameter	Units	7010718001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	653	300	969	105	75-125	

SAMPLE DUPLICATE: 65687

Parameter	Units	7010479001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	186	178	4	

SAMPLE DUPLICATE: 65689

Parameter	Units	7010718001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	653	647	1	

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(631)694-3040

QUALITY CONTROL DATA

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

QC Batch: 12705 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 7010537001, 7010537002, 7010537003

SAMPLE DUPLICATE: 63767

Parameter	Units	7010537001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.8	4.9	0	H6

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WIRE TO WATER MONTHLY
Pace Project No.: 7010537

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7010537001	**INFLUENT #1**	EPA 200.7	12786	EPA 200.7	12838
7010537002	**INFLUENT #2**	EPA 200.7	12786	EPA 200.7	12838
7010537003	**EFFLUENT #1**	EPA 200.7	12786	EPA 200.7	12838
7010537001	**INFLUENT #1**	EPA 200.7	12873		
7010537002	**INFLUENT #2**	EPA 200.7	12873		
7010537003	**EFFLUENT #1**	EPA 200.7	12873		
7010537001	**INFLUENT #1**	EPA 8260C/5030C	12776		
7010537002	**INFLUENT #2**	EPA 8260C/5030C	12776		
7010537003	**EFFLUENT #1**	EPA 8260C/5030C	12776		
7010537001	**INFLUENT #1**	SM22 2540C	13138		
7010537002	**INFLUENT #2**	SM22 2540C	13138		
7010537003	**EFFLUENT #1**	SM22 2540C	13138		
7010537001	**INFLUENT #1**	EPA 9040C	12705		
7010537002	**INFLUENT #2**	EPA 9040C	12705		
7010537003	**EFFLUENT #1**	EPA 9040C	12705		

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1-29-17

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accu

WO#:7010537

Pace Analytical
www.pacelabs.com

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Wire to Water	Report To:	Fairchild - Mairoll Corp	Attention:	Donald Miller
Address:	136 Gazza Blvd.	Copy To:	Wire to Water	Company Name:	Fairchild Mairoll Corp
	Farmingdale NY 11735			Address:	1600 Tysons Blvd. Suite 100 McLean V
Email To:	Paul@wiretowater.com	Purchase Order No.:		Pace Quote Reference:	PH:(703)478-5800
Phone:	(631) 777-7310 Fax: (631) 777-7312	Project Name:		Pace Project Manager:	Fax:(703) 478-5775
Requested Due Date/TAT:		Project Number:		Pace Profile #:	

RE[illegible]7010537[illegible]

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

Requested Analysis Filtered (Y/N)

REFERENCE LAB# 14124338

Section D Required Client Information

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	40ml-VOC+Freon	TDS	+	PH	Total Metals(Fe,Mn,Zn)	Dissolved Mets(Fe,Mn,Zn)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	INFLUENT #1		G			2/3	10:45	5°	5									Y	2	1			1	1		001
2	INFLUENT #2		G			2/3	11:00		5									Y	1	1			1	1		002
3	EFFLUENT #1		G			2/3	11:15		5									Y								003
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Bonnici	2-3-17	11:50		2/3/17	11:50	11.3	Y	N	Y

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	James Bonnici					
SIGNATURE of SAMPLER:	James Bonnici	DATE Signed (MM/DD/YY):				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical

Sample Condition Upon Rec

WO#: 7010537

PM: JDS Due Date: 02/14/17

CLIENT: FAIR

Client Name: Wire to Water

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Optional: Proj. Due Date: Proj. Name:

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: TH077 TH078 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 11.3

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 2/3/17 JR

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix SL WT OIL		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	Initial when completed: / Lot # of added preservative: / Date and Time preservative added:
Exceptions: VOA, micro, TOC, O&G		
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Field Data Required? Y / N

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.00

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

March 13, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: WIRE TO WATER
Pace Project No.: 7012433

Dear James:

Enclosed are the analytical results for sample(s) received by the laboratory on March 02, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Elaine, Fairchild Corporation
Paul, Wire to Water Electrical Contractors
Stuart Skopicki, Wire to Water Electrical Contractors

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: WIRE TO WATER
Pace Project No.: 7012433

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER
Pace Project No.: 7012433

Sample: INFLUENT #1 **Lab ID: 7012433001** Collected: 03/01/17 12:00 Received: 03/02/17 10:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Iron	**794**	ug/L	100	1	03/03/17 09:41	03/08/17 01:31	7439-89-6	
Manganese	**80.0**	ug/L	10.0	1	03/03/17 09:41	03/08/17 01:31	7439-96-5	
Zinc	**71.4**	ug/L	20.0	1	03/03/17 09:41	03/08/17 01:31	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Iron, Dissolved	**<100**	ug/L	100	1		03/11/17 11:39	7439-89-6	
Manganese, Dissolved	**69.9**	ug/L	10.0	1		03/11/17 11:39	7439-96-5	
Zinc, Dissolved	**120**	ug/L	20.0	1		03/11/17 11:39	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		03/03/17 20:09	67-64-1	
Benzene	**2.6**	ug/L	1.0	1		03/03/17 20:09	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/03/17 20:09	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	74-83-9	
2-Butanone (MEK)	**<1.0**	ug/L	1.0	1		03/03/17 20:09	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/03/17 20:09	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/03/17 20:09	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		03/03/17 20:09	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	74-87-3	L2
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/03/17 20:09	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	75-71-8	
1,1-Dichloroethane	**20.9**	ug/L	1.0	1		03/03/17 20:09	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	107-06-2	
1,1-Dichloroethene	**8.3**	ug/L	1.0	1		03/03/17 20:09	75-35-4	
cis-1,2-Dichloroethene	**1.9**	ug/L	1.0	1		03/03/17 20:09	156-59-2	
trans-1,2-Dichloroethene	**254**	ug/L	5.0	5		03/06/17 15:17	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	10061-01-5	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER
Pace Project No.: 7012433

Sample: INFLUENT #1 **Lab ID: 7012433001** Collected: 03/01/17 12:00 Received: 03/02/17 10:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		03/03/17 20:09	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	87-68-3	
2-Hexanone	**<1.0**	ug/L	1.0	1		03/03/17 20:09	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/03/17 20:09	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/03/17 20:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<1.0**	ug/L	1.0	1		03/03/17 20:09	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	79-34-5	
Tetrachloroethene	**474**	ug/L	5.0	5		03/06/17 15:17	127-18-4	D6
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	79-00-5	
Trichloroethene	**127**	ug/L	1.0	1		03/03/17 20:09	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 20:09	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 20:09	108-67-8	
Vinyl chloride	**28.3**	ug/L	1.0	1		03/03/17 20:09	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		03/03/17 20:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%.	68-153	1		03/03/17 20:09	17060-07-0	
4-Bromofluorobenzene (S)	100	%.	79-124	1		03/03/17 20:09	460-00-4	
Toluene-d8 (S)	103	%.	69-124	1		03/03/17 20:09	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**116**	mg/L	10.0	1		03/06/17 16:29		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**5.3**	Std. Units	0.10	1		03/04/17 05:20		H3,H6

03/01/2017 Influent Data
Total CVOC- 912.5 ppb

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER
Pace Project No.: 7012433

Sample: INFLUENT #2 **Lab ID: 7012433002** Collected: 03/01/17 12:15 Received: 03/02/17 10:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Iron	**759**	ug/L	100	1	03/03/17 09:41	03/08/17 01:36	7439-89-6	
Manganese	**80.2**	ug/L	10.0	1	03/03/17 09:41	03/08/17 01:36	7439-96-5	
Zinc	**27.3**	ug/L	20.0	1	03/03/17 09:41	03/08/17 01:36	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Iron, Dissolved	**<100**	ug/L	100	1		03/11/17 11:44	7439-89-6	
Manganese, Dissolved	**67.4**	ug/L	10.0	1		03/11/17 11:44	7439-96-5	
Zinc, Dissolved	**26.4**	ug/L	20.0	1		03/11/17 11:44	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		03/03/17 19:48	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	74-83-9	
2-Butanone (MEK)	**<1.0**	ug/L	1.0	1		03/03/17 19:48	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/03/17 19:48	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		03/03/17 19:48	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	74-87-3	L2
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/03/17 19:48	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	156-59-2	
trans-1,2-Dichloroethene	**1.2**	ug/L	1.0	1		03/03/17 19:48	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	10061-01-5	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER
Pace Project No.: 7012433

Sample: INFLUENT #2 **Lab ID: 7012433002** Collected: 03/01/17 12:15 Received: 03/02/17 10:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		03/03/17 19:48	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	87-68-3	
2-Hexanone	**<1.0**	ug/L	1.0	1		03/03/17 19:48	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/03/17 19:48	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<1.0**	ug/L	1.0	1		03/03/17 19:48	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 19:48	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:48	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/03/17 19:48	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		03/03/17 19:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%.	68-153	1		03/03/17 19:48	17060-07-0	
4-Bromofluorobenzene (S)	97	%.	79-124	1		03/03/17 19:48	460-00-4	
Toluene-d8 (S)	101	%.	69-124	1		03/03/17 19:48	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**128**	mg/L	10.0	1		03/06/17 16:30		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.5**	Std. Units	0.10	1		03/04/17 05:22		H3,H6

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER
Pace Project No.: 7012433

Sample: EFFLUENT #1 **Lab ID: 7012433003** Collected: 03/01/17 12:30 Received: 03/02/17 10:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Iron	**740**	ug/L	100	1	03/03/17 09:41	03/08/17 01:41	7439-89-6	
Manganese	**80.6**	ug/L	10.0	1	03/03/17 09:41	03/08/17 01:41	7439-96-5	
Zinc	**28.9**	ug/L	20.0	1	03/03/17 09:41	03/08/17 01:41	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Iron, Dissolved	**<100**	ug/L	100	1		03/11/17 11:49	7439-89-6	
Manganese, Dissolved	**66.0**	ug/L	10.0	1		03/11/17 11:49	7439-96-5	
Zinc, Dissolved	**23.0**	ug/L	20.0	1		03/11/17 11:49	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		03/03/17 19:28	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	74-83-9	
2-Butanone (MEK)	**<1.0**	ug/L	1.0	1		03/03/17 19:28	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/03/17 19:28	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		03/03/17 19:28	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	74-87-3	L2
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		03/03/17 19:28	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	10061-01-5	

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(631)694-3040

ANALYTICAL RESULTS

Project: WIRE TO WATER
Pace Project No.: 7012433

Sample: EFFLUENT #1 **Lab ID: 7012433003** Collected: 03/01/17 12:30 Received: 03/02/17 10:26 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		03/03/17 19:28	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	87-68-3	
2-Hexanone	**<1.0**	ug/L	1.0	1		03/03/17 19:28	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		03/03/17 19:28	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<1.0**	ug/L	1.0	1		03/03/17 19:28	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		03/03/17 19:28	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		03/03/17 19:28	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/03/17 19:28	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		03/03/17 19:28	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	68-153	1		03/03/17 19:28	17060-07-0	
4-Bromofluorobenzene (S)	100	%.	79-124	1		03/03/17 19:28	460-00-4	
Toluene-d8 (S)	100	%.	69-124	1		03/03/17 19:28	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**124**	mg/L	10.0	1		03/06/17 16:30		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.6**	Std. Units	0.10	1		03/04/17 05:22		H3,H6

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QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

QC Batch: 16652 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7012433001, 7012433002, 7012433003

METHOD BLANK: 80595 Matrix: Water
Associated Lab Samples: 7012433001, 7012433002, 7012433003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<100	100	03/11/17 11:29	
Manganese, Dissolved	ug/L	<10.0	10.0	03/11/17 11:29	
Zinc, Dissolved	ug/L	<20.0	20.0	03/11/17 11:29	

LABORATORY CONTROL SAMPLE: 80596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	2000	2110	105	85-115	
Manganese, Dissolved	ug/L	250	247	99	85-115	
Zinc, Dissolved	ug/L	1000	1070	107	85-115	

MATRIX SPIKE SAMPLE: 80598

Parameter	Units	7012433003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	<100	5000	5110	102	70-130	
Manganese, Dissolved	ug/L	66.0	625	696	101	70-130	
Zinc, Dissolved	ug/L	23.0	2500	2630	104	70-130	

SAMPLE DUPLICATE: 80597

Parameter	Units	7012433003 Result	Dup Result	RPD	Qualifiers
Iron, Dissolved	ug/L	<100	<100		
Manganese, Dissolved	ug/L	66.0	65.9	0	
Zinc, Dissolved	ug/L	23.0	23.1	1	

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QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

QC Batch: 15749 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7012433001, 7012433002, 7012433003

METHOD BLANK: 76651 Matrix: Water
Associated Lab Samples: 7012433001, 7012433002, 7012433003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	03/07/17 23:43	
Manganese	ug/L	<10.0	10.0	03/07/17 23:43	
Zinc	ug/L	<20.0	20.0	03/07/17 23:43	

LABORATORY CONTROL SAMPLE: 76652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	1990	100	85-115	
Manganese	ug/L	250	256	103	85-115	
Zinc	ug/L	1000	1010	101	85-115	

MATRIX SPIKE SAMPLE: 76654

Parameter	Units	7012183001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2380	2000	4400	101	70-130	
Manganese	ug/L	24.4	250	301	111	70-130	
Zinc	ug/L	26.9	1000	1210	119	70-130	

MATRIX SPIKE SAMPLE: 76656

Parameter	Units	7012458001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	902	2000	3070	108	70-130	
Manganese	ug/L	48.9	250	330	112	70-130	
Zinc	ug/L	0.20 mg/L	1000	1310	112	70-130	

SAMPLE DUPLICATE: 76653

Parameter	Units	7012183001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	2380	2350	1	
Manganese	ug/L	24.4	24.3	1	
Zinc	ug/L	26.9	25.9	4	

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QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

SAMPLE DUPLICATE: 76655

Parameter	Units	7012458001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	902	892	1	
Manganese	ug/L	48.9	48.0	2	
Zinc	ug/L	0.20 mg/L	194	1	

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QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

QC Batch: 15741 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7012433001, 7012433002, 7012433003

METHOD BLANK: 76615 Matrix: Water
Associated Lab Samples: 7012433001, 7012433002, 7012433003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/03/17 12:33	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/03/17 12:33	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/03/17 12:33	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/03/17 12:33	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/03/17 12:33	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	03/03/17 12:33	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/03/17 12:33	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/03/17 12:33	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	03/03/17 12:33	
2-Butanone (MEK)	ug/L	<1.0	1.0	03/03/17 12:33	
2-Hexanone	ug/L	<1.0	1.0	03/03/17 12:33	
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	1.0	03/03/17 12:33	
Acetone	ug/L	<5.0	5.0	03/03/17 12:33	
Benzene	ug/L	<1.0	1.0	03/03/17 12:33	
Bromodichloromethane	ug/L	<1.0	1.0	03/03/17 12:33	
Bromoform	ug/L	<1.0	1.0	03/03/17 12:33	
Bromomethane	ug/L	<1.0	1.0	03/03/17 12:33	
Carbon disulfide	ug/L	<1.0	1.0	03/03/17 12:33	
Carbon tetrachloride	ug/L	<1.0	1.0	03/03/17 12:33	
Chlorobenzene	ug/L	<1.0	1.0	03/03/17 12:33	
Chloroethane	ug/L	<1.0	1.0	03/03/17 12:33	
Chloroform	ug/L	<1.0	1.0	03/03/17 12:33	
Chloromethane	ug/L	<1.0	1.0	03/03/17 12:33	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	03/03/17 12:33	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/03/17 12:33	
Dibromochloromethane	ug/L	<1.0	1.0	03/03/17 12:33	
Dichlorodifluoromethane	ug/L	<1.0	1.0	03/03/17 12:33	
Ethylbenzene	ug/L	<1.0	1.0	03/03/17 12:33	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	03/03/17 12:33	
Methylene Chloride	ug/L	<1.0	1.0	03/03/17 12:33	
Styrene	ug/L	<1.0	1.0	03/03/17 12:33	
Tetrachloroethene	ug/L	<1.0	1.0	03/03/17 12:33	
Toluene	ug/L	<1.0	1.0	03/03/17 12:33	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	03/03/17 12:33	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/03/17 12:33	
Trichloroethene	ug/L	<1.0	1.0	03/03/17 12:33	
Vinyl chloride	ug/L	<1.0	1.0	03/03/17 12:33	
Xylene (Total)	ug/L	<1.0	1.0	03/03/17 12:33	
1,2-Dichloroethane-d4 (S)	%.	93	68-153	03/03/17 12:33	
4-Bromofluorobenzene (S)	%.	102	79-124	03/03/17 12:33	
Toluene-d8 (S)	%.	102	69-124	03/03/17 12:33	

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QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

LABORATORY CONTROL SAMPLE: 76616

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.1	92	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	51.9	104	74-121	
1,1,2-Trichloroethane	ug/L	50	50.2	100	80-117	
1,1-Dichloroethane	ug/L	50	52.3	105	83-151	
1,1-Dichloroethene	ug/L	50	42.2	84	45-146	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	83-115	
1,2-Dichloroethane	ug/L	50	52.0	104	74-129	
1,2-Dichloropropane	ug/L	50	52.7	105	75-117	
1,3-Dichlorobenzene	ug/L	50	47.8	96	71-112	
2-Butanone (MEK)	ug/L	50	54.6	109	44-162	
2-Hexanone	ug/L	50	49.2	98	32-183	
4-Methyl-2-pentanone (MIBK)	ug/L	50	53.9	108	69-132	
Acetone	ug/L	50	37.4	75	23-188	
Benzene	ug/L	50	54.0	108	73-119	
Bromodichloromethane	ug/L	50	49.1	98	78-117	
Bromoform	ug/L	50	53.2	106	65-122	
Bromomethane	ug/L	50	35.6	71	52-147	
Carbon disulfide	ug/L	50	42.1	84	41-144	
Carbon tetrachloride	ug/L	50	46.1	92	59-120	
Chlorobenzene	ug/L	50	47.8	96	75-113	
Chloroethane	ug/L	50	48.6	97	49-151	
Chloroform	ug/L	50	54.4	109	72-122	
Chloromethane	ug/L	50	13.2	26	46-144	L2
cis-1,2-Dichloroethene	ug/L	50	54.4	109	72-121	
cis-1,3-Dichloropropene	ug/L	50	53.5	107	78-116	
Dibromochloromethane	ug/L	50	48.3	97	70-120	
Dichlorodifluoromethane	ug/L	50	43.9	88	22-154	
Ethylbenzene	ug/L	50	50.2	100	70-113	
Isopropylbenzene (Cumene)	ug/L	50	48.2	96	67-115	
Methylene Chloride	ug/L	50	44.5	89	61-142	
Styrene	ug/L	50	50.8	102	72-118	
Tetrachloroethene	ug/L	50	42.6	85	60-128	
Toluene	ug/L	50	53.0	106	72-119	
trans-1,2-Dichloroethene	ug/L	50	53.7	107	56-142	
trans-1,3-Dichloropropene	ug/L	50	54.6	109	79-116	
Trichloroethene	ug/L	50	48.8	98	69-117	
Vinyl chloride	ug/L	50	50.7	101	43-143	
Xylene (Total)	ug/L	150	149	99	71-109	
1,2-Dichloroethane-d4 (S)	%.			88	68-153	
4-Bromofluorobenzene (S)	%.			99	79-124	
Toluene-d8 (S)	%.			103	69-124	

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QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

SAMPLE DUPLICATE: 77196

Parameter	Units	7012433001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	20.9	23.5	12	
1,1-Dichloroethene	ug/L	8.3	8.8	6	
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<1.0	<1.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<1.0	<1.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<1.0	<1.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	2.6	2.7	6	
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	1.9	1.7	10	
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

SAMPLE DUPLICATE: 77196

Parameter	Units	7012433001 Result	Dup Result	RPD	Qualifiers
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	474	683	36	D6
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	254	273	7	
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	127	147	14	
Vinyl chloride	ug/L	28.3	32.2	13	
Xylene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloroethane-d4 (S)	%.	85	87	3	
4-Bromofluorobenzene (S)	%.	100	105	5	
Toluene-d8 (S)	%.	103	104	1	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

QC Batch: 15908 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7012433001, 7012433002, 7012433003

METHOD BLANK: 77480 Matrix: Water
Associated Lab Samples: 7012433001, 7012433002, 7012433003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	03/06/17 16:15	

LABORATORY CONTROL SAMPLE: 77481

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	490	98	85-115	

MATRIX SPIKE SAMPLE: 77483

Parameter	Units	7012315001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	210	300	497	96	75-125	

MATRIX SPIKE SAMPLE: 77485

Parameter	Units	7012381001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	224	300	520	99	75-125	

SAMPLE DUPLICATE: 77482

Parameter	Units	7012315001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	210	199	5	

SAMPLE DUPLICATE: 77484

Parameter	Units	7012381001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	224	214	5	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: WIRE TO WATER
Pace Project No.: 7012433

QC Batch: 15789 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 7012433001, 7012433002, 7012433003

SAMPLE DUPLICATE: 77063

Parameter	Units	7012481001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.8	7.8	0	H3,H6

SAMPLE DUPLICATE: 77064

Parameter	Units	7012481005 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.7	0	H3,H6

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: WIRE TO WATER
Pace Project No.: 7012433

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WIRE TO WATER
Pace Project No.: 7012433

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7012433001	**INFLUENT #1**	EPA 200.7	15749	EPA 200.7	15759
7012433002	**INFLUENT #2**	EPA 200.7	15749	EPA 200.7	15759
7012433003	**EFFLUENT #1**	EPA 200.7	15749	EPA 200.7	15759
7012433001	**INFLUENT #1**	EPA 200.7	16652		
7012433002	**INFLUENT #2**	EPA 200.7	16652		
7012433003	**EFFLUENT #1**	EPA 200.7	16652		
7012433001	**INFLUENT #1**	EPA 8260C/5030C	15741		
7012433002	**INFLUENT #2**	EPA 8260C/5030C	15741		
7012433003	**EFFLUENT #1**	EPA 8260C/5030C	15741		
7012433001	**INFLUENT #1**	SM22 2540C	15908		
7012433002	**INFLUENT #2**	SM22 2540C	15908		
7012433003	**EFFLUENT #1**	SM22 2540C	15908		
7012433001	**INFLUENT #1**	EPA 9040C	15789		
7012433002	**INFLUENT #2**	EPA 9040C	15789		
7012433003	**EFFLUENT #1**	EPA 9040C	15789		

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Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

3-1-17

WO#: 7012433

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed a

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Wire to Water	Report To:	Fairchild - Mairoll Corp	Attention:	Donald Miller
Address:	136 Gazza Blvd.	Copy To:	Wire to Water	Company Name:	Fairchild Mairoll Corp
	Farmingdale NY 11735			Address:	1600 Tysons Blvd. Suite 100 McLean V
Email To:	Paul@wiretowater.com	Purchase Order No.:		Pace Quote Reference:	PH:(703)478-5800
Phone:	(631) 777-7310 Fax: (631) 777-7312	Project Name:		Pace Project Manager:	Fax:(703) 478-5775
Requested Due Date/TAT:		Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

REF-LAB # 141L438

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	40ml-VOC+Freon	TDS	PH	Total Metals(Fe,Mn,Zn)	Dissolved Mets(Fe,Mn,Zn)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	INFLUENT #1			G			3-1	12:00		5										2	1			1		
2	INFLUENT # 2			G			3-1	12:15		↓										1	1			1		
3	EFFLUENT #1			G			3-1	12:30												1	1			1		
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Bonnici	3-2-17	10:26		3/2/17	1026	6.°	Y	N	Y

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	James Bonnici					
SIGNATURE of SAMPLER:	James Bonnici	DATE Signed (MM/DD/YY): 3-1-17				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Rec

WO#:7012433

PM: JDS Due Date: 03/13/17
CLIENT: FAIR

Pace Analytical

Client Name: _____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Optional
Proj. Due Date:
Proj. Name:

Tracking #: _____ Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: TH078 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 6.0

Date and Initials of person examining contents: 3/9/17 DSJ

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix SL (WT) OIL		
All containers needing preservation have been checked.	☑Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A	Initial when completed: / Lot # of added preservative: / Date and Time preservative added:
Exceptions: VOA, micro, TOC, O&G		
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Field Data Required? Y / N

Client Notification/ Resolution: _____ Date/Time: _____

Person Contacted: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.00

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

May 12, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: MONTHLY 5/3
Pace Project No.: 7017649

Dear James:
Enclosed are the analytical results for sample(s) received by the laboratory on May 03, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: MONTHLY 5/3
Pace Project No.: 7017649

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 5/3
Pace Project No.: 7017649

Sample: INFLUENT #1 **Lab ID: 7017649001** Collected: 05/03/17 12:00 Received: 05/03/17 13:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	05/05/17 08:39	05/08/17 14:32	7440-41-7	
Iron	**615**	ug/L	100	1	05/05/17 08:39	05/08/17 14:32	7439-89-6	
Manganese	**79.1**	ug/L	10.0	1	05/05/17 08:39	05/08/17 14:32	7439-96-5	
Zinc	**156**	ug/L	20.0	1	05/05/17 08:39	05/08/17 14:32	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		05/12/17 12:13	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		05/12/17 12:13	7439-89-6	
Manganese, Dissolved	**72.4**	ug/L	10.0	1		05/12/17 12:13	7439-96-5	
Zinc, Dissolved	**140**	ug/L	20.0	1		05/12/17 12:13	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		05/05/17 15:33	67-64-1	CC
Benzene	**2.0**	ug/L	1.0	1		05/05/17 15:33	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/05/17 15:33	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	74-83-9	CC,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/05/17 15:33	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/05/17 15:33	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/05/17 15:33	56-23-5	L1
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/05/17 15:33	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	74-87-3	CC
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	124-48-1	L1
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		05/05/17 15:33	106-93-4	L1
Dibromomethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	110-57-6	CC
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	75-71-8	
1,1-Dichloroethane	**14.5**	ug/L	1.0	1		05/05/17 15:33	75-34-3	L2
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	107-06-2	L2
1,1-Dichloroethene	**7.6**	ug/L	1.0	1		05/05/17 15:33	75-35-4	
cis-1,2-Dichloroethene	**187**	ug/L	1.0	1		05/05/17 15:33	156-59-2	
trans-1,2-Dichloroethene	**1.9**	ug/L	1.0	1		05/05/17 15:33	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	594-20-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 5/3
Pace Project No.: 7017649

Sample: INFLUENT #1 **Lab ID: 7017649001** Collected: 05/03/17 12:00 Received: 05/03/17 13:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		05/05/17 15:33	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/05/17 15:33	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/05/17 15:33	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/05/17 15:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/05/17 15:33	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	79-34-5	
Tetrachloroethene	**601**	ug/L	5.0	5		05/05/17 15:58	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	79-00-5	
Trichloroethene	**114**	ug/L	1.0	1		05/05/17 15:33	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 15:33	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:33	108-67-8	
Vinyl chloride	**20.9**	ug/L	1.0	1		05/05/17 15:33	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		05/05/17 15:33	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%.	68-153	1		05/05/17 15:33	17060-07-0	
4-Bromofluorobenzene (S)	109	%.	79-124	1		05/05/17 15:33	460-00-4	
Toluene-d8 (S)	110	%.	69-124	1		05/05/17 15:33	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**119**	mg/L	10.0	1		05/08/17 16:05		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**5.1**	Std. Units	0.10	1		05/04/17 12:20		H3,H6

05/03/2017 Influent Data
Total CVOC- 1097 ppb

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 5/3
Pace Project No.: 7017649

Sample: INFLUENT #2 **Lab ID: 7017649002** Collected: 05/03/17 12:15 Received: 05/03/17 13:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	05/05/17 08:39	05/08/17 14:37	7440-41-7	
Iron	**674**	ug/L	100	1	05/05/17 08:39	05/08/17 14:37	7439-89-6	
Manganese	**76.7**	ug/L	10.0	1	05/05/17 08:39	05/08/17 14:37	7439-96-5	
Zinc	**27.6**	ug/L	20.0	1	05/05/17 08:39	05/08/17 14:37	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		05/12/17 12:32	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		05/12/17 12:32	7439-89-6	
Manganese, Dissolved	**62.3**	ug/L	10.0	1		05/12/17 12:32	7439-96-5	
Zinc, Dissolved	**26.0**	ug/L	20.0	1		05/12/17 12:32	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		05/05/17 15:15	67-64-1	CC
Benzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	74-83-9	CC,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/05/17 15:15	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/05/17 15:15	56-23-5	L1
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/05/17 15:15	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	74-87-3	CC
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	124-48-1	L1
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		05/05/17 15:15	106-93-4	L1
Dibromomethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	110-57-6	CC
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-34-3	L2
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	107-06-2	L2
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-35-4	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	1		05/05/17 15:15	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	594-20-7	

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 5/3
Pace Project No.: 7017649

Sample: INFLUENT #2 **Lab ID: 7017649002** Collected: 05/03/17 12:15 Received: 05/03/17 13:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		05/05/17 15:15	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/05/17 15:15	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/05/17 15:15	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/05/17 15:15	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 15:15	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 15:15	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/05/17 15:15	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		05/05/17 15:15	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%.	68-153	1		05/05/17 15:15	17060-07-0	
4-Bromofluorobenzene (S)	110	%.	79-124	1		05/05/17 15:15	460-00-4	
Toluene-d8 (S)	110	%.	69-124	1		05/05/17 15:15	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**117**	mg/L	10.0	1		05/08/17 16:05		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.7**	Std. Units	0.10	1		05/04/17 12:22		H3,H6

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 5/3
Pace Project No.: 7017649

Sample: EFFLUENT #1 **Lab ID: 7017649003** Collected: 05/03/17 12:30 Received: 05/03/17 13:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	05/05/17 08:39	05/08/17 14:42	7440-41-7	
Iron	**648**	ug/L	100	1	05/05/17 08:39	05/08/17 14:42	7439-89-6	
Manganese	**76.9**	ug/L	10.0	1	05/05/17 08:39	05/08/17 14:42	7439-96-5	
Zinc	**21.0**	ug/L	20.0	1	05/05/17 08:39	05/08/17 14:42	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		05/12/17 12:37	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		05/12/17 12:37	7439-89-6	
Manganese, Dissolved	**66.1**	ug/L	10.0	1		05/12/17 12:37	7439-96-5	
Zinc, Dissolved	**20.9**	ug/L	20.0	1		05/12/17 12:37	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		05/05/17 14:57	67-64-1	CC
Benzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	74-83-9	CC,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/05/17 14:57	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/05/17 14:57	56-23-5	L1
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/05/17 14:57	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	74-87-3	CC
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	124-48-1	L1
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		05/05/17 14:57	106-93-4	L1
Dibromomethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	110-57-6	CC
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-34-3	L2
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	107-06-2	L2
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	594-20-7	

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ANALYTICAL RESULTS

Project: MONTHLY 5/3
Pace Project No.: 7017649

Sample: EFFLUENT #1 **Lab ID: 7017649003** Collected: 05/03/17 12:30 Received: 05/03/17 13:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		05/05/17 14:57	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/05/17 14:57	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		05/05/17 14:57	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/05/17 14:57	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		05/05/17 14:57	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		05/05/17 14:57	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/05/17 14:57	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		05/05/17 14:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%.	68-153	1		05/05/17 14:57	17060-07-0	
4-Bromofluorobenzene (S)	111	%.	79-124	1		05/05/17 14:57	460-00-4	
Toluene-d8 (S)	111	%.	69-124	1		05/05/17 14:57	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**119**	mg/L	10.0	1		05/08/17 16:05		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.6**	Std. Units	0.10	1		05/04/17 12:24		H3,H6

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QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

QC Batch: 23819 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7017649001, 7017649002, 7017649003

METHOD BLANK: 111720 Matrix: Water
Associated Lab Samples: 7017649001, 7017649002, 7017649003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	05/12/17 12:03	
Iron, Dissolved	ug/L	<100	100	05/12/17 12:03	
Manganese, Dissolved	ug/L	<10.0	10.0	05/12/17 12:03	
Zinc, Dissolved	ug/L	<20.0	20.0	05/12/17 12:03	

LABORATORY CONTROL SAMPLE: 111721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	50.7	101	85-115	
Iron, Dissolved	ug/L	2000	2020	101	85-115	
Manganese, Dissolved	ug/L	250	252	101	85-115	
Zinc, Dissolved	ug/L	1000	1000	100	85-115	

MATRIX SPIKE SAMPLE: 111723

Parameter	Units	7017649001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	45.0	90	70-130	
Iron, Dissolved	ug/L	<100	2000	1800	89	70-130	
Manganese, Dissolved	ug/L	72.4	250	298	90	70-130	
Zinc, Dissolved	ug/L	140	1000	1020	88	70-130	

SAMPLE DUPLICATE: 111722

Parameter	Units	7017649001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	<100	<100		
Manganese, Dissolved	ug/L	72.4	73.2	1	
Zinc, Dissolved	ug/L	140	142	2	

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QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

QC Batch: 23089 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7017649001, 7017649002, 7017649003

METHOD BLANK: 108792 Matrix: Water
Associated Lab Samples: 7017649001, 7017649002, 7017649003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	05/08/17 13:28	
Iron	ug/L	<100	100	05/08/17 13:28	
Manganese	ug/L	<10.0	10.0	05/08/17 13:28	
Zinc	ug/L	<20.0	20.0	05/08/17 13:28	

LABORATORY CONTROL SAMPLE: 108793

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	53.3	107	85-115	
Iron	ug/L	2000	2080	104	85-115	
Manganese	ug/L	250	261	105	85-115	
Zinc	ug/L	1000	1030	103	85-115	

MATRIX SPIKE SAMPLE: 108795

Parameter	Units	7017573001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	51.4	103	70-130	
Iron	ug/L	6080	2000	7970	94	70-130	
Manganese	ug/L	378	250	621	97	70-130	
Zinc	ug/L	1060	1000	2040	97	70-130	

SAMPLE DUPLICATE: 108794

Parameter	Units	7017573001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	6080	5850	4	
Manganese	ug/L	378	368	3	
Zinc	ug/L	1060	1050	1	

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QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

QC Batch: 23081 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7017649001, 7017649002, 7017649003

METHOD BLANK: 108720 Matrix: Water
Associated Lab Samples: 7017649001, 7017649002, 7017649003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	05/05/17 10:29	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	05/05/17 10:29	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	05/05/17 10:29	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	05/05/17 10:29	
1,1-Dichloroethane	ug/L	<1.0	1.0	05/05/17 10:29	
1,1-Dichloroethene	ug/L	<1.0	1.0	05/05/17 10:29	
1,1-Dichloropropene	ug/L	<1.0	1.0	05/05/17 10:29	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	05/05/17 10:29	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	05/05/17 10:29	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	05/05/17 10:29	
1,2-Dichloroethane	ug/L	<1.0	1.0	05/05/17 10:29	
1,2-Dichloropropane	ug/L	<1.0	1.0	05/05/17 10:29	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	05/05/17 10:29	
1,3-Dichloropropane	ug/L	<1.0	1.0	05/05/17 10:29	
1,4-Diethylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	05/05/17 10:29	
2-Butanone (MEK)	ug/L	<5.0	5.0	05/05/17 10:29	
2-Chlorotoluene	ug/L	<1.0	1.0	05/05/17 10:29	
2-Hexanone	ug/L	<5.0	5.0	05/05/17 10:29	
4-Chlorotoluene	ug/L	<1.0	1.0	05/05/17 10:29	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	05/05/17 10:29	
Acetone	ug/L	<5.0	5.0	05/05/17 10:29	CC
Benzene	ug/L	<1.0	1.0	05/05/17 10:29	
Bromobenzene	ug/L	<1.0	1.0	05/05/17 10:29	
Bromochloromethane	ug/L	<1.0	1.0	05/05/17 10:29	
Bromodichloromethane	ug/L	<1.0	1.0	05/05/17 10:29	
Bromoform	ug/L	<1.0	1.0	05/05/17 10:29	
Bromomethane	ug/L	<1.0	1.0	05/05/17 10:29	CC
Carbon disulfide	ug/L	<1.0	1.0	05/05/17 10:29	
Carbon tetrachloride	ug/L	<1.0	1.0	05/05/17 10:29	
Chlorobenzene	ug/L	<1.0	1.0	05/05/17 10:29	
Chlorodifluoromethane	ug/L	<1.0	1.0	05/05/17 10:29	N3
Chloroethane	ug/L	<1.0	1.0	05/05/17 10:29	
Chloroform	ug/L	<1.0	1.0	05/05/17 10:29	
Chloromethane	ug/L	<1.0	1.0	05/05/17 10:29	CC
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	05/05/17 10:29	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	05/05/17 10:29	
Dibromochloromethane	ug/L	<1.0	1.0	05/05/17 10:29	

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QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

METHOD BLANK: 108720 Matrix: Water
Associated Lab Samples: 7017649001, 7017649002, 7017649003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	05/05/17 10:29	
Dichlorodifluoromethane	ug/L	<1.0	1.0	05/05/17 10:29	
Ethanol	ug/L	<250	250	05/05/17 10:29	
Ethylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	05/05/17 10:29	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	05/05/17 10:29	
Methylene Chloride	ug/L	<1.0	1.0	05/05/17 10:29	
n-Butylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	
n-Propylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	
p-Isopropyltoluene	ug/L	<1.0	1.0	05/05/17 10:29	
sec-Butylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	
Styrene	ug/L	<1.0	1.0	05/05/17 10:29	
tert-Butylbenzene	ug/L	<1.0	1.0	05/05/17 10:29	
Tetrachloroethene	ug/L	<1.0	1.0	05/05/17 10:29	
Toluene	ug/L	<1.0	1.0	05/05/17 10:29	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	05/05/17 10:29	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	05/05/17 10:29	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	05/05/17 10:29	CC
Trichloroethene	ug/L	<1.0	1.0	05/05/17 10:29	
Vinyl chloride	ug/L	<1.0	1.0	05/05/17 10:29	
Xylene (Total)	ug/L	<2.0	2.0	05/05/17 10:29	
1,2-Dichloroethane-d4 (S)	%.	87	68-153	05/05/17 10:29	
4-Bromofluorobenzene (S)	%.	123	79-124	05/05/17 10:29	
Toluene-d8 (S)	%.	106	69-124	05/05/17 10:29	

LABORATORY CONTROL SAMPLE: 108721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	49.8	55.8	112	74-113	
1,1,1-Trichloroethane	ug/L	49.8	44.3	89	65-118	
1,1,2,2-Tetrachloroethane	ug/L	49.8	45.0	90	74-121	
1,1,2-Trichloroethane	ug/L	49.8	45.8	92	80-117	
1,1-Dichloroethane	ug/L	49.8	35.6	71	83-151	L2
1,1-Dichloroethene	ug/L	49.8	38.5	77	45-146	
1,1-Dichloropropene	ug/L	49.8	39.2	79	59-127	
1,2,3-Trichlorobenzene	ug/L	49.8	46.7	94	67-103	
1,2,3-Trichloropropane	ug/L	49.8	47.8	96	71-123	
1,2,4,5-tetramethylbenzene	ug/L	49.8	47.4	95	66-103	N3
1,2,4-Trimethylbenzene	ug/L	49.8	42.6	85	68-116	
1,2-Dibromoethane (EDB)	ug/L	49.8	59.4	119	83-115	CC,L1
1,2-Dichloroethane	ug/L	49.8	35.5	71	74-129	L2
1,2-Dichloropropane	ug/L	49.8	41.5	83	75-117	
1,3,5-Trimethylbenzene	ug/L	49.8	41.8	84	67-116	
1,3-Dichlorobenzene	ug/L	49.8	46.5	93	71-112	

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QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

LABORATORY CONTROL SAMPLE: 108721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	49.8	47.6	96	74-112	
1,4-Diethylbenzene	ug/L	49.8	40.1	80	56-130	N3
2,2-Dichloropropane	ug/L	49.8	48.9	98	63-133	CC
2-Butanone (MEK)	ug/L	49.8	50.0	100	44-162	
2-Chlorotoluene	ug/L	49.8	43.2	87	74-101	
2-Hexanone	ug/L	49.8	37.8	76	32-183	
4-Chlorotoluene	ug/L	49.8	43.3	87	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	49.8	38.9	78	69-132	
Acetone	ug/L	49.8	43.4	87	23-188	CC
Benzene	ug/L	49.8	44.4	89	73-119	
Bromobenzene	ug/L	49.8	48.0	96	72-102	
Bromochloromethane	ug/L	49.8	43.4	87	81-116	
Bromodichloromethane	ug/L	49.8	50.2	101	78-117	
Bromoform	ug/L	49.8	58.2	117	65-122	
Bromomethane	ug/L	49.8	23.8	48	52-147	CC,L2
Carbon disulfide	ug/L	49.8	36.2	73	41-144	
Carbon tetrachloride	ug/L	49.8	60.0	121	59-120	CC,L1
Chlorobenzene	ug/L	49.8	49.6	100	75-113	
Chlorodifluoromethane	ug/L	49.8	28.2	57	43-140	N3
Chloroethane	ug/L	49.8	33.9	68	49-151	
Chloroform	ug/L	49.8	39.6	80	72-122	
Chloromethane	ug/L	49.8	25.2	51	46-144	CC
cis-1,2-Dichloroethene	ug/L	49.8	39.5	79	72-121	
cis-1,3-Dichloropropene	ug/L	49.8	50.8	102	78-116	
Dibromochloromethane	ug/L	49.8	70.5	142	70-120	CC,L1
Dibromomethane	ug/L	49.8	44.5	89	75-125	
Dichlorodifluoromethane	ug/L	49.8	25.5	51	22-154	
Ethanol	ug/L	1240	1030	83	10-151	
Ethylbenzene	ug/L	49.8	47.0	94	70-113	
Hexachloro-1,3-butadiene	ug/L	49.8	44.0	88	59-121	
Isopropylbenzene (Cumene)	ug/L	49.8	42.1	84	67-115	
Methylene Chloride	ug/L	49.8	42.9	86	61-142	
n-Butylbenzene	ug/L	49.8	36.9	74	73-107	
n-Propylbenzene	ug/L	49.8	40.2	81	68-116	
p-Isopropyltoluene	ug/L	49.8	40.7	82	73-101	
sec-Butylbenzene	ug/L	49.8	39.0	78	72-103	
Styrene	ug/L	49.8	50.0	100	72-118	
tert-Butylbenzene	ug/L	49.8	41.0	82	68-100	
Tetrachloroethene	ug/L	49.8	49.3	99	60-128	
Toluene	ug/L	49.8	44.2	89	72-119	
trans-1,2-Dichloroethene	ug/L	49.8	39.4	79	56-142	
trans-1,3-Dichloropropene	ug/L	49.8	45.1	91	79-116	
trans-1,4-Dichloro-2-butene	ug/L	49.8	41.4	83	71-121	CC
Trichloroethene	ug/L	49.8	45.4	91	69-117	
Vinyl chloride	ug/L	49.8	31.7	64	43-143	
Xylene (Total)	ug/L	149	142	95	71-109	
1,2-Dichloroethane-d4 (S)	%.			94	68-153	

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QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

LABORATORY CONTROL SAMPLE: 108721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			123	79-124	
Toluene-d8 (S)	%.			122	69-124	

MATRIX SPIKE SAMPLE: 109048

Parameter	Units	7017774001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	48.1	96	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	41.8	84	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	43.2	86	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	42.6	85	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	33.6	67	83-151	M0
1,1-Dichloroethene	ug/L	<1.0	50	37.1	74	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	38.4	77	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	42.6	85	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	46.9	94	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	44.0	88	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	40.3	81	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	54.1	108	83-115	CC
1,2-Dichloroethane	ug/L	<1.0	50	32.9	66	74-129	M0
1,2-Dichloropropane	ug/L	<1.0	50	38.7	77	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	40.6	81	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	43.1	86	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	43.4	87	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	38.5	77	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	44.5	89	63-133	CC
2-Butanone (MEK)	ug/L	<5.0	50	47.4	95	44-162	
2-Chlorotoluene	ug/L	<1.0	50	41.0	82	74-101	
2-Hexanone	ug/L	<5.0	50	34.7	69	32-183	
4-Chlorotoluene	ug/L	<1.0	50	40.8	82	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	38.0	76	69-132	
Acetone	ug/L	<5.0	50	31.5	60	23-188	CC
Benzene	ug/L	<1.0	50	41.3	83	73-119	
Bromobenzene	ug/L	<1.0	50	44.5	89	72-102	
Bromochloromethane	ug/L	<1.0	50	38.9	78	81-116	M1
Bromodichloromethane	ug/L	<1.0	50	43.6	87	78-117	
Bromoform	ug/L	<1.0	50	48.4	97	65-122	
Bromomethane	ug/L	<1.0	50	20.1	40	52-147	CC,M0
Carbon disulfide	ug/L	4.9	50	36.1	62	41-144	
Carbon tetrachloride	ug/L	<1.0	50	54.7	109	59-120	CC
Chlorobenzene	ug/L	<1.0	50	45.0	90	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	28.9	58	43-140	N3
Chloroethane	ug/L	<1.0	50	32.7	65	49-151	
Chloroform	ug/L	<1.0	50	37.5	75	72-122	
Chloromethane	ug/L	<1.0	50	25.1	50	46-144	CC
cis-1,2-Dichloroethene	ug/L	<1.0	50	37.0	74	72-121	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

MATRIX SPIKE SAMPLE: 109048

Parameter	Units	7017774001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	44.3	89	78-116	
Dibromochloromethane	ug/L	<1.0	50	58.7	117	70-120	CC
Dibromomethane	ug/L	<1.0	50	40.7	81	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	26.2	52	22-154	
Ethanol	ug/L	<250	1250	1060	85	10-151	
Ethylbenzene	ug/L	<1.0	50	43.6	87	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	36.5	73	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	41.4	83	67-115	
Methylene Chloride	ug/L	<1.0	50	39.2	78	61-142	
n-Butylbenzene	ug/L	<1.0	50	35.1	70	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	39.6	79	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	39.2	78	73-101	
sec-Butylbenzene	ug/L	<1.0	50	38.6	77	72-103	
Styrene	ug/L	<1.0	50	44.9	90	72-118	
tert-Butylbenzene	ug/L	<1.0	50	40.0	80	68-100	
Tetrachloroethene	ug/L	<1.0	50	46.6	93	60-128	
Toluene	ug/L	<1.0	50	41.0	82	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	37.3	75	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	39.7	79	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	38.9	78	71-121	CC
Trichloroethene	ug/L	<1.0	50	43.4	87	69-117	
Vinyl chloride	ug/L	<1.0	50	31.4	63	43-143	
Xylene (Total)	ug/L	<2.0	150	130	87	71-109	
1,2-Dichloroethane-d4 (S)	%.				90	68-153	
4-Bromofluorobenzene (S)	%.				111	79-124	
Toluene-d8 (S)	%.				110	69-124	

SAMPLE DUPLICATE: 109049

Parameter	Units	7017774001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.1		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.5		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

SAMPLE DUPLICATE: 109049

Parameter	Units	7017774001 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	2.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		CC
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		CC
Carbon disulfide	ug/L	4.9	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		CC
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		CC
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<2.0	<2.0		

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

SAMPLE DUPLICATE: 109049

Parameter	Units	7017774001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	88	87	1	
4-Bromofluorobenzene (S)	%.	109	108	1	
Toluene-d8 (S)	%.	109	109	1	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

QC Batch: 23325 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7017649001, 7017649002, 7017649003

METHOD BLANK: 109648 Matrix: Water
Associated Lab Samples: 7017649001, 7017649002, 7017649003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	05/08/17 15:54	

LABORATORY CONTROL SAMPLE: 109649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	470	94	85-115	

MATRIX SPIKE SAMPLE: 109651

Parameter	Units	7017946001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	197	300	491	98	75-125	

MATRIX SPIKE SAMPLE: 109653

Parameter	Units	7017604001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	542	600	1120	96	75-125	

SAMPLE DUPLICATE: 109650

Parameter	Units	7017946001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	197	204	3	

SAMPLE DUPLICATE: 109652

Parameter	Units	7017604001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	542	532	2	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 5/3
Pace Project No.: 7017649

QC Batch: 22899 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 7017649001, 7017649002, 7017649003

SAMPLE DUPLICATE: 108075

Parameter	Units	7017649001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	5.1	5.1	0	H3,H6

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QUALIFIERS

Project: MONTHLY 5/3
Pace Project No.: 7017649

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 5/3
Pace Project No.: 7017649

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7017649001	**INFLUENT #1**	EPA 200.7	23089	EPA 200.7	23097
7017649002	**INFLUENT #2**	EPA 200.7	23089	EPA 200.7	23097
7017649003	**EFFLUENT #1**	EPA 200.7	23089	EPA 200.7	23097
7017649001	**INFLUENT #1**	EPA 200.7	23819		
7017649002	**INFLUENT #2**	EPA 200.7	23819		
7017649003	**EFFLUENT #1**	EPA 200.7	23819		
7017649001	**INFLUENT #1**	EPA 8260C/5030C	23081		
7017649002	**INFLUENT #2**	EPA 8260C/5030C	23081		
7017649003	**EFFLUENT #1**	EPA 8260C/5030C	23081		
7017649001	**INFLUENT #1**	SM22 2540C	23325		
7017649002	**INFLUENT #2**	SM22 2540C	23325		
7017649003	**EFFLUENT #1**	SM22 2540C	23325		
7017649001	**INFLUENT #1**	EPA 9040C	22899		
7017649002	**INFLUENT #2**	EPA 9040C	22899		
7017649003	**EFFLUENT #1**	EPA 9040C	22899		

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5-3-17

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accur

WO#:7017649

REC 7017649

Pace Analytical
www.pacelabs.com

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Wire to Water	Report To:	Fairchild - Mairoll Corp	Attention:	Donald Miller
Address:	136 Gazza Blvd.	Copy To:	Wire to Water	Company Name:	Fairchild Mairoll Corp
	Farmingdale NY 11735			Address:	1600 Tysons Blvd. Suite 100 McLean V
Email To:	Paul@wiretowater.com	Purchase Order No.:		Pace Quote Reference:	PH:(703)478-5800
Phone:	(631) 777-7310 Fax: (631) 777-7312	Project Name:	monthly	Pace Project Manager:	Fax:(703) 478-5775
Requested Due Date/TAT:		Project Number:		Pace Profile #:	5055

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

LAB REF # 1412438

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	40ml-VOC+Freon	TDS	PH	Total Metals(Fe,Mn,Zn)	Dissolved Mets(Fe,Mn,Zn)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	InfLUENT#1		G			5-3	12:00		5										X	X	X	X	X		-001
2	InFLUENT#2		G			5-3	12:15		5										↓	↓	↓	↓	↓		-002
3	EFFLUENT#1		G			5-3	12:30		5										↓	↓	↓	↓	↓		-003
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Bonnici	5/3/17	13:18		5/3/17	13:18	12.1	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Bonnici

SIGNATURE of SAMPLER: James Bonnici

DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical

Sample Condition Upon Receipt

WO#:7017649

PM: JDS Due Date: 05/12/17

CLIENT: FAIR

Client Name: _____

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Optional
Proj. Due Date:
Proj. Name:

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☒ None ☐ Other _____

Thermometer Used: ~~TH077~~ ~~TH078~~ Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: TH092 12.1

Date and Initials of person examining contents: 5/3/17 PP

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix SL (WT) OIL		
All containers needing preservation have been checked.	☒Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes ☐No ☐N/A	Initial when completed: / Lot # of added preservative:
Exceptions: VOA, micro, TOC, O&G		Date and Time preservative added:
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.00

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 12, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Dear James:
Enclosed are the analytical results for sample(s) received by the laboratory on June 01, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Sample: INFLUENT #1 **Lab ID: 7020148001** Collected: 06/01/17 13:15 Received: 06/01/17 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Iron	**823**	ug/L	100	1	06/02/17 10:14	06/09/17 23:14	7439-89-6	
Manganese	**80.0**	ug/L	10.0	1	06/02/17 10:14	06/09/17 23:14	7439-96-5	
Zinc	**33.1**	ug/L	20.0	1	06/02/17 10:14	06/09/17 23:14	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Iron, Dissolved	**<100**	ug/L	100	1		06/10/17 18:28	7439-89-6	
Manganese, Dissolved	**64.5**	ug/L	10.0	1		06/10/17 18:28	7439-96-5	
Zinc, Dissolved	**39.1**	ug/L	20.0	1		06/10/17 18:28	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<25.0**	ug/L	25.0	5		06/02/17 18:30	67-64-1	
Benzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	71-43-2	
Bromobenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	74-97-5	
Bromodichloromethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	5		06/02/17 18:30	75-25-2	
Bromomethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	74-83-9	
2-Butanone (MEK)	**<25.0**	ug/L	25.0	5		06/02/17 18:30	78-93-3	
n-Butylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	104-51-8	
sec-Butylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	135-98-8	
tert-Butylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	98-06-6	
Carbon disulfide	**<5.0**	ug/L	5.0	5		06/02/17 18:30	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	5.0	5		06/02/17 18:30	56-23-5	
Chlorobenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	108-90-7	
Chlorodifluoromethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	75-45-6	N3
Chloroethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	5		06/02/17 18:30	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	74-87-3	
2-Chlorotoluene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	106-43-4	
Dibromochloromethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	124-48-1	
1,2-Dibromoethane (EDB)	**<5.0**	ug/L	5.0	5		06/02/17 18:30	106-93-4	
Dibromomethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	74-95-3	
1,3-Dichlorobenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	541-73-1	
trans-1,4-Dichloro-2-butene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	110-57-6	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	75-71-8	
1,1-Dichloroethane	**18.7**	ug/L	5.0	5		06/02/17 18:30	75-34-3	L2
1,2-Dichloroethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	107-06-2	
1,1-Dichloroethene	**8.7**	ug/L	5.0	5		06/02/17 18:30	75-35-4	
cis-1,2-Dichloroethene	**289**	ug/L	5.0	5		06/02/17 18:30	156-59-2	
trans-1,2-Dichloroethene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	156-60-5	
1,2-Dichloropropane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	142-28-9	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	594-20-7	
1,1-Dichloropropene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	10061-01-5	

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Sample: INFLUENT #1 **Lab ID: 7020148001** Collected: 06/01/17 13:15 Received: 06/01/17 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	10061-02-6	
1,4-Diethylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	105-05-5	N3
Ethanol	**<1250**	ug/L	1250	5		06/02/17 18:30	64-17-5	
Ethylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	100-41-4	
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	87-68-3	
2-Hexanone	**<25.0**	ug/L	25.0	5		06/02/17 18:30	591-78-6	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	5		06/02/17 18:30	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	99-87-6	
Methylene Chloride	**<5.0**	ug/L	5.0	5		06/02/17 18:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	5		06/02/17 18:30	108-10-1	
n-Propylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	103-65-1	
Styrene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	100-42-5	
1,1,1,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	630-20-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	79-34-5	
Tetrachloroethene	**678**	ug/L	5.0	5		06/02/17 18:30	127-18-4	
1,2,4,5-tetramethylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	95-93-2	N3
Toluene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	108-88-3	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	87-61-6	CC,L2
1,1,1-Trichloroethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	71-55-6	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	79-00-5	
Trichloroethene	**130**	ug/L	5.0	5		06/02/17 18:30	79-01-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	5		06/02/17 18:30	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	5.0	5		06/02/17 18:30	108-67-8	
Vinyl chloride	**28.9**	ug/L	5.0	5		06/02/17 18:30	75-01-4	
Xylene (Total)	**<10.0**	ug/L	10.0	5		06/02/17 18:30	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	68-153	5		06/02/17 18:30	17060-07-0	
4-Bromofluorobenzene (S)	103	%.	79-124	5		06/02/17 18:30	460-00-4	
Toluene-d8 (S)	94	%.	69-124	5		06/02/17 18:30	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**122**	mg/L	10.0	1		06/07/17 14:27		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**4.8**	Std. Units	0.10	1		06/01/17 21:34		H3,H6

06/01/2017 Influent Data
Total CVOC- 1144 ppb

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(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Sample: INFLUENT #2 **Lab ID: 7020148002** Collected: 06/01/17 13:30 Received: 06/01/17 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Iron	**771**	ug/L	100	1	06/02/17 10:14	06/09/17 23:19	7439-89-6	
Manganese	**78.0**	ug/L	10.0	1	06/02/17 10:14	06/09/17 23:19	7439-96-5	
Zinc	**24.0**	ug/L	20.0	1	06/02/17 10:14	06/09/17 23:19	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Iron, Dissolved	**<100**	ug/L	100	1		06/10/17 18:33	7439-89-6	
Manganese, Dissolved	**63.3**	ug/L	10.0	1		06/10/17 18:33	7439-96-5	
Zinc, Dissolved	**21.8**	ug/L	20.0	1		06/10/17 18:33	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		06/02/17 18:51	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/02/17 18:51	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/02/17 18:51	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/02/17 18:51	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/02/17 18:51	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-34-3	L2
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-35-4	
cis-1,2-Dichloroethene	**2.1**	ug/L	1.0	1		06/02/17 18:51	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	10061-01-5	

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ANALYTICAL RESULTS

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Sample: INFLUENT #2 **Lab ID: 7020148002** Collected: 06/01/17 13:30 Received: 06/01/17 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		06/02/17 18:51	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		06/02/17 18:51	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/02/17 18:51	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/02/17 18:51	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	87-61-6	CC,L2
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/02/17 18:51	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 18:51	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/02/17 18:51	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		06/02/17 18:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%.	68-153	1		06/02/17 18:51	17060-07-0	
4-Bromofluorobenzene (S)	99	%.	79-124	1		06/02/17 18:51	460-00-4	
Toluene-d8 (S)	94	%.	69-124	1		06/02/17 18:51	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**113**	mg/L	10.0	1		06/07/17 14:32		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.4**	Std. Units	0.10	1		06/01/17 21:37		H3,H6

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ANALYTICAL RESULTS

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Sample: EFFLUENT #1 **Lab ID: 7020148003** Collected: 06/01/17 13:45 Received: 06/01/17 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Iron	**740**	ug/L	100	1	06/02/17 10:14	06/09/17 23:24	7439-89-6	
Manganese	**78.0**	ug/L	10.0	1	06/02/17 10:14	06/09/17 23:24	7439-96-5	
Zinc	**23.5**	ug/L	20.0	1	06/02/17 10:14	06/09/17 23:24	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Iron, Dissolved	**<100**	ug/L	100	1		06/10/17 18:38	7439-89-6	
Manganese, Dissolved	**65.8**	ug/L	10.0	1		06/10/17 18:38	7439-96-5	
Zinc, Dissolved	**60.7**	ug/L	20.0	1		06/10/17 18:38	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		06/02/17 19:11	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/02/17 19:11	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/02/17 19:11	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/02/17 19:11	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		06/02/17 19:11	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-34-3	L2
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	594-20-7	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	10061-01-5	

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Sample: EFFLUENT #1 **Lab ID: 7020148003** Collected: 06/01/17 13:45 Received: 06/01/17 14:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		06/02/17 19:11	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		06/02/17 19:11	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		06/02/17 19:11	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/02/17 19:11	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	87-61-6	CC,L2
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		06/02/17 19:11	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		06/02/17 19:11	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/02/17 19:11	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		06/02/17 19:11	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%.	68-153	1		06/02/17 19:11	17060-07-0	
4-Bromofluorobenzene (S)	100	%.	79-124	1		06/02/17 19:11	460-00-4	
Toluene-d8 (S)	93	%.	69-124	1		06/02/17 19:11	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**114**	mg/L	10.0	1		06/07/17 14:33		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.6**	Std. Units	0.10	1		06/01/17 21:38		H3,H6

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QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

QC Batch: 26949 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7020148001, 7020148002, 7020148003

METHOD BLANK: 124952 Matrix: Water
Associated Lab Samples: 7020148001, 7020148002, 7020148003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Dissolved	ug/L	<100	100	06/10/17 17:49	
Manganese, Dissolved	ug/L	<10.0	10.0	06/10/17 17:49	
Zinc, Dissolved	ug/L	<20.0	20.0	06/10/17 17:49	

LABORATORY CONTROL SAMPLE: 124953

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	2000	1890	95	85-115	
Manganese, Dissolved	ug/L	250	242	97	85-115	
Zinc, Dissolved	ug/L	1000	982	98	85-115	

MATRIX SPIKE SAMPLE: 124956

Parameter	Units	7019414001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	<100	2000	1680	84	70-130	
Manganese, Dissolved	ug/L	525	250	723	80	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	897	88	70-130	

SAMPLE DUPLICATE: 124955

Parameter	Units	7019414001 Result	Dup Result	RPD	Qualifiers
Iron, Dissolved	ug/L	<100	<100		
Manganese, Dissolved	ug/L	525	536	2	
Zinc, Dissolved	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

QC Batch: 26378 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7020148001, 7020148002, 7020148003

METHOD BLANK: 122383 Matrix: Water
Associated Lab Samples: 7020148001, 7020148002, 7020148003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	06/08/17 14:20	
Manganese	ug/L	<10.0	10.0	06/08/17 14:20	
Zinc	ug/L	<20.0	20.0	06/08/17 14:20	

LABORATORY CONTROL SAMPLE: 122384

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2000	2060	103	85-115	
Manganese	ug/L	250	260	104	85-115	
Zinc	ug/L	1000	1020	102	85-115	

MATRIX SPIKE SAMPLE: 122387

Parameter	Units	7019858001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	352	2000	2420	103	70-130	
Manganese	ug/L	28.2	250	287	103	70-130	
Zinc	ug/L	0.036 mg/L	1000	1080	104	70-130	

MATRIX SPIKE SAMPLE: 122389

Parameter	Units	7019858003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	310	2000	2390	104	70-130	
Manganese	ug/L	66.3	250	327	104	70-130	
Zinc	ug/L	0.45 mg/L	1000	1470	102	70-130	

SAMPLE DUPLICATE: 122385

Parameter	Units	7019858001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	352	345	2	
Manganese	ug/L	28.2	29.1	3	
Zinc	ug/L	0.036 mg/L	36.5	2	

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QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

SAMPLE DUPLICATE: 122388

Parameter	Units	7019858003 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	310	322	4	
Manganese	ug/L	66.3	66.0	0	
Zinc	ug/L	0.45 mg/L	457	2	

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QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

QC Batch: 26469 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7020148001, 7020148002, 7020148003

METHOD BLANK: 122770 Matrix: Water
Associated Lab Samples: 7020148001, 7020148002, 7020148003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	06/02/17 12:35	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/02/17 12:35	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/02/17 12:35	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/02/17 12:35	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/02/17 12:35	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/02/17 12:35	
1,1-Dichloropropene	ug/L	<1.0	1.0	06/02/17 12:35	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	06/02/17 12:35	CC
1,2,3-Trichloropropane	ug/L	<1.0	1.0	06/02/17 12:35	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	06/02/17 12:35	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/02/17 12:35	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/02/17 12:35	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/02/17 12:35	
1,3-Dichloropropane	ug/L	<1.0	1.0	06/02/17 12:35	
1,4-Diethylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	06/02/17 12:35	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/02/17 12:35	
2-Chlorotoluene	ug/L	<1.0	1.0	06/02/17 12:35	
2-Hexanone	ug/L	<5.0	5.0	06/02/17 12:35	
4-Chlorotoluene	ug/L	<1.0	1.0	06/02/17 12:35	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/02/17 12:35	
Acetone	ug/L	<5.0	5.0	06/02/17 12:35	
Benzene	ug/L	<1.0	1.0	06/02/17 12:35	
Bromobenzene	ug/L	<1.0	1.0	06/02/17 12:35	
Bromochloromethane	ug/L	<1.0	1.0	06/02/17 12:35	
Bromodichloromethane	ug/L	<1.0	1.0	06/02/17 12:35	
Bromoform	ug/L	<1.0	1.0	06/02/17 12:35	
Bromomethane	ug/L	<1.0	1.0	06/02/17 12:35	
Carbon disulfide	ug/L	<1.0	1.0	06/02/17 12:35	
Carbon tetrachloride	ug/L	<1.0	1.0	06/02/17 12:35	
Chlorobenzene	ug/L	<1.0	1.0	06/02/17 12:35	
Chlorodifluoromethane	ug/L	<1.0	1.0	06/02/17 12:35	N3
Chloroethane	ug/L	<1.0	1.0	06/02/17 12:35	
Chloroform	ug/L	<1.0	1.0	06/02/17 12:35	
Chloromethane	ug/L	<1.0	1.0	06/02/17 12:35	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	06/02/17 12:35	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/02/17 12:35	
Dibromochloromethane	ug/L	<1.0	1.0	06/02/17 12:35	

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QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

METHOD BLANK: 122770 Matrix: Water
Associated Lab Samples: 7020148001, 7020148002, 7020148003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	06/02/17 12:35	
Dichlorodifluoromethane	ug/L	<1.0	1.0	06/02/17 12:35	
Ethanol	ug/L	<250	250	06/02/17 12:35	
Ethylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	06/02/17 12:35	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	06/02/17 12:35	
Methylene Chloride	ug/L	<1.0	1.0	06/02/17 12:35	
n-Butylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	
n-Propylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	
p-Isopropyltoluene	ug/L	<1.0	1.0	06/02/17 12:35	
sec-Butylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	
Styrene	ug/L	<1.0	1.0	06/02/17 12:35	
tert-Butylbenzene	ug/L	<1.0	1.0	06/02/17 12:35	
Tetrachloroethene	ug/L	<1.0	1.0	06/02/17 12:35	
Toluene	ug/L	<1.0	1.0	06/02/17 12:35	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	06/02/17 12:35	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/02/17 12:35	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	06/02/17 12:35	
Trichloroethene	ug/L	<1.0	1.0	06/02/17 12:35	
Vinyl chloride	ug/L	<1.0	1.0	06/02/17 12:35	
Xylene (Total)	ug/L	<2.0	2.0	06/02/17 12:35	
1,2-Dichloroethane-d4 (S)	%.	92	68-153	06/02/17 12:35	
4-Bromofluorobenzene (S)	%.	96	79-124	06/02/17 12:35	
Toluene-d8 (S)	%.	90	69-124	06/02/17 12:35	

LABORATORY CONTROL SAMPLE: 122771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	43.5	87	74-113	
1,1,1-Trichloroethane	ug/L	50	43.4	87	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	41.3	83	74-121	
1,1,2-Trichloroethane	ug/L	50	50.0	100	80-117	
1,1-Dichloroethane	ug/L	50	39.7	79	83-151	L2
1,1-Dichloroethene	ug/L	50	34.7	69	45-146	
1,1-Dichloropropene	ug/L	50	42.2	84	59-127	
1,2,3-Trichlorobenzene	ug/L	50	17.1	34	67-103	CC,L2
1,2,3-Trichloropropane	ug/L	50	43.6	87	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	44.3	89	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	38.5	77	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	49.7	99	83-115	
1,2-Dichloroethane	ug/L	50	49.3	99	74-129	
1,2-Dichloropropane	ug/L	50	46.2	92	75-117	
1,3,5-Trimethylbenzene	ug/L	50	37.3	75	67-116	
1,3-Dichlorobenzene	ug/L	50	38.3	77	71-112	

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QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

LABORATORY CONTROL SAMPLE: 122771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	44.7	89	74-112	
1,4-Diethylbenzene	ug/L	50	51.9	104	56-130	N3
2,2-Dichloropropane	ug/L	50	45.3	91	63-133	
2-Butanone (MEK)	ug/L	50	66.8	134	44-162	CC
2-Chlorotoluene	ug/L	50	40.4	81	74-101	
2-Hexanone	ug/L	50	46.6	93	32-183	
4-Chlorotoluene	ug/L	50	38.6	77	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	47.8	96	69-132	
Acetone	ug/L	50	62.3	125	23-188	
Benzene	ug/L	50	47.7	95	73-119	
Bromobenzene	ug/L	50	40.6	81	72-102	
Bromochloromethane	ug/L	50	43.7	87	81-116	
Bromodichloromethane	ug/L	50	48.0	96	78-117	
Bromoform	ug/L	50	46.4	93	65-122	
Bromomethane	ug/L	50	41.4	83	52-147	
Carbon disulfide	ug/L	50	42.3	85	41-144	
Carbon tetrachloride	ug/L	50	47.0	94	59-120	
Chlorobenzene	ug/L	50	42.0	84	75-113	
Chlorodifluoromethane	ug/L	50	36.9	74	43-140	N3
Chloroethane	ug/L	50	42.0	84	49-151	
Chloroform	ug/L	50	47.4	95	72-122	
Chloromethane	ug/L	50	43.0	86	46-144	
cis-1,2-Dichloroethene	ug/L	50	48.5	97	72-121	
cis-1,3-Dichloropropene	ug/L	50	48.4	97	78-116	
Dibromochloromethane	ug/L	50	45.2	90	70-120	
Dibromomethane	ug/L	50	46.4	93	75-125	
Dichlorodifluoromethane	ug/L	50	45.8	92	22-154	
Ethanol	ug/L	1250	1180	94	10-151	CC
Ethylbenzene	ug/L	50	42.0	84	70-113	
Hexachloro-1,3-butadiene	ug/L	50	52.7	105	59-121	
Isopropylbenzene (Cumene)	ug/L	50	39.3	79	67-115	
Methylene Chloride	ug/L	50	44.5	89	61-142	
n-Butylbenzene	ug/L	50	43.3	87	73-107	
n-Propylbenzene	ug/L	50	39.9	80	68-116	
p-Isopropyltoluene	ug/L	50	40.5	81	73-101	
sec-Butylbenzene	ug/L	50	39.9	80	72-103	
Styrene	ug/L	50	43.3	87	72-118	
tert-Butylbenzene	ug/L	50	39.8	80	68-100	
Tetrachloroethene	ug/L	50	40.6	81	60-128	
Toluene	ug/L	50	46.6	93	72-119	
trans-1,2-Dichloroethene	ug/L	50	38.9	78	56-142	
trans-1,3-Dichloropropene	ug/L	50	44.5	89	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	38.9	78	71-121	
Trichloroethene	ug/L	50	43.9	88	69-117	
Vinyl chloride	ug/L	50	44.7	89	43-143	
Xylene (Total)	ug/L	150	129	86	71-109	
1,2-Dichloroethane-d4 (S)	%.			104	68-153	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

LABORATORY CONTROL SAMPLE: 122771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			101	79-124	
Toluene-d8 (S)	%.			93	69-124	

SAMPLE DUPLICATE: 122772

Parameter	Units	7020148002 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		CC
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	2.1	2.0	7	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

SAMPLE DUPLICATE: 122772

Parameter	Units	7020148002 Result	Dup Result	RPD	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<2.0	<2.0		
1,2-Dichloroethane-d4 (S)	%.	92	100	8	
4-Bromofluorobenzene (S)	%.	99	100	2	
Toluene-d8 (S)	%.	94	90	4	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

QC Batch: 26895 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7020148001, 7020148002, 7020148003

METHOD BLANK: 124666 Matrix: Water
Associated Lab Samples: 7020148001, 7020148002, 7020148003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	06/07/17 14:19	

LABORATORY CONTROL SAMPLE: 124667

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	492	98	85-115	

MATRIX SPIKE SAMPLE: 124669

Parameter	Units	7019992001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	187	300	504	106	75-125	

MATRIX SPIKE SAMPLE: 124671

Parameter	Units	7020200001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	84.0	300	380	99	75-125	

SAMPLE DUPLICATE: 124668

Parameter	Units	7019992001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	187	186	1	

SAMPLE DUPLICATE: 124670

Parameter	Units	7020200001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	84.0	92.0	9	

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(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

QC Batch: 26264 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 7020148001, 7020148002, 7020148003

SAMPLE DUPLICATE: 121806

Parameter	Units	7020089001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.7	6.6	0	H3,H6

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: INFLUENT/EFFLUENT 6/1
Pace Project No.: 7020148

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7020148001	**INFLUENT #1**	EPA 200.7	26378	EPA 200.7	26388
7020148002	**INFLUENT #2**	EPA 200.7	26378	EPA 200.7	26388
7020148003	**EFFLUENT #1**	EPA 200.7	26378	EPA 200.7	26388
7020148001	**INFLUENT #1**	EPA 200.7	26949		
7020148002	**INFLUENT #2**	EPA 200.7	26949		
7020148003	**EFFLUENT #1**	EPA 200.7	26949		
7020148001	**INFLUENT #1**	EPA 8260C/5030C	26469		
7020148002	**INFLUENT #2**	EPA 8260C/5030C	26469		
7020148003	**EFFLUENT #1**	EPA 8260C/5030C	26469		
7020148001	**INFLUENT #1**	SM22 2540C	26895		
7020148002	**INFLUENT #2**	SM22 2540C	26895		
7020148003	**EFFLUENT #1**	SM22 2540C	26895		
7020148001	**INFLUENT #1**	EPA 9040C	26264		
7020148002	**INFLUENT #2**	EPA 9040C	26264		
7020148003	**EFFLUENT #1**	EPA 9040C	26264		

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed acc

WO#: 7020148

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Wire to Water	Report To:	Fairchild - Mairoll Corp	Attention:	Donald Miller
Address:	136 Gazza Blvd.	Copy To:	Wire to Water	Company Name:	Fairchild Mairoll Corp
	Farmingdale NY 11735			Address:	1600 Tysons Blvd. Suite 100 McLean V
Email To:	Paul@wiretowater.com	Purchase Order No.:		Pace Quote Reference:	PH:(703)478-5800
Phone:	(631) 777-7310 Fax: (631) 777-7312	Project Name:		Pace Project Manager:	Fax:(703) 478-5775
Requested Due Date/TAT:		Project Number:		Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

LAB REF # 141238

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes: MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test	40ml-VOC+Freon	TDS	PH	Total Metals(Fe,Mn,Zn)	Dissolved Mets(Fe,Mn,Zn)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	INFLUENT #1			G			6-1	1:15		5																	-001
2	INFLUENT #2			G			6-1	1:30		5																	-002
3	EFFLUENT #1			G			6-1	1:45		5																	-003
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	J.B James Bonnici	6/1/17	1435		6/1/17	14:35	4.0°C

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	James Bonnici		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER: James Bonnici	DATE Signed (MM/DD/YY): 6-1-17					

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical
Long Island Laboratory

WO#: 7020148
PM: JDS Due Date: 06/12/17
CLIENT: FAIR

Client Name: Wire to Water **Project #**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other **Type of Ice:** Wet Blue None

Thermometer Used: TH092 **Correction Factor:** 0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 4.0 **Cooler Temperature Corrected (°C):** 4.0 **Date/Time 5035A kits placed in freezer**

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) **Date and Initials of person examining contents:** JK 6/1/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL	☑Yes	☐No		12.
All containers needing preservation have been checked pH paper Lot # HC693124	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination: Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* **PM (Project Manager) review is documented electronically in LIMS.**

F-LI-C-002-rev.01

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

July 20, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Dear James:

Enclosed are the analytical results for sample(s) received by the laboratory on July 11, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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Melville, NY 11747
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CERTIFICATIONS

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Sample: INFLUENT #1 **Lab ID: 7023651001** Collected: 07/11/17 10:30 Received: 07/11/17 12:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	07/12/17 10:04	07/13/17 00:18	7440-41-7	
Iron	**765**	ug/L	100	1	07/12/17 10:04	07/13/17 00:18	7439-89-6	
Manganese	**76.5**	ug/L	10.0	1	07/12/17 10:04	07/13/17 00:18	7439-96-5	
Zinc	**31.2**	ug/L	20.0	1	07/12/17 10:04	07/13/17 00:18	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		07/13/17 21:49	7440-41-7	
Iron, Dissolved	**423**	ug/L	100	1		07/13/17 21:49	7439-89-6	
Manganese, Dissolved	**69.2**	ug/L	10.0	1		07/13/17 21:49	7439-96-5	
Zinc, Dissolved	**38.0**	ug/L	20.0	1		07/13/17 21:49	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<50.0**	ug/L	50.0	10		07/14/17 14:09	67-64-1	
Benzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	71-43-2	
Bromobenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	108-86-1	
Bromochloromethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	74-97-5	
Bromodichloromethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	75-27-4	
Bromoform	**<10.0**	ug/L	10.0	10		07/14/17 14:09	75-25-2	
Bromomethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	74-83-9	
2-Butanone (MEK)	**<50.0**	ug/L	50.0	10		07/14/17 14:09	78-93-3	IL
n-Butylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	104-51-8	
sec-Butylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	135-98-8	
tert-Butylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	98-06-6	
Carbon disulfide	**<10.0**	ug/L	10.0	10		07/14/17 14:09	75-15-0	
Carbon tetrachloride	**<10.0**	ug/L	10.0	10		07/14/17 14:09	56-23-5	
Chlorobenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	108-90-7	
Chlorodifluoromethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	75-45-6	CC,N3
Chloroethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	75-00-3	
Chloroform	**<10.0**	ug/L	10.0	10		07/14/17 14:09	67-66-3	
Chloromethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	74-87-3	CC
2-Chlorotoluene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	95-49-8	
4-Chlorotoluene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	106-43-4	
Dibromochloromethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	124-48-1	
1,2-Dibromoethane (EDB)	**<10.0**	ug/L	10.0	10		07/14/17 14:09	106-93-4	
Dibromomethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	74-95-3	
1,3-Dichlorobenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	541-73-1	
trans-1,4-Dichloro-2-butene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	110-57-6	
Dichlorodifluoromethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	75-71-8	CC
1,1-Dichloroethane	**20.0**	ug/L	10.0	10		07/14/17 14:09	75-34-3	
1,2-Dichloroethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	107-06-2	
1,1-Dichloroethene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	75-35-4	
cis-1,2-Dichloroethene	**256**	ug/L	10.0	10		07/14/17 14:09	156-59-2	
trans-1,2-Dichloroethene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	156-60-5	
1,2-Dichloropropane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	78-87-5	
1,3-Dichloropropane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	142-28-9	
2,2-Dichloropropane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	594-20-7	

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(631)694-3040

ANALYTICAL RESULTS

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Sample: INFLUENT #1 **Lab ID: 7023651001** Collected: 07/11/17 10:30 Received: 07/11/17 12:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	563-58-6	
cis-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	10061-01-5	
trans-1,3-Dichloropropene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	10061-02-6	
1,4-Diethylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	105-05-5	N3
Ethanol	**<2500**	ug/L	2500	10		07/14/17 14:09	64-17-5	
Ethylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	100-41-4	
Hexachloro-1,3-butadiene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	87-68-3	
2-Hexanone	**<50.0**	ug/L	50.0	10		07/14/17 14:09	591-78-6	
Isopropylbenzene (Cumene)	**<10.0**	ug/L	10.0	10		07/14/17 14:09	98-82-8	
p-Isopropyltoluene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	99-87-6	
Methylene Chloride	**<10.0**	ug/L	10.0	10		07/14/17 14:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<50.0**	ug/L	50.0	10		07/14/17 14:09	108-10-1	
n-Propylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	103-65-1	
Styrene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	79-34-5	
Tetrachloroethene	**782**	ug/L	10.0	10		07/14/17 14:09	127-18-4	
1,2,4,5-tetramethylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	95-93-2	CC,N3
Toluene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	108-88-3	
1,2,3-Trichlorobenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	87-61-6	
1,1,1-Trichloroethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	71-55-6	
1,1,2-Trichloroethane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	79-00-5	
Trichloroethene	**136**	ug/L	10.0	10		07/14/17 14:09	79-01-6	
1,2,3-Trichloropropane	**<10.0**	ug/L	10.0	10		07/14/17 14:09	96-18-4	
1,2,4-Trimethylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	95-63-6	
1,3,5-Trimethylbenzene	**<10.0**	ug/L	10.0	10		07/14/17 14:09	108-67-8	
Vinyl chloride	**26.8**	ug/L	10.0	10		07/14/17 14:09	75-01-4	
Xylene (Total)	**<20.0**	ug/L	20.0	10		07/14/17 14:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%.	68-153	10		07/14/17 14:09	17060-07-0	
4-Bromofluorobenzene (S)	100	%.	79-124	10		07/14/17 14:09	460-00-4	
Toluene-d8 (S)	92	%.	69-124	10		07/14/17 14:09	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**113**	mg/L	10.0	1		07/13/17 13:47		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**4.9**	Std. Units	0.10	1		07/11/17 22:45		H3,H6

07/11/2017 Influent Data
Total CVOC- 1221 ppb

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ANALYTICAL RESULTS

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Sample: INFLUENT #2 **Lab ID: 7023651002** Collected: 07/11/17 10:45 Received: 07/11/17 12:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	07/12/17 10:04	07/13/17 00:23	7440-41-7	
Iron	**778**	ug/L	100	1	07/12/17 10:04	07/13/17 00:23	7439-89-6	
Manganese	**79.8**	ug/L	10.0	1	07/12/17 10:04	07/13/17 00:23	7439-96-5	
Zinc	**22.5**	ug/L	20.0	1	07/12/17 10:04	07/13/17 00:23	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		07/13/17 21:54	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		07/13/17 21:54	7439-89-6	
Manganese, Dissolved	**64.5**	ug/L	10.0	1		07/13/17 21:54	7439-96-5	
Zinc, Dissolved	**23.7**	ug/L	20.0	1		07/13/17 21:54	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		07/14/17 14:27	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		07/14/17 14:27	78-93-3	IL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		07/14/17 14:27	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-45-6	CC,N3
Chloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		07/14/17 14:27	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	74-87-3	CC
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		07/14/17 14:27	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-71-8	CC
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	594-20-7	

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ANALYTICAL RESULTS

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Sample: INFLUENT #2 **Lab ID: 7023651002** Collected: 07/11/17 10:45 Received: 07/11/17 12:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		07/14/17 14:27	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		07/14/17 14:27	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		07/14/17 14:27	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		07/14/17 14:27	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	95-93-2	CC,N3
Toluene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		07/14/17 14:27	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:27	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		07/14/17 14:27	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		07/14/17 14:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%.	68-153	1		07/14/17 14:27	17060-07-0	
4-Bromofluorobenzene (S)	99	%.	79-124	1		07/14/17 14:27	460-00-4	
Toluene-d8 (S)	91	%.	69-124	1		07/14/17 14:27	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**104**	mg/L	10.0	1		07/13/17 13:48		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.2**	Std. Units	0.10	1		07/11/17 22:46		H3,H6

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ANALYTICAL RESULTS

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Sample: EFFLUENT #1 **Lab ID: 7023651003** Collected: 07/11/17 11:00 Received: 07/11/17 12:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	07/12/17 10:04	07/13/17 00:28	7440-41-7	
Iron	**789**	ug/L	100	1	07/12/17 10:04	07/13/17 00:28	7439-89-6	
Manganese	**77.2**	ug/L	10.0	1	07/12/17 10:04	07/13/17 00:28	7439-96-5	
Zinc	**26.5**	ug/L	20.0	1	07/12/17 10:04	07/13/17 00:28	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		07/13/17 22:00	7440-41-7	
Iron, Dissolved	**<100**	ug/L	100	1		07/13/17 22:00	7439-89-6	
Manganese, Dissolved	**67.4**	ug/L	10.0	1		07/13/17 22:00	7439-96-5	
Zinc, Dissolved	**24.7**	ug/L	20.0	1		07/13/17 22:00	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**6.9**	ug/L	5.0	1		07/14/17 14:45	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		07/14/17 14:45	78-93-3	IL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		07/14/17 14:45	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-45-6	CC,N3
Chloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		07/14/17 14:45	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	74-87-3	CC
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		07/14/17 14:45	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-71-8	CC
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	594-20-7	

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Sample: EFFLUENT #1 **Lab ID: 7023651003** Collected: 07/11/17 11:00 Received: 07/11/17 12:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		07/14/17 14:45	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		07/14/17 14:45	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		07/14/17 14:45	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		07/14/17 14:45	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	95-93-2	CC,N3
Toluene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		07/14/17 14:45	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		07/14/17 14:45	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		07/14/17 14:45	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		07/14/17 14:45	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%.	68-153	1		07/14/17 14:45	17060-07-0	
4-Bromofluorobenzene (S)	99	%.	79-124	1		07/14/17 14:45	460-00-4	
Toluene-d8 (S)	91	%.	69-124	1		07/14/17 14:45	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**101**	mg/L	10.0	1		07/13/17 13:48		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**6.3**	Std. Units	0.10	1		07/11/17 22:46		H3,H6

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

QC Batch: 31407 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7023651001, 7023651002, 7023651003

METHOD BLANK: 145313 Matrix: Water
Associated Lab Samples: 7023651001, 7023651002, 7023651003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	07/13/17 21:39	
Iron, Dissolved	ug/L	<100	100	07/13/17 21:39	
Manganese, Dissolved	ug/L	<10.0	10.0	07/13/17 21:39	
Zinc, Dissolved	ug/L	<20.0	20.0	07/13/17 21:39	

LABORATORY CONTROL SAMPLE: 145314

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	48.7	97	85-115	
Iron, Dissolved	ug/L	2000	1910	95	85-115	
Manganese, Dissolved	ug/L	250	237	95	85-115	
Zinc, Dissolved	ug/L	1000	958	96	85-115	

MATRIX SPIKE SAMPLE: 145316

Parameter	Units	7023864002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	49.2	98	70-130	
Iron, Dissolved	ug/L	294	2000	2260	98	70-130	
Manganese, Dissolved	ug/L	14.6	250	257	97	70-130	
Zinc, Dissolved	ug/L	33.0	1000	984	95	70-130	

SAMPLE DUPLICATE: 145315

Parameter	Units	7023864002 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	294	296	0	
Manganese, Dissolved	ug/L	14.6	14.6	0	
Zinc, Dissolved	ug/L	33.0	32.4	2	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

QC Batch: 31168 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7023651001, 7023651002, 7023651003

METHOD BLANK: 144291 Matrix: Water
Associated Lab Samples: 7023651001, 7023651002, 7023651003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	07/12/17 23:52	
Iron	ug/L	<100	100	07/12/17 23:52	
Manganese	ug/L	<10.0	10.0	07/12/17 23:52	
Zinc	ug/L	<20.0	20.0	07/12/17 23:52	

LABORATORY CONTROL SAMPLE: 144292

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	43.6	87	85-115	
Iron	ug/L	2000	1700	85	85-115	
Manganese	ug/L	250	220	88	85-115	
Zinc	ug/L	1000	894	89	85-115	

MATRIX SPIKE SAMPLE: 144294

Parameter	Units	7023706002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	49.5	99	70-130	
Iron	ug/L	398	2000	2420	101	70-130	
Manganese	ug/L	83.6	250	332	99	70-130	
Zinc	ug/L	28.6	1000	1050	102	70-130	

SAMPLE DUPLICATE: 144293

Parameter	Units	7023706002 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	398	388	2	
Manganese	ug/L	83.6	80.4	4	
Zinc	ug/L	28.6	27.4	4	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

QC Batch: 31528 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7023651001, 7023651002, 7023651003

METHOD BLANK: 145817 Matrix: Water
Associated Lab Samples: 7023651001, 7023651002, 7023651003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	07/14/17 11:04	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	07/14/17 11:04	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	07/14/17 11:04	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	07/14/17 11:04	
1,1-Dichloroethane	ug/L	<1.0	1.0	07/14/17 11:04	
1,1-Dichloroethene	ug/L	<1.0	1.0	07/14/17 11:04	
1,1-Dichloropropene	ug/L	<1.0	1.0	07/14/17 11:04	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	07/14/17 11:04	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	07/14/17 11:04	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	CC,N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	07/14/17 11:04	
1,2-Dichloroethane	ug/L	<1.0	1.0	07/14/17 11:04	
1,2-Dichloropropane	ug/L	<1.0	1.0	07/14/17 11:04	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	07/14/17 11:04	
1,3-Dichloropropane	ug/L	<1.0	1.0	07/14/17 11:04	
1,4-Diethylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	07/14/17 11:04	
2-Butanone (MEK)	ug/L	<5.0	5.0	07/14/17 11:04	IL
2-Chlorotoluene	ug/L	<1.0	1.0	07/14/17 11:04	
2-Hexanone	ug/L	<5.0	5.0	07/14/17 11:04	
4-Chlorotoluene	ug/L	<1.0	1.0	07/14/17 11:04	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	07/14/17 11:04	
Acetone	ug/L	<5.0	5.0	07/14/17 11:04	
Benzene	ug/L	<1.0	1.0	07/14/17 11:04	
Bromobenzene	ug/L	<1.0	1.0	07/14/17 11:04	
Bromochloromethane	ug/L	<1.0	1.0	07/14/17 11:04	
Bromodichloromethane	ug/L	<1.0	1.0	07/14/17 11:04	
Bromoform	ug/L	<1.0	1.0	07/14/17 11:04	
Bromomethane	ug/L	<1.0	1.0	07/14/17 11:04	
Carbon disulfide	ug/L	<1.0	1.0	07/14/17 11:04	
Carbon tetrachloride	ug/L	<1.0	1.0	07/14/17 11:04	
Chlorobenzene	ug/L	<1.0	1.0	07/14/17 11:04	
Chlorodifluoromethane	ug/L	<1.0	1.0	07/14/17 11:04	CC,N3
Chloroethane	ug/L	<1.0	1.0	07/14/17 11:04	
Chloroform	ug/L	<1.0	1.0	07/14/17 11:04	
Chloromethane	ug/L	<1.0	1.0	07/14/17 11:04	CC
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	07/14/17 11:04	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	07/14/17 11:04	
Dibromochloromethane	ug/L	<1.0	1.0	07/14/17 11:04	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

METHOD BLANK: 145817 Matrix: Water
Associated Lab Samples: 7023651001, 7023651002, 7023651003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	07/14/17 11:04	
Dichlorodifluoromethane	ug/L	<1.0	1.0	07/14/17 11:04	CC
Ethanol	ug/L	<250	250	07/14/17 11:04	
Ethylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	07/14/17 11:04	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	07/14/17 11:04	
Methylene Chloride	ug/L	<1.0	1.0	07/14/17 11:04	
n-Butylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	
n-Propylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	
p-Isopropyltoluene	ug/L	<1.0	1.0	07/14/17 11:04	
sec-Butylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	
Styrene	ug/L	<1.0	1.0	07/14/17 11:04	
tert-Butylbenzene	ug/L	<1.0	1.0	07/14/17 11:04	
Tetrachloroethene	ug/L	<1.0	1.0	07/14/17 11:04	
Toluene	ug/L	<1.0	1.0	07/14/17 11:04	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	07/14/17 11:04	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	07/14/17 11:04	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	07/14/17 11:04	
Trichloroethene	ug/L	<1.0	1.0	07/14/17 11:04	
Vinyl chloride	ug/L	<1.0	1.0	07/14/17 11:04	
Xylene (Total)	ug/L	<2.0	2.0	07/14/17 11:04	
1,2-Dichloroethane-d4 (S)	%.	83	68-153	07/14/17 11:04	
4-Bromofluorobenzene (S)	%.	99	79-124	07/14/17 11:04	
Toluene-d8 (S)	%.	92	69-124	07/14/17 11:04	

LABORATORY CONTROL SAMPLE: 145818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.5	103	74-113	
1,1,1-Trichloroethane	ug/L	50	49.3	99	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	44.9	90	74-121	
1,1,2-Trichloroethane	ug/L	50	50.8	102	80-117	
1,1-Dichloroethane	ug/L	50	47.8	96	83-151	
1,1-Dichloroethene	ug/L	50	50.1	100	45-146	
1,1-Dichloropropene	ug/L	50	48.7	97	59-127	
1,2,3-Trichlorobenzene	ug/L	50	42.1	84	67-103	
1,2,3-Trichloropropane	ug/L	50	45.2	90	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	35.7	71	66-103	CC,N3
1,2,4-Trimethylbenzene	ug/L	50	41.3	83	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	54.3	109	83-115	
1,2-Dichloroethane	ug/L	50	48.3	97	74-129	
1,2-Dichloropropane	ug/L	50	48.4	97	75-117	
1,3,5-Trimethylbenzene	ug/L	50	41.5	83	67-116	
1,3-Dichlorobenzene	ug/L	50	43.1	86	71-112	

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QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

LABORATORY CONTROL SAMPLE: 145818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	49.4	99	74-112	
1,4-Diethylbenzene	ug/L	50	42.7	85	56-130	N3
2,2-Dichloropropane	ug/L	50	48.5	97	63-133	
2-Butanone (MEK)	ug/L	50	44.7	89	44-162	IL
2-Chlorotoluene	ug/L	50	40.6	81	74-101	
2-Hexanone	ug/L	50	55.9	112	32-183	
4-Chlorotoluene	ug/L	50	41.1	82	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	55.0	110	69-132	
Acetone	ug/L	50	50.5	101	23-188	
Benzene	ug/L	50	50.0	100	73-119	
Bromobenzene	ug/L	50	44.6	89	72-102	
Bromochloromethane	ug/L	50	53.6	107	81-116	
Bromodichloromethane	ug/L	50	49.4	99	78-117	
Bromoform	ug/L	50	51.8	104	65-122	
Bromomethane	ug/L	50	46.5	93	52-147	
Carbon disulfide	ug/L	50	40.9	82	41-144	
Carbon tetrachloride	ug/L	50	50.1	100	59-120	
Chlorobenzene	ug/L	50	49.5	99	75-113	
Chlorodifluoromethane	ug/L	50	35.9	72	43-140	CC,N3
Chloroethane	ug/L	50	39.5	79	49-151	
Chloroform	ug/L	50	48.0	96	72-122	
Chloromethane	ug/L	50	32.9	66	46-144	CC
cis-1,2-Dichloroethene	ug/L	50	48.8	98	72-121	
cis-1,3-Dichloropropene	ug/L	50	53.3	107	78-116	
Dibromochloromethane	ug/L	50	52.1	104	70-120	
Dibromomethane	ug/L	50	51.2	102	75-125	
Dichlorodifluoromethane	ug/L	50	36.4	73	22-154	CC
Ethanol	ug/L	1250	1190	95	10-151	
Ethylbenzene	ug/L	50	49.6	99	70-113	
Hexachloro-1,3-butadiene	ug/L	50	46.2	92	59-121	
Isopropylbenzene (Cumene)	ug/L	50	41.4	83	67-115	
Methylene Chloride	ug/L	50	47.3	95	61-142	
n-Butylbenzene	ug/L	50	41.3	83	73-107	
n-Propylbenzene	ug/L	50	40.3	81	68-116	
p-Isopropyltoluene	ug/L	50	41.8	84	73-101	
sec-Butylbenzene	ug/L	50	41.4	83	72-103	
Styrene	ug/L	50	51.0	102	72-118	
tert-Butylbenzene	ug/L	50	41.9	84	68-100	
Tetrachloroethene	ug/L	50	44.7	89	60-128	
Toluene	ug/L	50	49.4	99	72-119	
trans-1,2-Dichloroethene	ug/L	50	48.9	98	56-142	
trans-1,3-Dichloropropene	ug/L	50	56.2	112	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	42.0	84	71-121	
Trichloroethene	ug/L	50	48.8	98	69-117	
Vinyl chloride	ug/L	50	38.9	78	43-143	
Xylene (Total)	ug/L	150	153	102	71-109	
1,2-Dichloroethane-d4 (S)	%.			83	68-153	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

LABORATORY CONTROL SAMPLE: 145818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			102	79-124	
Toluene-d8 (S)	%.			92	69-124	

SAMPLE DUPLICATE: 146230

Parameter	Units	7024065001 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	1.7	1.5	10	
1,1-Dichloroethene	ug/L	20.1	18.1	11	
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		CC,N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		IL
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	6.2	10.0	47	D6
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		CC,N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		CC
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

SAMPLE DUPLICATE: 146230

Parameter	Units	7024065001 Result	Dup Result	RPD	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		CC
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	3.7	3.5	6	
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<2.0	<2.0		
1,2-Dichloroethane-d4 (S)	%.	83	85	2	
4-Bromofluorobenzene (S)	%.	98	102	4	
Toluene-d8 (S)	%.	91	92	1	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

QC Batch: 31391 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7023651001, 7023651002, 7023651003

METHOD BLANK: 145262 Matrix: Water
Associated Lab Samples: 7023651001, 7023651002, 7023651003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	07/13/17 13:41	

LABORATORY CONTROL SAMPLE: 145263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	464	93	85-115	

MATRIX SPIKE SAMPLE: 145265

Parameter	Units	7023911001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	469	300	760	97	75-125	

MATRIX SPIKE SAMPLE: 145267

Parameter	Units	7023703002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	286	300	581	98	75-125	

SAMPLE DUPLICATE: 145264

Parameter	Units	7023911001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	469	444	5	

SAMPLE DUPLICATE: 145266

Parameter	Units	7023703002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	286	303	6	

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(631)694-3040

QUALITY CONTROL DATA

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

QC Batch: 31008 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 7023651001, 7023651002, 7023651003

SAMPLE DUPLICATE: 143594

Parameter	Units	7023651001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	4.9	5.0	1	H3,H6

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: VOC/TDS/PH/METALS/DISS MET7/11
Pace Project No.: 7023651

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7023651001	**INFLUENT #1**	EPA 200.7	31168	EPA 200.7	31185
7023651002	**INFLUENT #2**	EPA 200.7	31168	EPA 200.7	31185
7023651003	**EFFLUENT #1**	EPA 200.7	31168	EPA 200.7	31185
7023651001	**INFLUENT #1**	EPA 200.7	31407		
7023651002	**INFLUENT #2**	EPA 200.7	31407		
7023651003	**EFFLUENT #1**	EPA 200.7	31407		
7023651001	**INFLUENT #1**	EPA 8260C/5030C	31528		
7023651002	**INFLUENT #2**	EPA 8260C/5030C	31528		
7023651003	**EFFLUENT #1**	EPA 8260C/5030C	31528		
7023651001	**INFLUENT #1**	SM22 2540C	31391		
7023651002	**INFLUENT #2**	SM22 2540C	31391		
7023651003	**EFFLUENT #1**	SM22 2540C	31391		
7023651001	**INFLUENT #1**	EPA 9040C	31008		
7023651002	**INFLUENT #2**	EPA 9040C	31008		
7023651003	**EFFLUENT #1**	EPA 9040C	31008		

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Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

7-11-17

WO#:7023651

Section A — **Required** Client Information:

Company:	Wire to Water
Address:	136 Gazza Blvd.
	Farmingdale NY 11735
Email To:	Paul@wiretowater.com
Phone: (631) 777-7310	Fax: (631) 777-7312
Requested Due Date/TAT:	

Section B — **Required** Project Information:

Report To:	Fairchild - Mairoll Corp
Copy To:	Wire to Water
Purchase Order No.:	
Project Name:	
Project Number:	

Section C — Invoice Information:

Attention:	Donald Miller
Company Name:	Fairchild Mairoll Corp
Address:	1600 Tysons Blvd. Suite 100 McLean V
Pace Quote Reference:	PH:(703)478-5800
Pace Project Manager:	Fax:(703) 478-5775
Pace Profile #:	5055

RE 7023651

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location — **STATE:** NY

LAB REF# 1412438

Section D — **Required** Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	40ml-VOC+Freon	TDS	PH	Total Metals(Fe,Mn,Zn)	Dissolved Mets(Fe,Mn,Zn)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	INFLUENT #1		G			7-11	10:30		5										2	1		1	1		-001
2	INFLUENT #2		G			7-11	10:45		5										2	1		1	1		-002
3	EFFLUENT #1		G			7-11	11:00		5										2	1		1	1		-003
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Bonnici	7-11-17	12:16		7/11/17	12:16	11.7	Y Wet	N	Y

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	JAMES Bonnici	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	James Bonnici	DATE Signed (MM/DD/YY):			

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical™ Long Island Laboratory

Sample Condition Upon Receipt

WO#: 7023651
PM: JDS Due Date: 07/20/17
CLIENT: FAIR

Client Name: Wire to Water **Project**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other **Type of Ice:** (Wet) Blue None

Thermometer Used: TH092 **Correction Factor:** 0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 11.7 **Cooler Temperature Corrected (°C):** 11.7 **Date/Time 5035A kits placed in freezer**

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) **Date and Initials of person examining contents:** 7/11/17 NL

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL (WT) OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC601354				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

*** PM (Project Manager) review is documented electronically in LIMS.**

F-LI-C-002-rev.01

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

August 22, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: INF/EFF 8/11
Pace Project No.: 7026969

Dear James:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: INF/EFF 8/11
Pace Project No.: 7026969

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: INF/EFF 8/11
Pace Project No.: 7026969

Sample: INFLUENT #1 **Lab ID: 7026969001** Collected: 08/11/17 11:00 Received: 08/11/17 12:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	08/18/17 11:23	08/21/17 22:17	7440-41-7	
Iron	**516**	ug/L	20.0	1	08/18/17 11:23	08/21/17 22:17	7439-89-6	
Manganese	**65.1**	ug/L	10.0	1	08/18/17 11:23	08/21/17 22:17	7439-96-5	
Zinc	**47.6**	ug/L	20.0	1	08/18/17 11:23	08/21/17 22:17	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		08/22/17 14:55	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		08/22/17 14:55	7439-89-6	
Manganese, Dissolved	**67.7**	ug/L	10.0	1		08/22/17 14:55	7439-96-5	
Zinc, Dissolved	**67.7**	ug/L	20.0	1		08/22/17 14:55	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**26.7**	ug/L	25.0	5		08/16/17 18:29	67-64-1	
Benzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	71-43-2	
Bromobenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	108-86-1	
Bromochloromethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	74-97-5	L1
Bromodichloromethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	75-27-4	
Bromoform	**<5.0**	ug/L	5.0	5		08/16/17 18:29	75-25-2	IL
Bromomethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	74-83-9	CC
2-Butanone (MEK)	**<25.0**	ug/L	25.0	5		08/16/17 18:29	78-93-3	
n-Butylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	104-51-8	
sec-Butylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	135-98-8	
tert-Butylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	98-06-6	
Carbon disulfide	**<5.0**	ug/L	5.0	5		08/16/17 18:29	75-15-0	
Carbon tetrachloride	**<5.0**	ug/L	5.0	5		08/16/17 18:29	56-23-5	
Chlorobenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	108-90-7	
Chlorodifluoromethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	75-45-6	CC,N3
Chloroethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	75-00-3	
Chloroform	**<5.0**	ug/L	5.0	5		08/16/17 18:29	67-66-3	
Chloromethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	74-87-3	CC
2-Chlorotoluene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	95-49-8	
4-Chlorotoluene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	106-43-4	
Dibromochloromethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	124-48-1	
1,2-Dibromoethane (EDB)	**<5.0**	ug/L	5.0	5		08/16/17 18:29	106-93-4	
Dibromomethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	74-95-3	
1,3-Dichlorobenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	541-73-1	
trans-1,4-Dichloro-2-butene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	110-57-6	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	75-71-8	CC,L2
1,1-Dichloroethane	**35.8**	ug/L	5.0	5		08/16/17 18:29	75-34-3	
1,2-Dichloroethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	107-06-2	
1,1-Dichloroethene	**20.5**	ug/L	5.0	5		08/16/17 18:29	75-35-4	
cis-1,2-Dichloroethene	**560**	ug/L	5.0	5		08/16/17 18:29	156-59-2	L1
trans-1,2-Dichloroethene	**6.1**	ug/L	5.0	5		08/16/17 18:29	156-60-5	
1,2-Dichloropropane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	78-87-5	
1,3-Dichloropropane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	142-28-9	
2,2-Dichloropropane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	594-20-7	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: INF/EFF 8/11
Pace Project No.: 7026969

Sample: INFLUENT #1 **Lab ID: 7026969001** Collected: 08/11/17 11:00 Received: 08/11/17 12:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	563-58-6	
cis-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	10061-01-5	
trans-1,3-Dichloropropene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	10061-02-6	
1,4-Diethylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	105-05-5	N3
Ethanol	**<1250**	ug/L	1250	5		08/16/17 18:29	64-17-5	
Ethylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	100-41-4	
Hexachloro-1,3-butadiene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	87-68-3	
2-Hexanone	**<25.0**	ug/L	25.0	5		08/16/17 18:29	591-78-6	
Isopropylbenzene (Cumene)	**<5.0**	ug/L	5.0	5		08/16/17 18:29	98-82-8	
p-Isopropyltoluene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	99-87-6	
Methylene Chloride	**<5.0**	ug/L	5.0	5		08/16/17 18:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<25.0**	ug/L	25.0	5		08/16/17 18:29	108-10-1	
n-Propylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	103-65-1	
Styrene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	100-42-5	
1,1,1,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	630-20-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	79-34-5	
Tetrachloroethene	**1320**	ug/L	10.0	10		08/17/17 15:08	127-18-4	
1,2,4,5-tetramethylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	95-93-2	N3
Toluene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	108-88-3	
1,2,3-Trichlorobenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	87-61-6	
1,1,1-Trichloroethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	71-55-6	
1,1,2-Trichloroethane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	79-00-5	
Trichloroethene	**251**	ug/L	5.0	5		08/16/17 18:29	79-01-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	5		08/16/17 18:29	96-18-4	
1,2,4-Trimethylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	95-63-6	
1,3,5-Trimethylbenzene	**<5.0**	ug/L	5.0	5		08/16/17 18:29	108-67-8	
Vinyl chloride	**57.8**	ug/L	5.0	5		08/16/17 18:29	75-01-4	
Xylene (Total)	**<10.0**	ug/L	10.0	5		08/16/17 18:29	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	83	%.	68-153	5		08/16/17 18:29	17060-07-0	
4-Bromofluorobenzene (S)	107	%.	79-124	5		08/16/17 18:29	460-00-4	
Toluene-d8 (S)	94	%.	69-124	5		08/16/17 18:29	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**122**	mg/L	10.0	1		08/17/17 13:55		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**5.9**	Std. Units	0.10	1		08/14/17 19:03		H3,H6

08/11/2017 Influent Data
Total CVOC- 2251 ppb

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(631)694-3040

ANALYTICAL RESULTS

Project: INF/EFF 8/11
Pace Project No.: 7026969

Sample: INFLUENT #2 **Lab ID: 7026969002** Collected: 08/11/17 11:15 Received: 08/11/17 12:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	08/18/17 11:23	08/21/17 22:22	7440-41-7	
Iron	**1220**	ug/L	20.0	1	08/18/17 11:23	08/21/17 22:22	7439-89-6	
Manganese	**68.4**	ug/L	10.0	1	08/18/17 11:23	08/21/17 22:22	7439-96-5	
Zinc	**<20.0**	ug/L	20.0	1	08/18/17 11:23	08/21/17 22:22	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		08/22/17 15:00	7440-41-7	
Iron, Dissolved	**26.4**	ug/L	20.0	1		08/22/17 15:00	7439-89-6	
Manganese, Dissolved	**36.6**	ug/L	10.0	1		08/22/17 15:00	7439-96-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		08/22/17 15:00	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**27.3**	ug/L	5.0	1		08/16/17 18:09	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	74-97-5	L1
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-25-2	IL
Bromomethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	74-83-9	CC
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		08/16/17 18:09	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/16/17 18:09	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-45-6	CC,N3
Chloroethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/16/17 18:09	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	74-87-3	CC
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		08/16/17 18:09	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-71-8	CC,L2
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	156-59-2	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	594-20-7	

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Melville, NY 11747
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ANALYTICAL RESULTS

Project: INF/EFF 8/11
Pace Project No.: 7026969

Sample: INFLUENT #2 **Lab ID: 7026969002** Collected: 08/11/17 11:15 Received: 08/11/17 12:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		08/16/17 18:09	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		08/16/17 18:09	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		08/16/17 18:09	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		08/16/17 18:09	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/16/17 18:09	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 18:09	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/16/17 18:09	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		08/16/17 18:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	80	%.	68-153	1		08/16/17 18:09	17060-07-0	
4-Bromofluorobenzene (S)	106	%.	79-124	1		08/16/17 18:09	460-00-4	
Toluene-d8 (S)	102	%.	69-124	1		08/16/17 18:09	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**130**	mg/L	10.0	1		08/17/17 13:55		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		08/14/17 19:08		H3,H6

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ANALYTICAL RESULTS

Project: INF/EFF 8/11
Pace Project No.: 7026969

Sample: EFFLUENT #1 **Lab ID: 7026969003** Collected: 08/11/17 11:30 Received: 08/11/17 12:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	08/18/17 11:23	08/21/17 22:28	7440-41-7	
Iron	**1950**	ug/L	20.0	1	08/18/17 11:23	08/21/17 22:28	7439-89-6	
Manganese	**72.2**	ug/L	10.0	1	08/18/17 11:23	08/21/17 22:28	7439-96-5	
Zinc	**32.7**	ug/L	20.0	1	08/18/17 11:23	08/21/17 22:28	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		08/22/17 15:05	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		08/22/17 15:05	7439-89-6	
Manganese, Dissolved	**45.1**	ug/L	10.0	1		08/22/17 15:05	7439-96-5	
Zinc, Dissolved	**27.2**	ug/L	20.0	1		08/22/17 15:05	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**13.4**	ug/L	5.0	1		08/16/17 17:48	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	74-97-5	L1
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-25-2	IL
Bromomethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	74-83-9	CC
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		08/16/17 17:48	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/16/17 17:48	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-45-6	CC,N3
Chloroethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/16/17 17:48	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	74-87-3	CC
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		08/16/17 17:48	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-71-8	CC,L2
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	156-59-2	L1
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	594-20-7	

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(631)694-3040

ANALYTICAL RESULTS

Project: INF/EFF 8/11
Pace Project No.: 7026969

Sample: EFFLUENT #1 **Lab ID: 7026969003** Collected: 08/11/17 11:30 Received: 08/11/17 12:13 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		08/16/17 17:48	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		08/16/17 17:48	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		08/16/17 17:48	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		08/16/17 17:48	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		08/16/17 17:48	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		08/16/17 17:48	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/16/17 17:48	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		08/16/17 17:48	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	79	%.	68-153	1		08/16/17 17:48	17060-07-0	
4-Bromofluorobenzene (S)	102	%.	79-124	1		08/16/17 17:48	460-00-4	
Toluene-d8 (S)	93	%.	69-124	1		08/16/17 17:48	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**134**	mg/L	10.0	1		08/17/17 13:56		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**7.4**	Std. Units	0.10	1		08/14/17 19:10		H3,H6

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QUALITY CONTROL DATA

Project: INF/EFF 8/11
Pace Project No.: 7026969

QC Batch: 36242 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7026969001, 7026969002, 7026969003

METHOD BLANK: 168998 Matrix: Water
Associated Lab Samples: 7026969001, 7026969002, 7026969003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	08/22/17 14:45	
Iron, Dissolved	ug/L	<20.0	20.0	08/22/17 14:45	
Manganese, Dissolved	ug/L	<10.0	10.0	08/22/17 14:45	
Zinc, Dissolved	ug/L	<20.0	20.0	08/22/17 14:45	

LABORATORY CONTROL SAMPLE: 168999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	51.0	102	85-115	
Iron, Dissolved	ug/L	2000	1960	98	85-115	
Manganese, Dissolved	ug/L	250	251	100	85-115	
Zinc, Dissolved	ug/L	1000	1040	104	85-115	

MATRIX SPIKE SAMPLE: 169035

Parameter	Units	7026978005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	44.9	90	70-130	
Iron, Dissolved	ug/L	172	2000	1840	83	70-130	
Manganese, Dissolved	ug/L	1610	250	1810	82	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	937	94	70-130	

SAMPLE DUPLICATE: 169034

Parameter	Units	7026978005 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	172	171	1	
Manganese, Dissolved	ug/L	1610	1600	0	
Zinc, Dissolved	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: INF/EFF 8/11
Pace Project No.: 7026969

QC Batch: 35880 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7026969001, 7026969002, 7026969003

METHOD BLANK: 167104 Matrix: Water
Associated Lab Samples: 7026969001, 7026969002, 7026969003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	08/21/17 21:05	
Iron	ug/L	<20.0	20.0	08/21/17 21:05	
Manganese	ug/L	<10.0	10.0	08/21/17 21:05	
Zinc	ug/L	<20.0	20.0	08/21/17 21:05	

LABORATORY CONTROL SAMPLE: 167105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	53.5	107	85-115	
Iron	ug/L	2000	2130	106	85-115	
Manganese	ug/L	250	265	106	85-115	
Zinc	ug/L	1000	1060	106	85-115	

MATRIX SPIKE SAMPLE: 167107

Parameter	Units	7026452001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	51.9	104	70-130	
Iron	ug/L	51.4	2000	2190	107	70-130	
Manganese	ug/L	60.0	250	318	103	70-130	
Zinc	ug/L	20.0J	1000	1070	107	70-130	

SAMPLE DUPLICATE: 167106

Parameter	Units	7026452001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	51.4	45.8	11	
Manganese	ug/L	60.0	58.1	3	
Zinc	ug/L	20.0J	<20.0		

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QUALITY CONTROL DATA

Project: INF/EFF 8/11
Pace Project No.: 7026969

QC Batch: 35765 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7026969001, 7026969002, 7026969003

METHOD BLANK: 166719 Matrix: Water
Associated Lab Samples: 7026969001, 7026969002, 7026969003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	08/16/17 12:11	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	08/16/17 12:11	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	08/16/17 12:11	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	08/16/17 12:11	
1,1-Dichloroethane	ug/L	<1.0	1.0	08/16/17 12:11	
1,1-Dichloroethene	ug/L	<1.0	1.0	08/16/17 12:11	
1,1-Dichloropropene	ug/L	<1.0	1.0	08/16/17 12:11	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	08/16/17 12:11	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	08/16/17 12:11	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	08/16/17 12:11	
1,2-Dichloroethane	ug/L	<1.0	1.0	08/16/17 12:11	
1,2-Dichloropropane	ug/L	<1.0	1.0	08/16/17 12:11	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	08/16/17 12:11	
1,3-Dichloropropane	ug/L	<1.0	1.0	08/16/17 12:11	
1,4-Diethylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	08/16/17 12:11	
2-Butanone (MEK)	ug/L	<5.0	5.0	08/16/17 12:11	
2-Chlorotoluene	ug/L	<1.0	1.0	08/16/17 12:11	
2-Hexanone	ug/L	<5.0	5.0	08/16/17 12:11	
4-Chlorotoluene	ug/L	<1.0	1.0	08/16/17 12:11	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	08/16/17 12:11	
Acetone	ug/L	<5.0	5.0	08/16/17 12:11	
Benzene	ug/L	<1.0	1.0	08/16/17 12:11	
Bromobenzene	ug/L	<1.0	1.0	08/16/17 12:11	
Bromochloromethane	ug/L	<1.0	1.0	08/16/17 12:11	
Bromodichloromethane	ug/L	<1.0	1.0	08/16/17 12:11	
Bromoform	ug/L	<1.0	1.0	08/16/17 12:11	IL
Bromomethane	ug/L	<1.0	1.0	08/16/17 12:11	CC
Carbon disulfide	ug/L	<1.0	1.0	08/16/17 12:11	
Carbon tetrachloride	ug/L	<1.0	1.0	08/16/17 12:11	
Chlorobenzene	ug/L	<1.0	1.0	08/16/17 12:11	
Chlorodifluoromethane	ug/L	<1.0	1.0	08/16/17 12:11	CC,N3
Chloroethane	ug/L	<1.0	1.0	08/16/17 12:11	
Chloroform	ug/L	<1.0	1.0	08/16/17 12:11	
Chloromethane	ug/L	<1.0	1.0	08/16/17 12:11	CC
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	08/16/17 12:11	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	08/16/17 12:11	
Dibromochloromethane	ug/L	<1.0	1.0	08/16/17 12:11	

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QUALITY CONTROL DATA

Project: INF/EFF 8/11
Pace Project No.: 7026969

METHOD BLANK: 166719 Matrix: Water
Associated Lab Samples: 7026969001, 7026969002, 7026969003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	08/16/17 12:11	
Dichlorodifluoromethane	ug/L	<1.0	1.0	08/16/17 12:11	CC
Ethanol	ug/L	<250	250	08/16/17 12:11	
Ethylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	08/16/17 12:11	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	08/16/17 12:11	
Methylene Chloride	ug/L	<1.0	1.0	08/16/17 12:11	
n-Butylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	
n-Propylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	
p-Isopropyltoluene	ug/L	<1.0	1.0	08/16/17 12:11	
sec-Butylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	
Styrene	ug/L	<1.0	1.0	08/16/17 12:11	
tert-Butylbenzene	ug/L	<1.0	1.0	08/16/17 12:11	
Tetrachloroethene	ug/L	<1.0	1.0	08/16/17 12:11	
Toluene	ug/L	<1.0	1.0	08/16/17 12:11	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	08/16/17 12:11	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	08/16/17 12:11	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	08/16/17 12:11	
Trichloroethene	ug/L	<1.0	1.0	08/16/17 12:11	
Vinyl chloride	ug/L	<1.0	1.0	08/16/17 12:11	
Xylene (Total)	ug/L	<2.0	2.0	08/16/17 12:11	
1,2-Dichloroethane-d4 (S)	%.	85	68-153	08/16/17 12:11	
4-Bromofluorobenzene (S)	%.	106	79-124	08/16/17 12:11	
Toluene-d8 (S)	%.	98	69-124	08/16/17 12:11	

LABORATORY CONTROL SAMPLE: 166720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.0	96	74-113	
1,1,1-Trichloroethane	ug/L	50	46.5	93	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	46.1	92	74-121	
1,1,2-Trichloroethane	ug/L	50	55.9	112	80-117	
1,1-Dichloroethane	ug/L	50	54.6	109	83-151	
1,1-Dichloroethene	ug/L	50	53.3	107	45-146	
1,1-Dichloropropene	ug/L	50	46.8	94	59-127	
1,2,3-Trichlorobenzene	ug/L	50	50.7	101	67-103	
1,2,3-Trichloropropane	ug/L	50	46.5	93	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	45.2	90	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	47.0	94	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	55.2	110	83-115	
1,2-Dichloroethane	ug/L	50	51.3	103	74-129	
1,2-Dichloropropane	ug/L	50	55.0	110	75-117	
1,3,5-Trimethylbenzene	ug/L	50	44.1	88	67-116	
1,3-Dichlorobenzene	ug/L	50	48.8	98	71-112	

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QUALITY CONTROL DATA

Project: INF/EFF 8/11
Pace Project No.: 7026969

LABORATORY CONTROL SAMPLE: 166720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	52.0	104	74-112	
1,4-Diethylbenzene	ug/L	50	45.0	90	56-130	N3
2,2-Dichloropropane	ug/L	50	51.2	102	63-133	
2-Butanone (MEK)	ug/L	50	53.1	106	44-162	
2-Chlorotoluene	ug/L	50	45.2	90	74-101	
2-Hexanone	ug/L	50	52.0	104	32-183	
4-Chlorotoluene	ug/L	50	45.4	91	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	58.3	117	69-132	
Acetone	ug/L	50	55.3	111	23-188	
Benzene	ug/L	50	54.4	109	73-119	
Bromobenzene	ug/L	50	47.2	94	72-102	
Bromochloromethane	ug/L	50	58.6	117	81-116	L1
Bromodichloromethane	ug/L	50	50.3	101	78-117	
Bromoform	ug/L	50	49.8	100	65-122	IL
Bromomethane	ug/L	50	35.5	71	52-147	CC
Carbon disulfide	ug/L	50	55.6	111	41-144	
Carbon tetrachloride	ug/L	50	46.9	94	59-120	
Chlorobenzene	ug/L	50	49.8	100	75-113	
Chlorodifluoromethane	ug/L	50	39.8	80	43-140	CC,N3
Chloroethane	ug/L	50	47.6	95	49-151	
Chloroform	ug/L	50	53.9	108	72-122	
Chloromethane	ug/L	50	30.7	61	46-144	CC
cis-1,2-Dichloroethene	ug/L	50	62.6	125	72-121	L1
cis-1,3-Dichloropropene	ug/L	50	55.2	110	78-116	
Dibromochloromethane	ug/L	50	48.7	97	70-120	
Dibromomethane	ug/L	50	52.5	105	75-125	
Dichlorodifluoromethane	ug/L	50	9.2	18	22-154	CC,L2
Ethanol	ug/L	1250	1320	106	10-151	
Ethylbenzene	ug/L	50	52.6	105	70-113	
Hexachloro-1,3-butadiene	ug/L	50	46.5	93	59-121	
Isopropylbenzene (Cumene)	ug/L	50	47.1	94	67-115	
Methylene Chloride	ug/L	50	61.0	122	61-142	
n-Butylbenzene	ug/L	50	45.8	92	73-107	
n-Propylbenzene	ug/L	50	46.4	93	68-116	
p-Isopropyltoluene	ug/L	50	46.4	93	73-101	
sec-Butylbenzene	ug/L	50	46.9	94	72-103	
Styrene	ug/L	50	49.7	99	72-118	
tert-Butylbenzene	ug/L	50	45.5	91	68-100	
Tetrachloroethene	ug/L	50	55.8	112	60-128	
Toluene	ug/L	50	56.9	114	72-119	
trans-1,2-Dichloroethene	ug/L	50	57.1	114	56-142	
trans-1,3-Dichloropropene	ug/L	50	53.8	108	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	41.9	84	71-121	
Trichloroethene	ug/L	50	51.0	102	69-117	
Vinyl chloride	ug/L	50	41.7	83	43-143	
Xylene (Total)	ug/L	150	153	102	71-109	
1,2-Dichloroethane-d4 (S)	%.			80	68-153	

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QUALITY CONTROL DATA

Project: INF/EFF 8/11
Pace Project No.: 7026969

LABORATORY CONTROL SAMPLE: 166720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			102	79-124	
Toluene-d8 (S)	%.			91	69-124	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INF/EFF 8/11
Pace Project No.: 7026969

QC Batch: 35714 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7026969001, 7026969002, 7026969003

METHOD BLANK: 166474 Matrix: Water
Associated Lab Samples: 7026969001, 7026969002, 7026969003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	08/17/17 13:53	

LABORATORY CONTROL SAMPLE: 166475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	510	102	85-115	

MATRIX SPIKE SAMPLE: 166477

Parameter	Units	7026754012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	413	300	704	97	75-125	

MATRIX SPIKE SAMPLE: 166479

Parameter	Units	7027155001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	381	300	654	91	75-125	

SAMPLE DUPLICATE: 166476

Parameter	Units	7026754012 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	413	412	0	

SAMPLE DUPLICATE: 166478

Parameter	Units	7027155001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	381	391	3	

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REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INF/EFF 8/11
Pace Project No.: 7026969

QC Batch: 35241 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 7026969001, 7026969002, 7026969003

SAMPLE DUPLICATE: 164228

Parameter	Units	7026969001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	5.9	5.9	1	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: INF/EFF 8/11
Pace Project No.: 7026969

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: INF/EFF 8/11
Pace Project No.: 7026969

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7026969001	**INFLUENT #1**	EPA 200.7	35880	EPA 200.7	35898
7026969002	**INFLUENT #2**	EPA 200.7	35880	EPA 200.7	35898
7026969003	**EFFLUENT #1**	EPA 200.7	35880	EPA 200.7	35898
7026969001	**INFLUENT #1**	EPA 200.7	36242		
7026969002	**INFLUENT #2**	EPA 200.7	36242		
7026969003	**EFFLUENT #1**	EPA 200.7	36242		
7026969001	**INFLUENT #1**	EPA 8260C/5030C	35765		
7026969002	**INFLUENT #2**	EPA 8260C/5030C	35765		
7026969003	**EFFLUENT #1**	EPA 8260C/5030C	35765		
7026969001	**INFLUENT #1**	SM22 2540C	35714		
7026969002	**INFLUENT #2**	SM22 2540C	35714		
7026969003	**EFFLUENT #1**	SM22 2540C	35714		
7026969001	**INFLUENT #1**	EPA 9040C	35241		
7026969002	**INFLUENT #2**	EPA 9040C	35241		
7026969003	**EFFLUENT #1**	EPA 9040C	35241		

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WO#:7026969

8-11-17

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of

Section A
Required Client Information:

Company:	Wire to Water
Address:	136 Gazza Blvd.
	Farmingdale NY 11735
Email To:	Paul@wiretowater.com
Phone: (631) 777-7310	Fax: (631) 777-7312
Requested Due Date/TAT:	

Report To:	Fairchild - Mairoll Corp
Copy To:	Wire to Water
Purchase Order No.:	
Project Name:	
Project Number:	

Section C
Invoice Information:

Attention:	Donald Miller
Company Name:	Fairchild Mairoll Corp
Address:	1600 Tysons Blvd. Suite 100 McLean V
Pace Quote Reference:	PH:(703)478-5800
Pace Project Manager:	Fax:(703) 478-5775
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NY

LAB# REF 1412438

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	40ml-VOC+Freon	TDS	PH	Total Metals(Fe,Mn,Zn)	Dissolved Mets(Fe,Mn,Zn)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	INFLUENT #1		G			8/11/17	11:00		5																	
2	INFLUENT #2		G			8/11/17	11:15		5																	
3	EFFLUENT #1		G			8/11/17	11:30		5																	
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Bonnici	8-11-17	12:43	Nicolette Bell	8/11/17	12:43	11.9	Y WI	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JAMES BONNICI

SIGNATURE of SAMPLER: James Bonnici DATE Signed (MM/DD/YY): 8-11-17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical™ Energy Around Laboratory

Client Name: Wire to Water

Proj

WO#: 7026969

PM: JDS Due Date: 08/22/17

CLIENT: FAIR

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH092 Correction Factor: 0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 11.9 Cooler Temperature Corrected (°C): 11.9

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: 8/11/17 NC

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC601354				
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Sample #
				Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

September 08, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Dear James:
Enclosed are the analytical results for sample(s) received by the laboratory on September 01, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Sample: INFLUENT #1 **Lab ID: 7028773001** Collected: 09/01/17 11:30 Received: 09/01/17 15:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	09/07/17 10:29	09/07/17 21:15	7440-41-7	
Iron	**181**	ug/L	20.0	1	09/07/17 10:29	09/07/17 21:15	7439-89-6	
Manganese	**100**	ug/L	10.0	1	09/07/17 10:29	09/07/17 21:15	7439-96-5	
Zinc	**5020**	ug/L	20.0	1	09/07/17 10:29	09/07/17 21:15	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		09/05/17 20:57	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		09/05/17 20:57	7439-89-6	
Manganese, Dissolved	**81.1**	ug/L	10.0	1		09/05/17 20:57	7439-96-5	
Zinc, Dissolved	**145**	ug/L	20.0	1		09/05/17 20:57	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<100**	ug/L	100	20		09/06/17 22:50	67-64-1	
Benzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	71-43-2	
Bromobenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	108-86-1	
Bromochloromethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	74-97-5	
Bromodichloromethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-27-4	
Bromoform	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-25-2	
Bromomethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	74-83-9	
2-Butanone (MEK)	**<100**	ug/L	100	20		09/06/17 22:50	78-93-3	CL
n-Butylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	104-51-8	
sec-Butylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	135-98-8	
tert-Butylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	98-06-6	
Carbon disulfide	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-15-0	
Carbon tetrachloride	**<20.0**	ug/L	20.0	20		09/06/17 22:50	56-23-5	
Chlorobenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	108-90-7	
Chlorodifluoromethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-45-6	N3
Chloroethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-00-3	CL
Chloroform	**<20.0**	ug/L	20.0	20		09/06/17 22:50	67-66-3	
Chloromethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	74-87-3	
2-Chlorotoluene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	95-49-8	
4-Chlorotoluene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	106-43-4	
Dibromochloromethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	124-48-1	
1,2-Dibromoethane (EDB)	**<20.0**	ug/L	20.0	20		09/06/17 22:50	106-93-4	
Dibromomethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	74-95-3	
1,3-Dichlorobenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	541-73-1	
trans-1,4-Dichloro-2-butene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	110-57-6	CL
Dichlorodifluoromethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-71-8	
1,1-Dichloroethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-34-3	
1,2-Dichloroethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	107-06-2	
1,1-Dichloroethene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-35-4	
cis-1,2-Dichloroethene	**208**	ug/L	20.0	20		09/06/17 22:50	156-59-2	
trans-1,2-Dichloroethene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	156-60-5	
1,2-Dichloropropane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	78-87-5	
1,3-Dichloropropane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	142-28-9	
2,2-Dichloropropane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	594-20-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Sample: INFLUENT #1 **Lab ID: 7028773001** Collected: 09/01/17 11:30 Received: 09/01/17 15:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	563-58-6	
cis-1,3-Dichloropropene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	10061-01-5	
trans-1,3-Dichloropropene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	10061-02-6	
1,4-Diethylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	105-05-5	N3
Ethanol	**<5000**	ug/L	5000	20		09/06/17 22:50	64-17-5	
Ethylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	100-41-4	
Hexachloro-1,3-butadiene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	87-68-3	
2-Hexanone	**<100**	ug/L	100	20		09/06/17 22:50	591-78-6	
Isopropylbenzene (Cumene)	**<20.0**	ug/L	20.0	20		09/06/17 22:50	98-82-8	
p-Isopropyltoluene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	99-87-6	
Methylene Chloride	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<100**	ug/L	100	20		09/06/17 22:50	108-10-1	
n-Propylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	103-65-1	
Styrene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	100-42-5	
1,1,1,2-Tetrachloroethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	79-34-5	
Tetrachloroethene	**951**	ug/L	20.0	20		09/06/17 22:50	127-18-4	
1,2,4,5-tetramethylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	95-93-2	N3
Toluene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	108-88-3	
1,2,3-Trichlorobenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	87-61-6	
1,1,1-Trichloroethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	71-55-6	
1,1,2-Trichloroethane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	79-00-5	
Trichloroethene	**139**	ug/L	20.0	20		09/06/17 22:50	79-01-6	
1,2,3-Trichloropropane	**<20.0**	ug/L	20.0	20		09/06/17 22:50	96-18-4	
1,2,4-Trimethylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	95-63-6	
1,3,5-Trimethylbenzene	**<20.0**	ug/L	20.0	20		09/06/17 22:50	108-67-8	
Vinyl chloride	**<20.0**	ug/L	20.0	20		09/06/17 22:50	75-01-4	
Xylene (Total)	**<40.0**	ug/L	40.0	20		09/06/17 22:50	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	87	%.	68-153	20		09/06/17 22:50	17060-07-0	
4-Bromofluorobenzene (S)	108	%.	79-124	20		09/06/17 22:50	460-00-4	
Toluene-d8 (S)	98	%.	69-124	20		09/06/17 22:50	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**130**	mg/L	10.0	1		09/05/17 14:01		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**7.2**	Std. Units	0.10	1		09/01/17 23:48		H3,H6

09/01/2017 Influent Data
Total CVOC- 1298 ppb

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Sample: INFLUENT #2 **Lab ID: 7028773002** Collected: 09/01/17 11:45 Received: 09/01/17 15:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	09/07/17 10:29	09/07/17 21:50	7440-41-7	
Iron	**827**	ug/L	20.0	1	09/07/17 10:29	09/07/17 21:50	7439-89-6	
Manganese	**79.3**	ug/L	10.0	1	09/07/17 10:29	09/07/17 21:50	7439-96-5	
Zinc	**22.0**	ug/L	20.0	1	09/07/17 10:29	09/07/17 21:50	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		09/05/17 21:02	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		09/05/17 21:02	7439-89-6	
Manganese, Dissolved	**75.6**	ug/L	10.0	1		09/05/17 21:02	7439-96-5	
Zinc, Dissolved	**26.8**	ug/L	20.0	1		09/05/17 21:02	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**34.0**	ug/L	5.0	1		09/07/17 09:56	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/07/17 09:56	78-93-3	CL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/07/17 09:56	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		09/07/17 09:56	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/07/17 09:56	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	110-57-6	CL
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	594-20-7	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Sample: INFLUENT #2 **Lab ID: 7028773002** Collected: 09/01/17 11:45 Received: 09/01/17 15:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		09/07/17 09:56	64-17-5	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		09/07/17 09:56	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/07/17 09:56	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/07/17 09:56	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/07/17 09:56	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/07/17 09:56	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/07/17 09:56	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		09/07/17 09:56	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	87	%.	68-153	1		09/07/17 09:56	17060-07-0	
4-Bromofluorobenzene (S)	109	%.	79-124	1		09/07/17 09:56	460-00-4	
Toluene-d8 (S)	97	%.	69-124	1		09/07/17 09:56	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**124**	mg/L	10.0	1		09/05/17 14:03		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		09/01/17 23:52		H3,H6

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(631)694-3040

ANALYTICAL RESULTS

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Sample: EFFLUENT #1 **Lab ID: 7028773003** Collected: 09/01/17 12:00 Received: 09/01/17 15:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	09/07/17 10:29	09/07/17 21:55	7440-41-7	
Iron	**859**	ug/L	20.0	1	09/07/17 10:29	09/07/17 21:55	7439-89-6	
Manganese	**82.3**	ug/L	10.0	1	09/07/17 10:29	09/07/17 21:55	7439-96-5	
Zinc	**51.2**	ug/L	20.0	1	09/07/17 10:29	09/07/17 21:55	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		09/05/17 21:07	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		09/05/17 21:07	7439-89-6	
Manganese, Dissolved	**74.8**	ug/L	10.0	1		09/05/17 21:07	7439-96-5	
Zinc, Dissolved	**54.1**	ug/L	20.0	1		09/05/17 21:07	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**30.5**	ug/L	5.0	1		09/06/17 21:56	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/06/17 21:56	78-93-3	CL
n-Butylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/06/17 21:56	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-00-3	CL
Chloroform	**<1.0**	ug/L	1.0	1		09/06/17 21:56	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		09/06/17 21:56	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	110-57-6	CL
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-71-8	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	594-20-7	

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ANALYTICAL RESULTS

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Sample: EFFLUENT #1 **Lab ID: 7028773003** Collected: 09/01/17 12:00 Received: 09/01/17 15:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		09/06/17 21:56	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		09/06/17 21:56	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		09/06/17 21:56	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/06/17 21:56	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		09/06/17 21:56	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		09/06/17 21:56	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/06/17 21:56	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		09/06/17 21:56	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%.	68-153	1		09/06/17 21:56	17060-07-0	
4-Bromofluorobenzene (S)	105	%.	79-124	1		09/06/17 21:56	460-00-4	
Toluene-d8 (S)	98	%.	69-124	1		09/06/17 21:56	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**122**	mg/L	10.0	1		09/05/17 14:04		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**7.2**	Std. Units	0.10	1		09/01/17 23:54		H3,H6

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(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

QC Batch: 37846 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7028773001, 7028773002, 7028773003

METHOD BLANK: 175416 Matrix: Water
Associated Lab Samples: 7028773001, 7028773002, 7028773003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	09/05/17 20:47	
Iron, Dissolved	ug/L	<20.0	20.0	09/05/17 20:47	
Manganese, Dissolved	ug/L	<10.0	10.0	09/05/17 20:47	
Zinc, Dissolved	ug/L	<20.0	20.0	09/05/17 20:47	

LABORATORY CONTROL SAMPLE: 175417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	50.8	102	85-115	
Iron, Dissolved	ug/L	2000	2030	101	85-115	
Manganese, Dissolved	ug/L	250	256	103	85-115	
Zinc, Dissolved	ug/L	1000	1030	103	85-115	

MATRIX SPIKE SAMPLE: 175430

Parameter	Units	7028339007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	47.0	94	70-130	
Iron, Dissolved	ug/L	<20.0	2000	1590	80	70-130	
Manganese, Dissolved	ug/L	39.8	250	279	96	70-130	
Zinc, Dissolved	ug/L	8.9J	1000	1090	108	70-130	

SAMPLE DUPLICATE: 175429

Parameter	Units	7028339007 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	<20.0	<400		
Manganese, Dissolved	ug/L	39.8	38.9	2	
Zinc, Dissolved	ug/L	8.9J	<20.0		

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

QC Batch: 38226 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7028773001, 7028773002, 7028773003

METHOD BLANK: 177331 Matrix: Water
Associated Lab Samples: 7028773001, 7028773002, 7028773003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	09/07/17 20:50	
Iron	ug/L	<20.0	20.0	09/07/17 20:50	
Manganese	ug/L	<10.0	10.0	09/07/17 20:50	
Zinc	ug/L	<20.0	20.0	09/07/17 20:50	

LABORATORY CONTROL SAMPLE: 177332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	52.8	106	85-115	
Iron	ug/L	2000	2060	103	85-115	
Manganese	ug/L	250	263	105	85-115	
Zinc	ug/L	1000	1060	106	85-115	

MATRIX SPIKE SAMPLE: 177334

Parameter	Units	7028773001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	51.2	102	70-130	
Iron	ug/L	181	2000	2200	101	70-130	
Manganese	ug/L	100	250	350	100	70-130	
Zinc	ug/L	5020	1000	5750	74	70-130	

SAMPLE DUPLICATE: 177333

Parameter	Units	7028773001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	181	178	1	
Manganese	ug/L	100	100	0	
Zinc	ug/L	5020	5030	0	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

QC Batch: 38070 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7028773001, 7028773003

METHOD BLANK: 176552 Matrix: Water
Associated Lab Samples: 7028773001, 7028773003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	09/06/17 15:42	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/06/17 15:42	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/06/17 15:42	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/06/17 15:42	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/06/17 15:42	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/06/17 15:42	
1,1-Dichloropropene	ug/L	<1.0	1.0	09/06/17 15:42	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	09/06/17 15:42	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	09/06/17 15:42	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	09/06/17 15:42	
1,2-Dichloroethane	ug/L	<1.0	1.0	09/06/17 15:42	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/06/17 15:42	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	09/06/17 15:42	
1,3-Dichloropropane	ug/L	<1.0	1.0	09/06/17 15:42	
1,4-Diethylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	09/06/17 15:42	
2-Butanone (MEK)	ug/L	<5.0	5.0	09/06/17 15:42	CL
2-Chlorotoluene	ug/L	<1.0	1.0	09/06/17 15:42	
2-Hexanone	ug/L	<5.0	5.0	09/06/17 15:42	
4-Chlorotoluene	ug/L	<1.0	1.0	09/06/17 15:42	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	09/06/17 15:42	
Acetone	ug/L	<5.0	5.0	09/06/17 15:42	
Benzene	ug/L	<1.0	1.0	09/06/17 15:42	
Bromobenzene	ug/L	<1.0	1.0	09/06/17 15:42	
Bromochloromethane	ug/L	<1.0	1.0	09/06/17 15:42	
Bromodichloromethane	ug/L	<1.0	1.0	09/06/17 15:42	
Bromoform	ug/L	<1.0	1.0	09/06/17 15:42	
Bromomethane	ug/L	<1.0	1.0	09/06/17 15:42	
Carbon disulfide	ug/L	<1.0	1.0	09/06/17 15:42	
Carbon tetrachloride	ug/L	<1.0	1.0	09/06/17 15:42	
Chlorobenzene	ug/L	<1.0	1.0	09/06/17 15:42	
Chlorodifluoromethane	ug/L	<1.0	1.0	09/06/17 15:42	N3
Chloroethane	ug/L	<1.0	1.0	09/06/17 15:42	CL
Chloroform	ug/L	<1.0	1.0	09/06/17 15:42	
Chloromethane	ug/L	<1.0	1.0	09/06/17 15:42	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	09/06/17 15:42	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/06/17 15:42	
Dibromochloromethane	ug/L	<1.0	1.0	09/06/17 15:42	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

METHOD BLANK: 176552 Matrix: Water
Associated Lab Samples: 7028773001, 7028773003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	09/06/17 15:42	
Dichlorodifluoromethane	ug/L	<1.0	1.0	09/06/17 15:42	
Ethanol	ug/L	<250	250	09/06/17 15:42	
Ethylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	09/06/17 15:42	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	09/06/17 15:42	
Methylene Chloride	ug/L	<1.0	1.0	09/06/17 15:42	
n-Butylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	
n-Propylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	
p-Isopropyltoluene	ug/L	<1.0	1.0	09/06/17 15:42	
sec-Butylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	
Styrene	ug/L	<1.0	1.0	09/06/17 15:42	
tert-Butylbenzene	ug/L	<1.0	1.0	09/06/17 15:42	
Tetrachloroethene	ug/L	<1.0	1.0	09/06/17 15:42	
Toluene	ug/L	<1.0	1.0	09/06/17 15:42	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	09/06/17 15:42	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/06/17 15:42	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	09/06/17 15:42	CL
Trichloroethene	ug/L	<1.0	1.0	09/06/17 15:42	
Vinyl chloride	ug/L	<1.0	1.0	09/06/17 15:42	
Xylene (Total)	ug/L	<2.0	2.0	09/06/17 15:42	
1,2-Dichloroethane-d4 (S)	%.	88	68-153	09/06/17 15:42	
4-Bromofluorobenzene (S)	%.	107	79-124	09/06/17 15:42	
Toluene-d8 (S)	%.	98	69-124	09/06/17 15:42	

LABORATORY CONTROL SAMPLE: 176553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.2	108	74-113	
1,1,1-Trichloroethane	ug/L	50	50.9	102	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	42.0	84	74-121	
1,1,2-Trichloroethane	ug/L	50	48.7	97	80-117	
1,1-Dichloroethane	ug/L	50	43.1	86	83-151	
1,1-Dichloroethene	ug/L	50	52.5	105	45-146	
1,1-Dichloropropene	ug/L	50	49.2	98	59-127	
1,2,3-Trichlorobenzene	ug/L	50	46.3	93	67-103	
1,2,3-Trichloropropane	ug/L	50	46.6	93	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	43.3	87	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	42.7	85	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	55.2	110	83-115	
1,2-Dichloroethane	ug/L	50	46.9	94	74-129	
1,2-Dichloropropane	ug/L	50	46.8	94	75-117	
1,3,5-Trimethylbenzene	ug/L	50	42.4	85	67-116	
1,3-Dichlorobenzene	ug/L	50	47.7	95	71-112	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

LABORATORY CONTROL SAMPLE: 176553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	49.4	99	74-112	
1,4-Diethylbenzene	ug/L	50	42.8	86	56-130	N3
2,2-Dichloropropane	ug/L	50	46.1	92	63-133	
2-Butanone (MEK)	ug/L	50	33.2	66	44-162	CL
2-Chlorotoluene	ug/L	50	42.5	85	74-101	
2-Hexanone	ug/L	50	42.7	85	32-183	
4-Chlorotoluene	ug/L	50	42.9	86	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	42.7	85	69-132	
Acetone	ug/L	50	45.9	92	23-188	
Benzene	ug/L	50	48.3	97	73-119	
Bromobenzene	ug/L	50	48.4	97	72-102	
Bromochloromethane	ug/L	50	52.3	105	81-116	
Bromodichloromethane	ug/L	50	49.9	100	78-117	
Bromoform	ug/L	50	56.2	112	65-122	
Bromomethane	ug/L	50	41.1	82	52-147	
Carbon disulfide	ug/L	50	49.7	99	41-144	
Carbon tetrachloride	ug/L	50	50.7	101	59-120	
Chlorobenzene	ug/L	50	53.6	107	75-113	
Chlorodifluoromethane	ug/L	50	43.8	88	43-140	N3
Chloroethane	ug/L	50	36.5	73	49-151	CL
Chloroform	ug/L	50	45.7	91	72-122	
Chloromethane	ug/L	50	38.1	76	46-144	
cis-1,2-Dichloroethene	ug/L	50	48.6	97	72-121	
cis-1,3-Dichloropropene	ug/L	50	50.3	101	78-116	
Dibromochloromethane	ug/L	50	53.8	108	70-120	
Dibromomethane	ug/L	50	52.4	105	75-125	
Dichlorodifluoromethane	ug/L	50	54.4	109	22-154	
Ethanol	ug/L	1250	973	78	10-151	
Ethylbenzene	ug/L	50	51.4	103	70-113	
Hexachloro-1,3-butadiene	ug/L	50	45.4	91	59-121	
Isopropylbenzene (Cumene)	ug/L	50	43.3	87	67-115	
Methylene Chloride	ug/L	50	40.9	82	61-142	
n-Butylbenzene	ug/L	50	40.6	81	73-107	
n-Propylbenzene	ug/L	50	41.7	83	68-116	
p-Isopropyltoluene	ug/L	50	43.4	87	73-101	
sec-Butylbenzene	ug/L	50	41.4	83	72-103	
Styrene	ug/L	50	53.8	108	72-118	
tert-Butylbenzene	ug/L	50	43.6	87	68-100	
Tetrachloroethene	ug/L	50	52.1	104	60-128	
Toluene	ug/L	50	50.4	101	72-119	
trans-1,2-Dichloroethene	ug/L	50	48.5	97	56-142	
trans-1,3-Dichloropropene	ug/L	50	52.9	106	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	35.5	71	71-121	CL
Trichloroethene	ug/L	50	51.2	102	69-117	
Vinyl chloride	ug/L	50	41.5	83	43-143	
Xylene (Total)	ug/L	150	157	105	71-109	
1,2-Dichloroethane-d4 (S)	%.			86	68-153	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

LABORATORY CONTROL SAMPLE: 176553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			107	79-124	
Toluene-d8 (S)	%.			97	69-124	

MATRIX SPIKE SAMPLE: 177142

Parameter	Units	7028768002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	56.0	112	74-113	
1,1,1-Trichloroethane	ug/L	ND	50	57.1	114	65-118	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	39.3	79	74-121	
1,1,2-Trichloroethane	ug/L	ND	50	49.8	100	80-117	
1,1-Dichloroethane	ug/L	ND	50	46.2	92	83-151	
1,1-Dichloroethene	ug/L	ND	50	58.4	117	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	56.3	113	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	46.1	92	67-103	
1,2,3-Trichloropropane	ug/L	ND	50	45.3	91	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	47.1	94	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	45.9	92	68-116	
1,2-Dibromoethane (EDB)	ug/L	ND	50	55.1	110	83-115	
1,2-Dichloroethane	ug/L	ND	50	47.6	95	74-129	
1,2-Dichloropropane	ug/L	ND	50	49.5	99	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	46.2	92	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	50.0	100	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	49.4	99	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	47.7	95	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	48.4	97	63-133	
2-Butanone (MEK)	ug/L	ND	50	30.6	61	44-162	CL
2-Chlorotoluene	ug/L	<1.0	50	45.6	91	74-101	
2-Hexanone	ug/L	ND	50	40.4	81	32-183	
4-Chlorotoluene	ug/L	<1.0	50	46.1	92	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	39.4	79	69-132	
Acetone	ug/L	24.2	50	47.5	47	23-188	
Benzene	ug/L	ND	50	53.2	106	73-119	
Bromobenzene	ug/L	<1.0	50	50.6	101	72-102	
Bromochloromethane	ug/L	ND	50	53.4	107	81-116	
Bromodichloromethane	ug/L	ND	50	52.6	105	78-117	
Bromoform	ug/L	ND	50	54.0	108	65-122	
Bromomethane	ug/L	ND	50	41.1	82	52-147	
Carbon disulfide	ug/L	ND	50	58.1	116	41-144	
Carbon tetrachloride	ug/L	ND	50	57.0	114	59-120	
Chlorobenzene	ug/L	ND	50	57.4	115	75-113	M1
Chlorodifluoromethane	ug/L	13.4	50	59.1	91	43-140	N3
Chloroethane	ug/L	ND	50	39.7	79	49-151	CL
Chloroform	ug/L	ND	50	48.6	97	72-122	
Chloromethane	ug/L	ND	50	40.7	81	46-144	
cis-1,2-Dichloroethene	ug/L	ND	50	51.9	104	72-121	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

MATRIX SPIKE SAMPLE: 177142

Parameter	Units	7028768002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	50	51.8	104	78-116	
Dibromochloromethane	ug/L	ND	50	54.0	108	70-120	
Dibromomethane	ug/L	ND	50	51.9	104	75-125	
Dichlorodifluoromethane	ug/L	2.7	50	62.0	119	22-154	
Ethanol	ug/L	<250	1250	1070	85	10-151	
Ethylbenzene	ug/L	ND	50	55.8	112	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	54.2	108	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	47.8	96	67-115	
Methylene Chloride	ug/L	ND	50	49.7	97	61-142	
n-Butylbenzene	ug/L	<1.0	50	46.1	92	73-107	
n-Propylbenzene	ug/L	<1.0	50	45.5	91	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	48.8	98	73-101	
sec-Butylbenzene	ug/L	<1.0	50	47.2	94	72-103	
Styrene	ug/L	ND	50	56.7	113	72-118	
tert-Butylbenzene	ug/L	<1.0	50	48.3	97	68-100	
Tetrachloroethene	ug/L	ND	50	58.8	118	60-128	
Toluene	ug/L	ND	50	55.8	112	72-119	
trans-1,2-Dichloroethene	ug/L	ND	50	54.2	108	56-142	
trans-1,3-Dichloropropene	ug/L	ND	50	52.5	105	79-116	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	32.1	64	71-121	CL,M1
Trichloroethene	ug/L	ND	50	58.0	116	69-117	
Vinyl chloride	ug/L	<1.0	50	44.1	88	43-143	
Xylene (Total)	ug/L	ND	150	169	113	71-109	
1,2-Dichloroethane-d4 (S)	%.				83	68-153	
4-Bromofluorobenzene (S)	%.				105	79-124	
Toluene-d8 (S)	%.				96	69-124	

SAMPLE DUPLICATE: 177143

Parameter	Units	7028768002 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	<1.0		
1,1,1-Trichloroethane	ug/L	ND	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	ND	<1.0		
1,1,2-Trichloroethane	ug/L	ND	<1.0		
1,1-Dichloroethane	ug/L	ND	<1.0		
1,1-Dichloroethene	ug/L	ND	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	ND	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	ND	<1.0		
1,2-Dichloroethane	ug/L	ND	<1.0		
1,2-Dichloropropane	ug/L	ND	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

SAMPLE DUPLICATE: 177143

Parameter	Units	7028768002 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	ND	<5.0		CL
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	ND	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	<5.0		
Acetone	ug/L	24.2	22.6	7	
Benzene	ug/L	ND	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	ND	<1.0		
Bromodichloromethane	ug/L	ND	<1.0		
Bromoform	ug/L	ND	<1.0		
Bromomethane	ug/L	ND	<1.0		
Carbon disulfide	ug/L	ND	<1.0		
Carbon tetrachloride	ug/L	ND	<1.0		
Chlorobenzene	ug/L	ND	<1.0		
Chlorodifluoromethane	ug/L	13.4	10.4	25	D6,N3
Chloroethane	ug/L	ND	<1.0		CL
Chloroform	ug/L	ND	<1.0		
Chloromethane	ug/L	ND	<1.0		
cis-1,2-Dichloroethene	ug/L	ND	<1.0		
cis-1,3-Dichloropropene	ug/L	ND	<1.0		
Dibromochloromethane	ug/L	ND	<1.0		
Dibromomethane	ug/L	ND	<1.0		
Dichlorodifluoromethane	ug/L	2.7	1.9	33	D6
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	ND	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	ND	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	ND	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	ND	<1.0		
Toluene	ug/L	ND	<1.0		
trans-1,2-Dichloroethene	ug/L	ND	<1.0		
trans-1,3-Dichloropropene	ug/L	ND	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	ND	<1.0		CL
Trichloroethene	ug/L	ND	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	ND	<2.0		

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

SAMPLE DUPLICATE: 177143

Parameter	Units	7028768002 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	85	86	1	
4-Bromofluorobenzene (S)	%.	105	106	1	
Toluene-d8 (S)	%.	97	97	0	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

QC Batch: 38140 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7028773002

METHOD BLANK: 177069 Matrix: Water
Associated Lab Samples: 7028773002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	09/07/17 08:23	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/07/17 08:23	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/07/17 08:23	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/07/17 08:23	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/07/17 08:23	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/07/17 08:23	
1,1-Dichloropropene	ug/L	<1.0	1.0	09/07/17 08:23	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	09/07/17 08:23	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	09/07/17 08:23	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	09/07/17 08:23	
1,2-Dichloroethane	ug/L	<1.0	1.0	09/07/17 08:23	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/07/17 08:23	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	09/07/17 08:23	
1,3-Dichloropropane	ug/L	<1.0	1.0	09/07/17 08:23	
1,4-Diethylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	09/07/17 08:23	
2-Butanone (MEK)	ug/L	<5.0	5.0	09/07/17 08:23	CL
2-Chlorotoluene	ug/L	<1.0	1.0	09/07/17 08:23	
2-Hexanone	ug/L	<5.0	5.0	09/07/17 08:23	
4-Chlorotoluene	ug/L	<1.0	1.0	09/07/17 08:23	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	09/07/17 08:23	
Acetone	ug/L	<5.0	5.0	09/07/17 08:23	
Benzene	ug/L	<1.0	1.0	09/07/17 08:23	
Bromobenzene	ug/L	<1.0	1.0	09/07/17 08:23	
Bromochloromethane	ug/L	<1.0	1.0	09/07/17 08:23	
Bromodichloromethane	ug/L	<1.0	1.0	09/07/17 08:23	
Bromoform	ug/L	<1.0	1.0	09/07/17 08:23	
Bromomethane	ug/L	<1.0	1.0	09/07/17 08:23	
Carbon disulfide	ug/L	<1.0	1.0	09/07/17 08:23	
Carbon tetrachloride	ug/L	<1.0	1.0	09/07/17 08:23	
Chlorobenzene	ug/L	<1.0	1.0	09/07/17 08:23	
Chlorodifluoromethane	ug/L	<1.0	1.0	09/07/17 08:23	N3
Chloroethane	ug/L	<1.0	1.0	09/07/17 08:23	
Chloroform	ug/L	<1.0	1.0	09/07/17 08:23	
Chloromethane	ug/L	<1.0	1.0	09/07/17 08:23	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	09/07/17 08:23	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/07/17 08:23	
Dibromochloromethane	ug/L	<1.0	1.0	09/07/17 08:23	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

METHOD BLANK: 177069 Matrix: Water
Associated Lab Samples: 7028773002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	09/07/17 08:23	
Dichlorodifluoromethane	ug/L	<1.0	1.0	09/07/17 08:23	
Ethanol	ug/L	<250	250	09/07/17 08:23	CL
Ethylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	09/07/17 08:23	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	09/07/17 08:23	
Methylene Chloride	ug/L	<1.0	1.0	09/07/17 08:23	
n-Butylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	
n-Propylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	
p-Isopropyltoluene	ug/L	<1.0	1.0	09/07/17 08:23	
sec-Butylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	
Styrene	ug/L	<1.0	1.0	09/07/17 08:23	
tert-Butylbenzene	ug/L	<1.0	1.0	09/07/17 08:23	
Tetrachloroethene	ug/L	<1.0	1.0	09/07/17 08:23	
Toluene	ug/L	<1.0	1.0	09/07/17 08:23	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	09/07/17 08:23	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/07/17 08:23	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	09/07/17 08:23	CL
Trichloroethene	ug/L	<1.0	1.0	09/07/17 08:23	
Vinyl chloride	ug/L	<1.0	1.0	09/07/17 08:23	
Xylene (Total)	ug/L	<2.0	2.0	09/07/17 08:23	
1,2-Dichloroethane-d4 (S)	%.	87	68-153	09/07/17 08:23	
4-Bromofluorobenzene (S)	%.	109	79-124	09/07/17 08:23	
Toluene-d8 (S)	%.	98	69-124	09/07/17 08:23	

LABORATORY CONTROL SAMPLE: 177070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.1	112	74-113	
1,1,1-Trichloroethane	ug/L	50	51.3	103	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	41.3	83	74-121	
1,1,2-Trichloroethane	ug/L	50	50.5	101	80-117	
1,1-Dichloroethane	ug/L	50	42.0	84	83-151	
1,1-Dichloroethene	ug/L	50	49.5	99	45-146	
1,1-Dichloropropene	ug/L	50	48.6	97	59-127	
1,2,3-Trichlorobenzene	ug/L	50	47.1	94	67-103	
1,2,3-Trichloropropane	ug/L	50	47.0	94	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	43.2	86	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	41.7	83	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	56.6	113	83-115	
1,2-Dichloroethane	ug/L	50	46.1	92	74-129	
1,2-Dichloropropane	ug/L	50	46.9	94	75-117	
1,3,5-Trimethylbenzene	ug/L	50	41.3	83	67-116	
1,3-Dichlorobenzene	ug/L	50	46.5	93	71-112	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

LABORATORY CONTROL SAMPLE: 177070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	50.5	101	74-112	
1,4-Diethylbenzene	ug/L	50	42.1	84	56-130	N3
2,2-Dichloropropane	ug/L	50	45.7	91	63-133	
2-Butanone (MEK)	ug/L	50	33.5	67	44-162	CL
2-Chlorotoluene	ug/L	50	40.9	82	74-101	
2-Hexanone	ug/L	50	43.5	87	32-183	
4-Chlorotoluene	ug/L	50	42.3	85	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	42.4	85	69-132	
Acetone	ug/L	50	43.1	86	23-188	
Benzene	ug/L	50	47.7	95	73-119	
Bromobenzene	ug/L	50	48.0	96	72-102	
Bromochloromethane	ug/L	50	51.8	104	81-116	
Bromodichloromethane	ug/L	50	51.7	103	78-117	
Bromoform	ug/L	50	61.0	122	65-122	
Bromomethane	ug/L	50	40.9	82	52-147	
Carbon disulfide	ug/L	50	50.8	102	41-144	
Carbon tetrachloride	ug/L	50	51.8	104	59-120	
Chlorobenzene	ug/L	50	53.9	108	75-113	
Chlorodifluoromethane	ug/L	50	48.0	96	43-140	N3
Chloroethane	ug/L	50	37.3	75	49-151	
Chloroform	ug/L	50	45.0	90	72-122	
Chloromethane	ug/L	50	40.8	82	46-144	
cis-1,2-Dichloroethene	ug/L	50	47.2	94	72-121	
cis-1,3-Dichloropropene	ug/L	50	51.4	103	78-116	
Dibromochloromethane	ug/L	50	56.2	112	70-120	
Dibromomethane	ug/L	50	52.7	105	75-125	
Dichlorodifluoromethane	ug/L	50	66.2	132	22-154	CH
Ethanol	ug/L	1250	1170	94	10-151	CL
Ethylbenzene	ug/L	50	51.4	103	70-113	
Hexachloro-1,3-butadiene	ug/L	50	46.2	92	59-121	
Isopropylbenzene (Cumene)	ug/L	50	41.8	84	67-115	
Methylene Chloride	ug/L	50	41.9	84	61-142	
n-Butylbenzene	ug/L	50	40.2	80	73-107	
n-Propylbenzene	ug/L	50	40.4	81	68-116	
p-Isopropyltoluene	ug/L	50	42.3	85	73-101	
sec-Butylbenzene	ug/L	50	40.7	81	72-103	
Styrene	ug/L	50	54.8	110	72-118	
tert-Butylbenzene	ug/L	50	42.4	85	68-100	
Tetrachloroethene	ug/L	50	53.5	107	60-128	
Toluene	ug/L	50	50.3	101	72-119	
trans-1,2-Dichloroethene	ug/L	50	46.8	94	56-142	
trans-1,3-Dichloropropene	ug/L	50	54.2	108	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	36.4	73	71-121	CL
Trichloroethene	ug/L	50	51.3	103	69-117	
Vinyl chloride	ug/L	50	42.7	85	43-143	
Xylene (Total)	ug/L	150	157	105	71-109	
1,2-Dichloroethane-d4 (S)	%.			86	68-153	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

LABORATORY CONTROL SAMPLE: 177070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			108	79-124	
Toluene-d8 (S)	%.			96	69-124	

MATRIX SPIKE SAMPLE: 177630

Parameter	Units	7029035001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	43.7	87	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	42.6	85	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	30.2	60	74-121	M1
1,1,2-Trichloroethane	ug/L	<1.0	50	38.7	77	80-117	M1
1,1-Dichloroethane	ug/L	<1.0	50	33.7	67	83-151	M1
1,1-Dichloroethene	ug/L	<1.0	50	38.9	78	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	40.1	80	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	33.2	66	67-103	M1
1,2,3-Trichloropropane	ug/L	<1.0	50	34.6	69	71-123	M1
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	33.4	67	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	32.9	66	68-116	M1
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	42.4	85	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	36.2	72	74-129	M1
1,2-Dichloropropane	ug/L	<1.0	50	37.1	74	75-117	M1
1,3,5-Trimethylbenzene	ug/L	<1.0	50	32.4	65	67-116	M1
1,3-Dichlorobenzene	ug/L	<1.0	50	36.5	73	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	39.1	78	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	33.7	67	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	38.6	77	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	23.8	48	44-162	CL
2-Chlorotoluene	ug/L	<1.0	50	32.9	66	74-101	M1
2-Hexanone	ug/L	<5.0	50	33.7	67	32-183	
4-Chlorotoluene	ug/L	<1.0	50	33.1	66	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	30.6	61	69-132	M1
Acetone	ug/L	<5.0	50	41.3	73	23-188	
Benzene	ug/L	<1.0	50	38.8	78	73-119	
Bromobenzene	ug/L	<1.0	50	38.2	76	72-102	
Bromochloromethane	ug/L	<1.0	50	40.3	81	81-116	
Bromodichloromethane	ug/L	<1.0	50	40.1	80	78-117	
Bromoform	ug/L	<1.0	50	42.5	85	65-122	
Bromomethane	ug/L	<1.0	50	26.7	53	52-147	
Carbon disulfide	ug/L	<1.0	50	36.0	72	41-144	
Carbon tetrachloride	ug/L	<1.0	50	41.5	83	59-120	
Chlorobenzene	ug/L	<1.0	50	43.9	88	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	25.6	51	43-140	N3
Chloroethane	ug/L	<1.0	50	25.6	51	49-151	
Chloroform	ug/L	<1.0	50	36.9	74	72-122	
Chloromethane	ug/L	<1.0	50	19.8	40	46-144	M1
cis-1,2-Dichloroethene	ug/L	<1.0	50	38.1	76	72-121	

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QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

MATRIX SPIKE SAMPLE: 177630

Parameter	Units	7029035001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	39.5	79	78-116	
Dibromochloromethane	ug/L	<1.0	50	42.5	85	70-120	
Dibromomethane	ug/L	<1.0	50	40.4	81	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	22.1	44	22-154	CH
Ethanol	ug/L	<250	1250	625	50	10-151	CL
Ethylbenzene	ug/L	<1.0	50	42.3	85	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	53.3	107	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	34.3	69	67-115	
Methylene Chloride	ug/L	<1.0	50	35.7	71	61-142	
n-Butylbenzene	ug/L	<1.0	50	33.0	66	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	32.3	65	68-116	M1
p-Isopropyltoluene	ug/L	<1.0	50	34.3	69	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	32.8	66	72-103	M1
Styrene	ug/L	<1.0	50	43.6	87	72-118	
tert-Butylbenzene	ug/L	<1.0	50	34.0	68	68-100	
Tetrachloroethene	ug/L	<1.0	50	44.0	88	60-128	
Toluene	ug/L	<1.0	50	41.7	83	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	37.8	76	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	41.3	83	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	26.3	53	71-121	CL,M1
Trichloroethene	ug/L	<1.0	50	43.0	86	69-117	
Vinyl chloride	ug/L	<1.0	50	24.4	49	43-143	
Xylene (Total)	ug/L	<2.0	150	127	85	71-109	
1,2-Dichloroethane-d4 (S)	%.				85	68-153	
4-Bromofluorobenzene (S)	%.				110	79-124	
Toluene-d8 (S)	%.				97	69-124	

SAMPLE DUPLICATE: 177631

Parameter	Units	7029035011 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

SAMPLE DUPLICATE: 177631

Parameter	Units	7029035011 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		CL
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	11.3	14.5	25	D6
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		CL
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		CL
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<2.0	<2.0		

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

SAMPLE DUPLICATE: 177631

Parameter	Units	7029035011 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	87	86	1	
4-Bromofluorobenzene (S)	%.	106	107	1	
Toluene-d8 (S)	%.	96	98	2	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

QC Batch: 37828 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7028773001, 7028773002, 7028773003

METHOD BLANK: 175382 Matrix: Water
Associated Lab Samples: 7028773001, 7028773002, 7028773003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	09/05/17 13:53	

LABORATORY CONTROL SAMPLE: 175383

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	518	104	85-115	

MATRIX SPIKE SAMPLE: 175385

Parameter	Units	7028668001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	168	300	474	102	75-125	

SAMPLE DUPLICATE: 175384

Parameter	Units	7028668001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	168	172	2	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

QC Batch: 37738 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 7028773001, 7028773002, 7028773003

SAMPLE DUPLICATE: 175039

Parameter	Units	7028773001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.2	7.2	0	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: INFLUENT/ EFFLUENT 9/1
Pace Project No.: 7028773

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7028773001	**INFLUENT #1**	EPA 200.7	38226	EPA 200.7	38238
7028773002	**INFLUENT #2**	EPA 200.7	38226	EPA 200.7	38238
7028773003	**EFFLUENT #1**	EPA 200.7	38226	EPA 200.7	38238
7028773001	**INFLUENT #1**	EPA 200.7	37846		
7028773002	**INFLUENT #2**	EPA 200.7	37846		
7028773003	**EFFLUENT #1**	EPA 200.7	37846		
7028773001	**INFLUENT #1**	EPA 8260C/5030C	38070		
7028773002	**INFLUENT #2**	EPA 8260C/5030C	38140		
7028773003	**EFFLUENT #1**	EPA 8260C/5030C	38070		
7028773001	**INFLUENT #1**	SM22 2540C	37828		
7028773002	**INFLUENT #2**	SM22 2540C	37828		
7028773003	**EFFLUENT #1**	SM22 2540C	37828		
7028773001	**INFLUENT #1**	EPA 9040C	37738		
7028773002	**INFLUENT #2**	EPA 9040C	37738		
7028773003	**EFFLUENT #1**	EPA 9040C	37738		

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Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurat

WO#:7028773

7028773

Section A Required Client Information:

Company:	Fairchild Republic
Address:	8130 Boone Blvd, Suite 260
	Vienna VA 22182-2640
Email To:	James@wiretowater.com
Phone: (631) 777-7310	Fax: (631) 777-7312
Requested Due Date/TAT:	standard

Section B Required Project Information:

Report To:	Fairchild - Mairoll Corp
Copy To:	Wire to Water
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	Donald Miller
Company Name:	Fairchild Mairoll Corp
Address:	8130 Boone Blvd, Suite 260
Pace Quote Reference:	PH:(703)478-5800
Pace Project Manager:	Fax:(703) 478-5775
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NY

LAB # 14124388

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	40ml w/HCl(VOC+Freon)	250ml plastic (TDS&pH)	125ml (Filter/Diss.Met)	125ml-nitric acid (tot.meta	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Influent #1	AQ	G			9-1-17	11:30		5									2	1		1	1		-001
2	Influent #2	AQ	↓			9-1-17	11:45		5									2	1		1	1		-002
3	Effluent #1	AQ				9-1-17	12:00		5									2	1		1	1		-003
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Total & dissolved metals: Fe, Mn, Zn	James Bonnici	9-1-17	15:06	Nicolette Fuller	9/1/17	15:06	1.3 9
Filter sample for dissolved metals @ lab							

SAMPLE CONDITIONS: Temp In °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Y WT | N | Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Bonnici

SIGNATURE of SAMPLER: James Bonnici

DATE Signed (MM/DD/YY): 9-1-17

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical™ Lancaster Laboratory

Sample Condition Upon Re

WO#: 7028773
PM: JDS Due Date: 09/13/17
CLIENT: FAIR

Client Name: Fairchild

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: T(H092) Correction Factor: +0.1 ☒ Samples on ice, cooling process has begun

Cooler Temperature (°C): 13.9 Cooler Temperature Corrected (°C): 14.0 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) Date and Initials of person examining contents: 8/9/17 JP

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL (WT) OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC601354				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

November 17, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: MONTHLY 11/2
Pace Project No.: 7034710

Dear James:
Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: MONTHLY 11/2
Pace Project No.: 7034710

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 11/2
Pace Project No.: 7034710

Sample: INFLUEINT #1 **Lab ID: 7034710001** Collected: 11/02/17 14:30 Received: 11/02/17 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	11/10/17 09:05	11/15/17 14:07	7440-41-7	
Iron	**762**	ug/L	20.0	1	11/10/17 09:05	11/15/17 14:07	7439-89-6	
Manganese	**80.5**	ug/L	10.0	1	11/10/17 09:05	11/15/17 14:07	7439-96-5	
Zinc	**35.9**	ug/L	20.0	1	11/10/17 09:05	11/15/17 14:07	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		11/16/17 19:19	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		11/16/17 19:19	7439-89-6	
Manganese, Dissolved	**65.4**	ug/L	10.0	1		11/16/17 19:19	7439-96-5	
Zinc, Dissolved	**47.4**	ug/L	20.0	1		11/16/17 19:19	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<150**	ug/L	150	30		11/09/17 17:58	67-64-1	
Benzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	71-43-2	
Bromobenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	108-86-1	
Bromochloromethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	74-97-5	
Bromodichloromethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-27-4	
Bromoform	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-25-2	
Bromomethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	74-83-9	CL
2-Butanone (MEK)	**<150**	ug/L	150	30		11/09/17 17:58	78-93-3	
n-Butylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	104-51-8	
sec-Butylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	135-98-8	
tert-Butylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	98-06-6	
Carbon disulfide	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-15-0	
Carbon tetrachloride	**<30.0**	ug/L	30.0	30		11/09/17 17:58	56-23-5	
Chlorobenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	108-90-7	
Chlorodifluoromethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-45-6	N3
Chloroethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-00-3	
Chloroform	**<30.0**	ug/L	30.0	30		11/09/17 17:58	67-66-3	
Chloromethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	74-87-3	
2-Chlorotoluene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	95-49-8	
4-Chlorotoluene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	106-43-4	
Dibromochloromethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	124-48-1	
1,2-Dibromoethane (EDB)	**<30.0**	ug/L	30.0	30		11/09/17 17:58	106-93-4	
Dibromomethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	74-95-3	
1,3-Dichlorobenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	541-73-1	
trans-1,4-Dichloro-2-butene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	110-57-6	
Dichlorodifluoromethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-71-8	CL
1,1-Dichloroethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-34-3	
1,2-Dichloroethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	107-06-2	
1,1-Dichloroethene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-35-4	
cis-1,2-Dichloroethene	**199**	ug/L	30.0	30		11/09/17 17:58	156-59-2	
trans-1,2-Dichloroethene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	156-60-5	
1,2-Dichloropropane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	78-87-5	
1,3-Dichloropropane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	142-28-9	
2,2-Dichloropropane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	594-20-7	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 11/2
Pace Project No.: 7034710

Sample: INFLUEINT #1 **Lab ID: 7034710001** Collected: 11/02/17 14:30 Received: 11/02/17 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	563-58-6	
cis-1,3-Dichloropropene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	10061-01-5	
trans-1,3-Dichloropropene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	10061-02-6	
1,4-Diethylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	105-05-5	N3
Ethanol	**<7500**	ug/L	7500	30		11/09/17 17:58	64-17-5	CL
Ethylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	100-41-4	
Hexachloro-1,3-butadiene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	87-68-3	
2-Hexanone	**<150**	ug/L	150	30		11/09/17 17:58	591-78-6	
Isopropylbenzene (Cumene)	**<30.0**	ug/L	30.0	30		11/09/17 17:58	98-82-8	
p-Isopropyltoluene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	99-87-6	
Methylene Chloride	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<150**	ug/L	150	30		11/09/17 17:58	108-10-1	
n-Propylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	103-65-1	
Styrene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	100-42-5	
1,1,1,2-Tetrachloroethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	630-20-6	
1,1,2,2-Tetrachloroethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	79-34-5	
Tetrachloroethene	**523**	ug/L	30.0	30		11/09/17 17:58	127-18-4	
1,2,4,5-tetramethylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	95-93-2	N3
Toluene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	108-88-3	
1,2,3-Trichlorobenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	87-61-6	
1,1,1-Trichloroethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	71-55-6	
1,1,2-Trichloroethane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	79-00-5	
Trichloroethene	**102**	ug/L	30.0	30		11/09/17 17:58	79-01-6	
1,2,3-Trichloropropane	**<30.0**	ug/L	30.0	30		11/09/17 17:58	96-18-4	
1,2,4-Trimethylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	95-63-6	
1,3,5-Trimethylbenzene	**<30.0**	ug/L	30.0	30		11/09/17 17:58	108-67-8	
Vinyl chloride	**<30.0**	ug/L	30.0	30		11/09/17 17:58	75-01-4	
Xylene (Total)	**<60.0**	ug/L	60.0	30		11/09/17 17:58	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%.	68-153	30		11/09/17 17:58	17060-07-0	
4-Bromofluorobenzene (S)	98	%.	79-124	30		11/09/17 17:58	460-00-4	
Toluene-d8 (S)	94	%.	69-124	30		11/09/17 17:58	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**119**	mg/L	10.0	1		11/08/17 14:09		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**5.4**	Std. Units	0.10	1		11/02/17 19:19		H3,H6

11/02/2017 Influent Data
Total CVOC- 824 ppb

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 11/2
Pace Project No.: 7034710

Sample: INFLUEINT #2 **Lab ID: 7034710002** Collected: 11/02/17 14:40 Received: 11/02/17 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	11/10/17 09:05	11/15/17 14:12	7440-41-7	
Iron	**680**	ug/L	20.0	1	11/10/17 09:05	11/15/17 14:12	7439-89-6	
Manganese	**75.0**	ug/L	10.0	1	11/10/17 09:05	11/15/17 14:12	7439-96-5	
Zinc	**<20.0**	ug/L	20.0	1	11/10/17 09:05	11/15/17 14:12	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		11/16/17 19:41	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		11/16/17 19:41	7439-89-6	
Manganese, Dissolved	**64.5**	ug/L	10.0	1		11/16/17 19:41	7439-96-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		11/16/17 19:41	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		11/09/17 18:19	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	74-83-9	CL
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		11/09/17 18:19	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		11/09/17 18:19	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		11/09/17 18:19	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		11/09/17 18:19	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-71-8	CL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	594-20-7	

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(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 11/2
Pace Project No.: 7034710

Sample: INFLUEINT #2 **Lab ID: 7034710002** Collected: 11/02/17 14:40 Received: 11/02/17 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		11/09/17 18:19	64-17-5	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		11/09/17 18:19	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		11/09/17 18:19	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		11/09/17 18:19	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		11/09/17 18:19	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:19	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		11/09/17 18:19	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		11/09/17 18:19	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%.	68-153	1		11/09/17 18:19	17060-07-0	
4-Bromofluorobenzene (S)	103	%.	79-124	1		11/09/17 18:19	460-00-4	
Toluene-d8 (S)	98	%.	69-124	1		11/09/17 18:19	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**120**	mg/L	10.0	1		11/08/17 14:10		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**7.2**	Std. Units	0.10	1		11/02/17 19:19		H3,H6

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ANALYTICAL RESULTS

Project: MONTHLY 11/2
Pace Project No.: 7034710

Sample: EFFLUENT # 1 **Lab ID: 7034710003** Collected: 11/02/17 15:00 Received: 11/02/17 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	11/10/17 09:05	11/15/17 14:18	7440-41-7	
Iron	**636**	ug/L	20.0	1	11/10/17 09:05	11/15/17 14:18	7439-89-6	
Manganese	**74.7**	ug/L	10.0	1	11/10/17 09:05	11/15/17 14:18	7439-96-5	
Zinc	**<20.0**	ug/L	20.0	1	11/10/17 09:05	11/15/17 14:18	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		11/16/17 19:46	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		11/16/17 19:46	7439-89-6	
Manganese, Dissolved	**64.2**	ug/L	10.0	1		11/16/17 19:46	7439-96-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		11/16/17 19:46	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		11/09/17 18:39	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	74-83-9	CL
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		11/09/17 18:39	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		11/09/17 18:39	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		11/09/17 18:39	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		11/09/17 18:39	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-71-8	CL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	594-20-7	

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(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY 11/2
Pace Project No.: 7034710

Sample: EFFLUENT # 1 **Lab ID: 7034710003** Collected: 11/02/17 15:00 Received: 11/02/17 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		11/09/17 18:39	64-17-5	CL
Ethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		11/09/17 18:39	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		11/09/17 18:39	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		11/09/17 18:39	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	87-61-6	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		11/09/17 18:39	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		11/09/17 18:39	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		11/09/17 18:39	75-01-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		11/09/17 18:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%.	68-153	1		11/09/17 18:39	17060-07-0	
4-Bromofluorobenzene (S)	100	%.	79-124	1		11/09/17 18:39	460-00-4	
Toluene-d8 (S)	94	%.	69-124	1		11/09/17 18:39	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**111**	mg/L	10.0	1		11/08/17 14:10		
9040 Corrosivity-pH >20% water	Analytical Method: EPA 9040C							
pH at 25 Degrees C	**7.2**	Std. Units	0.10	1		11/02/17 19:24		H3,H6

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QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

QC Batch: 46529 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7034710001, 7034710002, 7034710003

METHOD BLANK: 217352 Matrix: Water
Associated Lab Samples: 7034710001, 7034710002, 7034710003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	11/16/17 18:57	
Iron, Dissolved	ug/L	<20.0	20.0	11/16/17 18:57	
Manganese, Dissolved	ug/L	<10.0	10.0	11/16/17 18:57	
Zinc, Dissolved	ug/L	<20.0	20.0	11/16/17 18:57	

LABORATORY CONTROL SAMPLE: 217353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	48.9	98	85-115	
Iron, Dissolved	ug/L	2000	1950	98	85-115	
Manganese, Dissolved	ug/L	250	240	96	85-115	
Zinc, Dissolved	ug/L	1000	966	97	85-115	

MATRIX SPIKE SAMPLE: 217356

Parameter	Units	7034710001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	49.4	99	70-130	
Iron, Dissolved	ug/L	<20.0	2000	1960	98	70-130	
Manganese, Dissolved	ug/L	65.4	250	310	98	70-130	
Zinc, Dissolved	ug/L	47.4	1000	1020	98	70-130	

SAMPLE DUPLICATE: 217355

Parameter	Units	7034710001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	<20.0	<20.0		
Manganese, Dissolved	ug/L	65.4	66.0	1	
Zinc, Dissolved	ug/L	47.4	47.7	1	

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QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

QC Batch: 46101 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7034710001, 7034710002, 7034710003

METHOD BLANK: 215697 Matrix: Water
Associated Lab Samples: 7034710001, 7034710002, 7034710003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	11/13/17 13:07	
Iron	ug/L	<20.0	20.0	11/13/17 13:07	
Manganese	ug/L	<10.0	10.0	11/13/17 13:07	
Zinc	ug/L	<20.0	20.0	11/13/17 13:07	

LABORATORY CONTROL SAMPLE: 215698

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	50.6	101	85-115	
Iron	ug/L	2000	2050	103	85-115	
Manganese	ug/L	250	252	101	85-115	
Zinc	ug/L	1000	1010	101	85-115	

MATRIX SPIKE SAMPLE: 215700

Parameter	Units	7034585001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	52.9	105	70-130	
Iron	ug/L	77.0	2000	2160	104	70-130	
Manganese	ug/L	<10.0	250	260	101	70-130	
Zinc	ug/L	41.5	1000	1060	102	70-130	

MATRIX SPIKE SAMPLE: 215702

Parameter	Units	7034589001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	52.9	106	70-130	
Iron	ug/L	223	2000	2320	105	70-130	
Manganese	ug/L	21.6	250	282	104	70-130	
Zinc	ug/L	51.1	1000	1100	105	70-130	

SAMPLE DUPLICATE: 215699

Parameter	Units	7034585001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	77.0	111	36	D6
Manganese	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

SAMPLE DUPLICATE: 215699

Parameter	Units	7034585001 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	41.5	41.1	1	

SAMPLE DUPLICATE: 215701

Parameter	Units	7034589001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	223	233	4	
Manganese	ug/L	21.6	25.3	16	
Zinc	ug/L	51.1	51.0	0	

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QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

QC Batch: 46118 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7034710001, 7034710002, 7034710003

METHOD BLANK: 215739 Matrix: Water
Associated Lab Samples: 7034710001, 7034710002, 7034710003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	11/09/17 11:58	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/09/17 11:58	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/09/17 11:58	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/09/17 11:58	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/09/17 11:58	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/09/17 11:58	
1,1-Dichloropropene	ug/L	<1.0	1.0	11/09/17 11:58	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	11/09/17 11:58	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	11/09/17 11:58	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	11/09/17 11:58	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/09/17 11:58	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/09/17 11:58	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/09/17 11:58	
1,3-Dichloropropane	ug/L	<1.0	1.0	11/09/17 11:58	
1,4-Diethylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	11/09/17 11:58	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/09/17 11:58	
2-Chlorotoluene	ug/L	<1.0	1.0	11/09/17 11:58	
2-Hexanone	ug/L	<5.0	5.0	11/09/17 11:58	
4-Chlorotoluene	ug/L	<1.0	1.0	11/09/17 11:58	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/09/17 11:58	
Acetone	ug/L	<5.0	5.0	11/09/17 11:58	
Benzene	ug/L	<1.0	1.0	11/09/17 11:58	
Bromobenzene	ug/L	<1.0	1.0	11/09/17 11:58	
Bromochloromethane	ug/L	<1.0	1.0	11/09/17 11:58	
Bromodichloromethane	ug/L	<1.0	1.0	11/09/17 11:58	
Bromoform	ug/L	<1.0	1.0	11/09/17 11:58	
Bromomethane	ug/L	<1.0	1.0	11/09/17 11:58	CL
Carbon disulfide	ug/L	<1.0	1.0	11/09/17 11:58	
Carbon tetrachloride	ug/L	<1.0	1.0	11/09/17 11:58	
Chlorobenzene	ug/L	<1.0	1.0	11/09/17 11:58	
Chlorodifluoromethane	ug/L	<1.0	1.0	11/09/17 11:58	N3
Chloroethane	ug/L	<1.0	1.0	11/09/17 11:58	
Chloroform	ug/L	<1.0	1.0	11/09/17 11:58	
Chloromethane	ug/L	<1.0	1.0	11/09/17 11:58	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/09/17 11:58	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/09/17 11:58	
Dibromochloromethane	ug/L	<1.0	1.0	11/09/17 11:58	

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QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

METHOD BLANK: 215739 Matrix: Water
Associated Lab Samples: 7034710001, 7034710002, 7034710003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	11/09/17 11:58	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/09/17 11:58	CL
Ethanol	ug/L	<250	250	11/09/17 11:58	CL
Ethylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	11/09/17 11:58	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	11/09/17 11:58	
Methylene Chloride	ug/L	<1.0	1.0	11/09/17 11:58	
n-Butylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	
n-Propylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	
p-Isopropyltoluene	ug/L	<1.0	1.0	11/09/17 11:58	
sec-Butylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	
Styrene	ug/L	<1.0	1.0	11/09/17 11:58	
tert-Butylbenzene	ug/L	<1.0	1.0	11/09/17 11:58	
Tetrachloroethene	ug/L	<1.0	1.0	11/09/17 11:58	
Toluene	ug/L	<1.0	1.0	11/09/17 11:58	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/09/17 11:58	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/09/17 11:58	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	11/09/17 11:58	
Trichloroethene	ug/L	<1.0	1.0	11/09/17 11:58	
Vinyl chloride	ug/L	<1.0	1.0	11/09/17 11:58	
Xylene (Total)	ug/L	<2.0	2.0	11/09/17 11:58	
1,2-Dichloroethane-d4 (S)	%.	92	68-153	11/09/17 11:58	
4-Bromofluorobenzene (S)	%.	102	79-124	11/09/17 11:58	
Toluene-d8 (S)	%.	98	69-124	11/09/17 11:58	

LABORATORY CONTROL SAMPLE: 215740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.2	92	74-113	
1,1,1-Trichloroethane	ug/L	50	46.4	93	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	45.7	91	74-121	
1,1,2-Trichloroethane	ug/L	50	47.5	95	80-117	
1,1-Dichloroethane	ug/L	50	47.8	96	83-151	
1,1-Dichloroethene	ug/L	50	46.5	93	45-146	
1,1-Dichloropropene	ug/L	50	45.0	90	59-127	
1,2,3-Trichlorobenzene	ug/L	50	46.1	92	67-103	
1,2,3-Trichloropropane	ug/L	50	45.7	91	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	44.6	89	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	44.3	89	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	47.8	96	83-115	
1,2-Dichloroethane	ug/L	50	45.7	91	74-129	
1,2-Dichloropropane	ug/L	50	48.1	96	75-117	
1,3,5-Trimethylbenzene	ug/L	50	42.5	85	67-116	
1,3-Dichlorobenzene	ug/L	50	46.8	94	71-112	

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QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

LABORATORY CONTROL SAMPLE: 215740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	46.4	93	74-112	
1,4-Diethylbenzene	ug/L	50	45.5	91	56-130	N3
2,2-Dichloropropane	ug/L	50	45.6	91	63-133	
2-Butanone (MEK)	ug/L	50	45.1	90	44-162	
2-Chlorotoluene	ug/L	50	44.4	89	74-101	
2-Hexanone	ug/L	50	48.4	97	32-183	
4-Chlorotoluene	ug/L	50	42.9	86	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.1	96	69-132	
Acetone	ug/L	50	47.9	96	23-188	
Benzene	ug/L	50	47.6	95	73-119	
Bromobenzene	ug/L	50	46.1	92	72-102	
Bromochloromethane	ug/L	50	52.6	105	81-116	
Bromodichloromethane	ug/L	50	48.9	98	78-117	
Bromoform	ug/L	50	51.6	103	65-122	
Bromomethane	ug/L	50	37.2	74	52-147	CL
Carbon disulfide	ug/L	50	46.8	94	41-144	
Carbon tetrachloride	ug/L	50	45.8	92	59-120	
Chlorobenzene	ug/L	50	45.8	92	75-113	
Chlorodifluoromethane	ug/L	50	37.3	75	43-140	N3
Chloroethane	ug/L	50	42.7	85	49-151	
Chloroform	ug/L	50	49.8	100	72-122	
Chloromethane	ug/L	50	36.0	72	46-144	
cis-1,2-Dichloroethene	ug/L	50	47.3	95	72-121	
cis-1,3-Dichloropropene	ug/L	50	49.4	99	78-116	
Dibromochloromethane	ug/L	50	48.7	97	70-120	
Dibromomethane	ug/L	50	46.4	93	75-125	
Dichlorodifluoromethane	ug/L	50	29.7	59	22-154	CL
Ethanol	ug/L	1250	1160	93	10-151	CL
Ethylbenzene	ug/L	50	46.0	92	70-113	
Hexachloro-1,3-butadiene	ug/L	50	47.8	96	59-121	
Isopropylbenzene (Cumene)	ug/L	50	43.1	86	67-115	
Methylene Chloride	ug/L	50	48.2	96	61-142	
n-Butylbenzene	ug/L	50	45.5	91	73-107	
n-Propylbenzene	ug/L	50	44.4	89	68-116	
p-Isopropyltoluene	ug/L	50	46.5	93	73-101	
sec-Butylbenzene	ug/L	50	44.3	89	72-103	
Styrene	ug/L	50	46.4	93	72-118	
tert-Butylbenzene	ug/L	50	45.8	92	68-100	
Tetrachloroethene	ug/L	50	51.9	104	60-128	
Toluene	ug/L	50	46.7	93	72-119	
trans-1,2-Dichloroethene	ug/L	50	47.7	95	56-142	
trans-1,3-Dichloropropene	ug/L	50	50.5	101	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	36.6	73	71-121	
Trichloroethene	ug/L	50	44.5	89	69-117	
Vinyl chloride	ug/L	50	41.8	84	43-143	
Xylene (Total)	ug/L	150	138	92	71-109	
1,2-Dichloroethane-d4 (S)	%.			97	68-153	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

LABORATORY CONTROL SAMPLE: 215740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			103	79-124	
Toluene-d8 (S)	%.			100	69-124	

MATRIX SPIKE SAMPLE: 215742

Parameter	Units	7034830012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	45.0	90	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	48.0	96	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	43.6	87	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	47.7	95	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	47.7	95	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	49.4	99	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	47.2	94	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	45.2	90	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	41.5	83	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	43.6	87	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	45.0	90	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	45.8	92	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	45.6	91	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	45.5	91	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	45.4	91	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	45.9	92	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	43.5	87	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	49.0	98	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	46.3	93	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	40.9	82	44-162	
2-Chlorotoluene	ug/L	<1.0	50	44.3	89	74-101	
2-Hexanone	ug/L	<5.0	50	42.8	86	32-183	
4-Chlorotoluene	ug/L	<1.0	50	43.8	88	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	44.6	89	69-132	
Acetone	ug/L	<5.0	50	42.4	85	23-188	
Benzene	ug/L	<1.0	50	49.0	98	73-119	
Bromobenzene	ug/L	<1.0	50	46.0	92	72-102	
Bromochloromethane	ug/L	<1.0	50	49.8	100	81-116	
Bromodichloromethane	ug/L	<1.0	50	47.2	94	78-117	
Bromoform	ug/L	<1.0	50	48.6	97	65-122	
Bromomethane	ug/L	<1.0	50	37.9	76	52-147	CL
Carbon disulfide	ug/L	<1.0	50	48.3	97	41-144	
Carbon tetrachloride	ug/L	<1.0	50	46.4	93	59-120	
Chlorobenzene	ug/L	<1.0	50	46.7	93	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	39.2	78	43-140	N3
Chloroethane	ug/L	<1.0	50	44.8	90	49-151	
Chloroform	ug/L	<1.0	50	47.8	96	72-122	
Chloromethane	ug/L	<1.0	50	32.8	66	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	47.8	96	72-121	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

MATRIX SPIKE SAMPLE: 215742

Parameter	Units	7034830012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	47.5	95	78-116	
Dibromochloromethane	ug/L	<1.0	50	46.8	94	70-120	
Dibromomethane	ug/L	<1.0	50	44.8	90	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	27.9	56	22-154	CL
Ethanol	ug/L	<250	1250	1120	90	10-151	CL
Ethylbenzene	ug/L	<1.0	50	47.5	95	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	47.1	94	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	45.6	91	67-115	
Methylene Chloride	ug/L	<1.0	50	46.6	93	61-142	
n-Butylbenzene	ug/L	<1.0	50	47.3	95	73-107	
n-Propylbenzene	ug/L	<1.0	50	45.6	91	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	46.7	93	73-101	
sec-Butylbenzene	ug/L	<1.0	50	46.8	94	72-103	
Styrene	ug/L	<1.0	50	47.5	95	72-118	
tert-Butylbenzene	ug/L	<1.0	50	47.8	96	68-100	
Tetrachloroethene	ug/L	<1.0	50	42.2	84	60-128	
Toluene	ug/L	<1.0	50	48.4	97	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	49.1	98	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	47.6	95	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	35.7	71	71-121	
Trichloroethene	ug/L	<1.0	50	46.7	93	69-117	
Vinyl chloride	ug/L	<1.0	50	43.8	88	43-143	
Xylene (Total)	ug/L	<2.0	150	143	95	71-109	
1,2-Dichloroethane-d4 (S)	%.				96	68-153	
4-Bromofluorobenzene (S)	%.				102	79-124	
Toluene-d8 (S)	%.				97	69-124	

SAMPLE DUPLICATE: 215741

Parameter	Units	7034830010 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	3.0	3.2	8	N3
1,2,4-Trimethylbenzene	ug/L	18.4	16.8	9	
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	3.8	3.5	8	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

SAMPLE DUPLICATE: 215741

Parameter	Units	7034830010 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	2.0	1.9	5	N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	27.2	24.8	9	
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		CL
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		CL
Ethanol	ug/L	<250	<250		CL
Ethylbenzene	ug/L	25.6	23.8	7	
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	2.3	1.9	16	
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	4.3	3.7	16	
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	10.4	9.7	7	
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	47.2	45.6	3	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

SAMPLE DUPLICATE: 215741

Parameter	Units	7034830010 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	90	87	3	
4-Bromofluorobenzene (S)	%.	99	104	5	
Toluene-d8 (S)	%.	95	96	1	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

QC Batch: 45826 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7034710001, 7034710002, 7034710003

METHOD BLANK: 214217 Matrix: Water
Associated Lab Samples: 7034710001, 7034710002, 7034710003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	11/08/17 14:07	

LABORATORY CONTROL SAMPLE: 214218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	530	106	85-115	

MATRIX SPIKE SAMPLE: 214220

Parameter	Units	7034710003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	111	300	422	104	75-125	

MATRIX SPIKE SAMPLE: 214222

Parameter	Units	7034979001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1170	600	1830	111	75-125	

SAMPLE DUPLICATE: 214219

Parameter	Units	7034710003 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	111	121	9	

SAMPLE DUPLICATE: 214221

Parameter	Units	7034979001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	1170	1260	8	

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Melville, NY 11747
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QUALITY CONTROL DATA

Project: MONTHLY 11/2
Pace Project No.: 7034710

QC Batch: 45150 Analysis Method: EPA 9040C
QC Batch Method: EPA 9040C Analysis Description: 9040 pH
Associated Lab Samples: 7034710001, 7034710002, 7034710003

SAMPLE DUPLICATE: 211593

Parameter	Units	7034626001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	8.0	1	H3,H6

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: MONTHLY 11/2
Pace Project No.: 7034710

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 11/2
Pace Project No.: 7034710

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7034710001	**INFLUEINT #1**	EPA 200.7	46101	EPA 200.7	46108
7034710002	**INFLUEINT #2**	EPA 200.7	46101	EPA 200.7	46108
7034710003	**EFFLUENT # 1**	EPA 200.7	46101	EPA 200.7	46108
7034710001	**INFLUEINT #1**	EPA 200.7	46529		
7034710002	**INFLUEINT #2**	EPA 200.7	46529		
7034710003	**EFFLUENT # 1**	EPA 200.7	46529		
7034710001	**INFLUEINT #1**	EPA 8260C/5030C	46118		
7034710002	**INFLUEINT #2**	EPA 8260C/5030C	46118		
7034710003	**EFFLUENT # 1**	EPA 8260C/5030C	46118		
7034710001	**INFLUEINT #1**	SM22 2540C	45826		
7034710002	**INFLUEINT #2**	SM22 2540C	45826		
7034710003	**EFFLUENT # 1**	SM22 2540C	45826		
7034710001	**INFLUEINT #1**	EPA 9040C	45150		
7034710002	**INFLUEINT #2**	EPA 9040C	45150		
7034710003	**EFFLUENT # 1**	EPA 9040C	45150		

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Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Do

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must

WO# : 7034710

7034710

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Fairchild Corporation	Report To:	Paul Lanzillotta	Attention:	
Address:	136 Gazza Blvd.	Copy To:		Company Name:	
Farmingda e, NY 117351420				Address:	
Email:	paul@wiretowater.com	Purchase Order #:		Pace Quote:	
Phone:	NONE Fax:	Project Name:	MONTHLY	Pace Project Manager:	john.stanton@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	

Regulatory Agency	
State / Location	
NY	

Requested Analysis Filtered (Y/N)

LAB REF # 141438

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	200.7 ICP Metals	Dissolved Metals by 200.7	Total Dissolved Solids (TDS	VOC by 8260	Residual Chlorine (Y/N)	
1	INFLUENT#1	WT	G			11/2/17	2:30 PM		5										X	X	X	X		-001
2	INFLUENT#2	WT	G			11/2/17	2:40		5										X	X	X	X		-002
3	EFFLUENT#1	WT	G			11/2/17	3:00		5										X	X	X	X		-003
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Paul Lanzillotta	11/2/17	15:40	Jaclyn Kaziuka	11/2/17	15:40	1.2°C

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	PAUL LANZILLOTTA				
SIGNATURE of SAMPLER:	Paul Lanzillotta	DATE Signed:	11/2/17	TEMP in C	Received on Ice (Y/N) / Custody Sealed Cooler (Y/N) / Samples Intact (Y/N)

Sample Condition Upon Receipt

Pace Analytical

WO#: 7034710
PM: JDS Due Date: 11/13/17
CLIENT: FAIR

Client Name: FAIRchild Proj

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: Wet Blue None

Thermometer Used: TH092 Correction Factor: +0.1 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 11.2 Cooler Temperature Corrected (°C): 11.3 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample) Date and Initials of person examining contents: JK 11/2/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☐Yes	☐No		1.
Chain of Custody Filled Out:	☐Yes	☐No		2.
Chain of Custody Relinquished:	☐Yes	☐No		3.
Sampler Name & Signature on COC:	☐Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☐Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☐No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☐Yes	☐No		8.
Correct Containers Used:	☐Yes	☐No		9.
-Pace Containers Used:	☐Yes	☐No		
Containers Intact:	☐Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☐N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☐Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC601354				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☐N/A	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.01

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

December 29, 2017

Daniel St. Germaine
HDR
1 International Blvd.
Mahwah, NJ 07495

RE: Project: MONTHLY
Pace Project No.: 7038599

Dear Daniel Germaine:
Enclosed are the analytical results for sample(s) received by the laboratory on December 19, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: James, Wire to Water Electrical Contractors
Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: MONTHLY
Pace Project No.: 7038599

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: INFLUENT #1 **Lab ID: 7038599001** Collected: 12/19/17 16:30 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	12/26/17 08:36	12/27/17 17:19	7440-41-7	
Iron	**837**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:19	7439-89-6	
Manganese	**82.2**	ug/L	10.0	1	12/26/17 08:36	12/27/17 17:19	7439-96-5	
Zinc	**91.0**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:19	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/29/17 13:50	7440-41-7	
Iron, Dissolved	**302**	ug/L	20.0	1		12/29/17 13:50	7439-89-6	
Manganese, Dissolved	**72.3**	ug/L	10.0	1		12/29/17 13:50	7439-96-5	
Zinc, Dissolved	**86.5**	ug/L	20.0	1		12/29/17 13:50	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	74-87-3	
Vinyl chloride	**21.0**	ug/L	1.0	1		12/23/17 01:12	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-09-2	
1,1-Dichloroethene	**8.8**	ug/L	1.0	1		12/23/17 01:12	75-35-4	
trans-1,2-Dichloroethene	**2.1**	ug/L	1.0	1		12/23/17 01:12	156-60-5	
1,1-Dichloroethane	**17.7**	ug/L	1.0	1		12/23/17 01:12	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	594-20-7	
cis-1,2-Dichloroethene	**253**	ug/L	10.0	10		12/27/17 13:07	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/23/17 01:12	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/23/17 01:12	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	563-58-6	
Benzene	**2.2**	ug/L	1.0	1		12/23/17 01:12	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	107-06-2	
Trichloroethene	**121**	ug/L	1.0	1		12/23/17 01:12	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	79-00-5	
Tetrachloroethene	**705**	ug/L	10.0	10		12/27/17 13:07	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/23/17 01:12	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/23/17 01:12	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: INFLUENT #1 **Lab ID: 7038599001** Collected: 12/19/17 16:30 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/23/17 01:12	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	98-06-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	87-61-6	CL,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/23/17 01:12	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/23/17 01:12	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/23/17 01:12	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/23/17 01:12	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/23/17 01:12	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:12	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:12	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/23/17 01:12	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		12/23/17 01:12	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		12/23/17 01:12	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**95.0**	mg/L	10.0	1		12/22/17 14:30		

12/19/2017 Influent Data
Total CVOC- 1129 ppb

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: INFLUENT #2 **Lab ID: 7038599002** Collected: 12/19/17 16:15 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	12/26/17 08:36	12/27/17 17:24	7440-41-7	
Iron	**1110**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:24	7439-89-6	
Manganese	**73.0**	ug/L	10.0	1	12/26/17 08:36	12/27/17 17:24	7439-96-5	
Zinc	**38.0**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:24	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/29/17 13:54	7440-41-7	
Iron, Dissolved	**461**	ug/L	20.0	1		12/29/17 13:54	7439-89-6	
Manganese, Dissolved	**69.6**	ug/L	10.0	1		12/29/17 13:54	7439-96-5	
Zinc, Dissolved	**31.5**	ug/L	20.0	1		12/29/17 13:54	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	594-20-7	
cis-1,2-Dichloroethene	**1.4**	ug/L	1.0	1		12/23/17 01:31	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/23/17 01:31	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/23/17 01:31	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	107-06-2	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	79-00-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		12/23/17 01:31	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/23/17 01:31	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/23/17 01:31	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: INFLUENT #2 **Lab ID: 7038599002** Collected: 12/19/17 16:15 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/23/17 01:31	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	98-06-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	87-61-6	CL,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/23/17 01:31	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/23/17 01:31	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/23/17 01:31	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/23/17 01:31	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/23/17 01:31	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 01:31	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 01:31	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/23/17 01:31	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/23/17 01:31	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		12/23/17 01:31	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**100**	mg/L	10.0	1		12/22/17 14:31		

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(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: EFFLUENT#1 **Lab ID: 7038599003** Collected: 12/19/17 16:00 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	12/26/17 08:36	12/27/17 17:25	7440-41-7	
Iron	**746**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:25	7439-89-6	
Manganese	**74.6**	ug/L	10.0	1	12/26/17 08:36	12/27/17 17:25	7439-96-5	
Zinc	**22.9**	ug/L	20.0	1	12/26/17 08:36	12/27/17 17:25	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		12/29/17 13:55	7440-41-7	
Iron, Dissolved	**140**	ug/L	20.0	1		12/29/17 13:55	7439-89-6	
Manganese, Dissolved	**70.4**	ug/L	10.0	1		12/29/17 13:55	7439-96-5	
Zinc, Dissolved	**25.6**	ug/L	20.0	1		12/29/17 13:55	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-71-8	
Chloromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	74-87-3	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-01-4	
Chloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-00-3	
Bromomethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	74-83-9	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-09-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-35-4	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	156-60-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-34-3	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	594-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	156-59-2	
Chloroform	**<1.0**	ug/L	1.0	1		12/23/17 00:54	67-66-3	
Bromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	74-97-5	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	71-55-6	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/23/17 00:54	56-23-5	
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	563-58-6	
Benzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	71-43-2	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	107-06-2	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	79-01-6	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	78-87-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-27-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	74-95-3	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	10061-02-6	
Toluene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	108-88-3	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	10061-01-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	79-00-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	127-18-4	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	142-28-9	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/23/17 00:54	106-93-4	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	108-90-7	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	630-20-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	100-41-4	
Xylene (Total)	**<2.0**	ug/L	2.0	1		12/23/17 00:54	1330-20-7	

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(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7038599

Sample: EFFLUENT#1 **Lab ID: 7038599003** Collected: 12/19/17 16:00 Received: 12/19/17 17:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Styrene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	100-42-5	
Bromoform	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-25-2	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/23/17 00:54	98-82-8	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	79-34-5	
Bromobenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	108-86-1	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	96-18-4	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	103-65-1	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	95-49-8	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	108-67-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	106-43-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	95-63-6	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	98-06-6	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	99-87-6	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	541-73-1	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	104-51-8	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	87-68-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	87-61-6	CL,L2
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/23/17 00:54	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		12/23/17 00:54	591-78-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-15-0	
Acetone	**<5.0**	ug/L	5.0	1		12/23/17 00:54	67-64-1	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/23/17 00:54	108-10-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	110-57-6	
Ethanol	**<250**	ug/L	250	1		12/23/17 00:54	64-17-5	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/17 00:54	75-45-6	N3
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	105-05-5	N3
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		12/23/17 00:54	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	68-153	1		12/23/17 00:54	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-124	1		12/23/17 00:54	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		12/23/17 00:54	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**100**	mg/L	10.0	1		12/22/17 14:32		

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

QC Batch: 51156 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7038599001, 7038599002, 7038599003

METHOD BLANK: 237142 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	12/29/17 13:48	
Iron, Dissolved	ug/L	<20.0	20.0	12/29/17 13:48	
Manganese, Dissolved	ug/L	<10.0	10.0	12/29/17 13:48	
Zinc, Dissolved	ug/L	<20.0	20.0	12/29/17 13:48	

LABORATORY CONTROL SAMPLE: 237144

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	50.9	102	85-115	
Iron, Dissolved	ug/L	2000	2030	102	85-115	
Manganese, Dissolved	ug/L	250	255	102	85-115	
Zinc, Dissolved	ug/L	1000	1030	103	85-115	

MATRIX SPIKE SAMPLE: 237147

Parameter	Units	7038599001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	50.8	101	70-130	
Iron, Dissolved	ug/L	302	2000	2370	103	70-130	
Manganese, Dissolved	ug/L	72.3	250	325	101	70-130	
Zinc, Dissolved	ug/L	86.5	1000	1130	104	70-130	

SAMPLE DUPLICATE: 237146

Parameter	Units	7038599001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	302	298	1	
Manganese, Dissolved	ug/L	72.3	70.6	2	
Zinc, Dissolved	ug/L	86.5	86.0	1	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

QC Batch: 50959 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7038599001, 7038599002, 7038599003

METHOD BLANK: 236383 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	12/27/17 17:09	
Iron	ug/L	<20.0	20.0	12/27/17 17:09	
Manganese	ug/L	<10.0	10.0	12/27/17 17:09	
Zinc	ug/L	<20.0	20.0	12/27/17 17:09	

LABORATORY CONTROL SAMPLE: 236384

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	50.8	102	85-115	
Iron	ug/L	2000	2030	102	85-115	
Manganese	ug/L	250	252	101	85-115	
Zinc	ug/L	1000	1020	102	85-115	

MATRIX SPIKE SAMPLE: 236386

Parameter	Units	7038561002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	50.1	100	70-130	
Iron	ug/L	506	2000	2510	100	70-130	
Manganese	ug/L	103	250	343	96	70-130	
Zinc	ug/L	44.0	1000	1040	100	70-130	

MATRIX SPIKE SAMPLE: 236388

Parameter	Units	7038599001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	45.4	91	70-130	
Iron	ug/L	837	2000	2650	91	70-130	
Manganese	ug/L	82.2	250	301	88	70-130	
Zinc	ug/L	91.0	1000	996	90	70-130	

SAMPLE DUPLICATE: 236385

Parameter	Units	7038561002 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	506	515	2	
Manganese	ug/L	103	96.3	7	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

SAMPLE DUPLICATE: 236385

Parameter	Units	7038561002 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	44.0	40.9	7	

SAMPLE DUPLICATE: 236387

Parameter	Units	7038599001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	837	801	4	
Manganese	ug/L	82.2	74.2	10	
Zinc	ug/L	91.0	87.8	4	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

QC Batch: 50885 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7038599001, 7038599002, 7038599003

METHOD BLANK: 236134 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
1,1-Dichloropropene	ug/L	<1.0	1.0	12/22/17 20:58	
1,2,3-Trichlorobenzene	ug/L	1.3	1.0	12/22/17 20:58	CL
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/22/17 20:58	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/22/17 20:58	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/22/17 20:58	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/22/17 20:58	
1,3-Dichloropropane	ug/L	<1.0	1.0	12/22/17 20:58	
1,4-Diethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	12/22/17 20:58	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/22/17 20:58	
2-Chlorotoluene	ug/L	<1.0	1.0	12/22/17 20:58	
2-Hexanone	ug/L	<5.0	5.0	12/22/17 20:58	
4-Chlorotoluene	ug/L	<1.0	1.0	12/22/17 20:58	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/22/17 20:58	
Acetone	ug/L	<5.0	5.0	12/22/17 20:58	
Benzene	ug/L	<1.0	1.0	12/22/17 20:58	
Bromobenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Bromochloromethane	ug/L	<1.0	1.0	12/22/17 20:58	
Bromodichloromethane	ug/L	<1.0	1.0	12/22/17 20:58	
Bromoform	ug/L	<1.0	1.0	12/22/17 20:58	
Bromomethane	ug/L	<1.0	1.0	12/22/17 20:58	
Carbon disulfide	ug/L	<1.0	1.0	12/22/17 20:58	
Carbon tetrachloride	ug/L	<1.0	1.0	12/22/17 20:58	
Chlorobenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Chlorodifluoromethane	ug/L	<1.0	1.0	12/22/17 20:58	N3
Chloroethane	ug/L	<1.0	1.0	12/22/17 20:58	
Chloroform	ug/L	<1.0	1.0	12/22/17 20:58	
Chloromethane	ug/L	<1.0	1.0	12/22/17 20:58	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/17 20:58	
Dibromochloromethane	ug/L	<1.0	1.0	12/22/17 20:58	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

METHOD BLANK: 236134 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	12/22/17 20:58	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/22/17 20:58	
Ethanol	ug/L	<250	250	12/22/17 20:58	
Ethylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Hexachloro-1,3-butadiene	ug/L	1.5	1.0	12/22/17 20:58	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/22/17 20:58	
Methylene Chloride	ug/L	<1.0	1.0	12/22/17 20:58	
n-Butylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
n-Propylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
p-Isopropyltoluene	ug/L	<1.0	1.0	12/22/17 20:58	
sec-Butylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Styrene	ug/L	<1.0	1.0	12/22/17 20:58	
tert-Butylbenzene	ug/L	<1.0	1.0	12/22/17 20:58	
Tetrachloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
Toluene	ug/L	<1.0	1.0	12/22/17 20:58	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/17 20:58	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	12/22/17 20:58	
Trichloroethene	ug/L	<1.0	1.0	12/22/17 20:58	
Vinyl chloride	ug/L	<1.0	1.0	12/22/17 20:58	
Xylene (Total)	ug/L	<2.0	2.0	12/22/17 20:58	
1,2-Dichloroethane-d4 (S)	%	114	68-153	12/22/17 20:58	
4-Bromofluorobenzene (S)	%	102	79-124	12/22/17 20:58	
Toluene-d8 (S)	%	100	69-124	12/22/17 20:58	

LABORATORY CONTROL SAMPLE: 236135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.5	91	74-113	
1,1,1-Trichloroethane	ug/L	50	47.4	95	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	42.1	84	74-121	
1,1,2-Trichloroethane	ug/L	50	49.4	99	80-117	
1,1-Dichloroethane	ug/L	50	45.6	91	83-151	
1,1-Dichloroethene	ug/L	50	46.2	92	45-146	
1,1-Dichloropropene	ug/L	50	45.4	91	59-127	
1,2,3-Trichlorobenzene	ug/L	50	32.1	64	67-103	L2
1,2,3-Trichloropropane	ug/L	50	46.8	94	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	42.9	86	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	42.7	85	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	83-115	
1,2-Dichloroethane	ug/L	50	53.0	106	74-129	
1,2-Dichloropropane	ug/L	50	47.9	96	75-117	
1,3,5-Trimethylbenzene	ug/L	50	41.5	83	67-116	
1,3-Dichlorobenzene	ug/L	50	45.1	90	71-112	

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(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

LABORATORY CONTROL SAMPLE: 236135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	47.5	95	74-112	
1,4-Diethylbenzene	ug/L	50	41.4	83	56-130	N3
2,2-Dichloropropane	ug/L	50	43.6	87	63-133	
2-Butanone (MEK)	ug/L	50	32.9	66	44-162	
2-Chlorotoluene	ug/L	50	42.8	86	74-101	
2-Hexanone	ug/L	50	46.5	93	32-183	
4-Chlorotoluene	ug/L	50	42.8	86	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	50.2	100	69-132	
Acetone	ug/L	50	43.1	86	23-188	
Benzene	ug/L	50	46.7	93	73-119	
Bromobenzene	ug/L	50	44.3	89	72-102	
Bromochloromethane	ug/L	50	47.2	94	81-116	
Bromodichloromethane	ug/L	50	50.1	100	78-117	
Bromoform	ug/L	50	42.9	86	65-122	
Bromomethane	ug/L	50	40.2	80	52-147	
Carbon disulfide	ug/L	50	41.1	82	41-144	
Carbon tetrachloride	ug/L	50	43.4	87	59-120	
Chlorobenzene	ug/L	50	44.8	90	75-113	
Chlorodifluoromethane	ug/L	50	35.3	71	43-140	N3
Chloroethane	ug/L	50	44.2	88	49-151	
Chloroform	ug/L	50	47.4	95	72-122	
Chloromethane	ug/L	50	35.2	70	46-144	
cis-1,2-Dichloroethene	ug/L	50	46.9	94	72-121	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	78-116	
Dibromochloromethane	ug/L	50	46.6	93	70-120	
Dibromomethane	ug/L	50	50.8	102	75-125	
Dichlorodifluoromethane	ug/L	50	33.8	68	22-154	
Ethanol	ug/L	1250	1210	97	10-151	
Ethylbenzene	ug/L	50	45.8	92	70-113	
Hexachloro-1,3-butadiene	ug/L	50	36.3	73	59-121	
Isopropylbenzene (Cumene)	ug/L	50	41.8	84	67-115	
Methylene Chloride	ug/L	50	43.4	87	61-142	
n-Butylbenzene	ug/L	50	42.6	85	73-107	
n-Propylbenzene	ug/L	50	42.2	84	68-116	
p-Isopropyltoluene	ug/L	50	40.9	82	73-101	
sec-Butylbenzene	ug/L	50	40.6	81	72-103	
Styrene	ug/L	50	47.6	95	72-118	
tert-Butylbenzene	ug/L	50	40.7	81	68-100	
Tetrachloroethene	ug/L	50	47.7	95	60-128	
Toluene	ug/L	50	47.7	95	72-119	
trans-1,2-Dichloroethene	ug/L	50	46.0	92	56-142	
trans-1,3-Dichloropropene	ug/L	50	51.1	102	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	51.8	104	71-121	
Trichloroethene	ug/L	50	47.7	95	69-117	
Vinyl chloride	ug/L	50	41.9	84	43-143	
Xylene (Total)	ug/L	150	138	92	71-109	
1,2-Dichloroethane-d4 (S)	%			111	68-153	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

LABORATORY CONTROL SAMPLE: 236135

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			102	69-124	

MATRIX SPIKE SAMPLE: 236143

Parameter	Units	7038999001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	51.0	102	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	58.3	117	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	45.9	92	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	52.7	105	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	52.7	105	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	55.9	112	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	56.5	113	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	45.2	90	67-103	CL
1,2,3-Trichloropropane	ug/L	<1.0	50	49.2	98	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	54.3	109	66-103	M1,N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	51.2	102	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	55.5	111	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	57.3	115	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	54.0	108	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50.6	101	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	52.4	105	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	51.2	102	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	54.7	109	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	57.9	116	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	34.5	69	44-162	
2-Chlorotoluene	ug/L	<1.0	50	52.1	104	74-101	M1
2-Hexanone	ug/L	<5.0	50	49.0	98	32-183	
4-Chlorotoluene	ug/L	<1.0	50	51.6	103	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	52.4	105	69-132	
Acetone	ug/L	<5.0	50	43.4	87	23-188	
Benzene	ug/L	<1.0	50	54.3	109	73-119	
Bromobenzene	ug/L	<1.0	50	50.7	101	72-102	
Bromochloromethane	ug/L	<1.0	50	51.2	102	81-116	
Bromodichloromethane	ug/L	<1.0	50	56.9	114	78-117	
Bromoform	ug/L	<1.0	50	46.6	93	65-122	
Bromomethane	ug/L	<1.0	50	46.8	94	52-147	
Carbon disulfide	ug/L	<1.0	50	52.0	104	41-144	
Carbon tetrachloride	ug/L	<1.0	50	54.7	109	59-120	
Chlorobenzene	ug/L	<1.0	50	52.1	104	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	43.5	87	43-140	N3
Chloroethane	ug/L	<1.0	50	53.0	106	49-151	
Chloroform	ug/L	<1.0	50	54.1	108	72-122	
Chloromethane	ug/L	<1.0	50	41.1	82	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	54.1	108	72-121	

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(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

MATRIX SPIKE SAMPLE: 236143

Parameter	Units	7038999001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	55.4	111	78-116	
Dibromochloromethane	ug/L	<1.0	50	51.2	102	70-120	
Dibromomethane	ug/L	<1.0	50	54.1	108	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	41.5	83	22-154	
Ethanol	ug/L	<250	1250	1300	104	10-151	
Ethylbenzene	ug/L	<1.0	50	54.3	109	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	82.0	164	59-121	M1
Isopropylbenzene (Cumene)	ug/L	<1.0	50	51.1	102	67-115	
Methylene Chloride	ug/L	<1.0	50	47.6	95	61-142	
n-Butylbenzene	ug/L	<1.0	50	60.4	121	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	52.4	105	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	53.2	106	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	53.6	107	72-103	M1
Styrene	ug/L	<1.0	50	55.0	110	72-118	
tert-Butylbenzene	ug/L	<1.0	50	51.1	102	68-100	M1
Tetrachloroethene	ug/L	<1.0	50	57.1	114	60-128	
Toluene	ug/L	<1.0	50	56.6	113	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	55.9	112	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	57.0	114	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	58.4	117	71-121	
Trichloroethene	ug/L	<1.0	50	57.8	116	69-117	
Vinyl chloride	ug/L	<1.0	50	52.4	105	43-143	
Xylene (Total)	ug/L	<2.0	150	163	109	71-109	
1,2-Dichloroethane-d4 (S)	%				109	68-153	
4-Bromofluorobenzene (S)	%				104	79-124	
Toluene-d8 (S)	%				100	69-124	

SAMPLE DUPLICATE: 236144

Parameter	Units	7038999002 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,1-Dichloropropene	ug/L	<1.0	<1.0		
1,2,3-Trichlorobenzene	ug/L	<1.0	<1.0		CL
1,2,3-Trichloropropane	ug/L	<1.0	<1.0		
1,2,4,5-tetramethylbenzene	ug/L	<1.0	<1.0		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3,5-Trimethylbenzene	ug/L	<1.0	<1.0		

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

SAMPLE DUPLICATE: 236144

Parameter	Units	7038999002 Result	Dup Result	RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,3-Dichloropropane	ug/L	<1.0	<1.0		
1,4-Diethylbenzene	ug/L	<1.0	<1.0		N3
2,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Chlorotoluene	ug/L	<1.0	<1.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Chlorotoluene	ug/L	<1.0	<1.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<1.0		
Bromobenzene	ug/L	<1.0	<1.0		
Bromochloromethane	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chlorodifluoromethane	ug/L	<1.0	<1.0		N3
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dibromomethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	<1.0		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
trans-1,4-Dichloro-2-butene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<2.0	<2.0		

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(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

SAMPLE DUPLICATE: 236144

Parameter	Units	7038999002 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	113	116	3	
4-Bromofluorobenzene (S)	%	101	101	0	
Toluene-d8 (S)	%	100	100	0	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7038599

QC Batch: 50798 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7038599001, 7038599002, 7038599003

METHOD BLANK: 235735 Matrix: Water
Associated Lab Samples: 7038599001, 7038599002, 7038599003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	12/22/17 14:20	

LABORATORY CONTROL SAMPLE: 235736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	456	91	85-115	

MATRIX SPIKE SAMPLE: 235738

Parameter	Units	7038524001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	118	600	688	95	75-125	

MATRIX SPIKE SAMPLE: 235740

Parameter	Units	7038709002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	170	300	460	97	75-125	

SAMPLE DUPLICATE: 235737

Parameter	Units	7038524001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	118	134	13	

SAMPLE DUPLICATE: 235739

Parameter	Units	7038709002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	170	166	2	

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: MONTHLY
Pace Project No.: 7038599

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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Melville, NY 11747
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY
Pace Project No.: 7038599

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7038599001	**INFLUENT #1**	EPA 200.7	50959	EPA 200.7	50970
7038599002	**INFLUENT #2**	EPA 200.7	50959	EPA 200.7	50970
7038599003	**EFFLUENT#1**	EPA 200.7	50959	EPA 200.7	50970
7038599001	**INFLUENT #1**	EPA 200.7	51156		
7038599002	**INFLUENT #2**	EPA 200.7	51156		
7038599003	**EFFLUENT#1**	EPA 200.7	51156		
7038599001	**INFLUENT #1**	EPA 8260C/5030C	50885		
7038599002	**INFLUENT #2**	EPA 8260C/5030C	50885		
7038599003	**EFFLUENT#1**	EPA 8260C/5030C	50885		
7038599001	**INFLUENT #1**	SM22 2540C	50798		
7038599002	**INFLUENT #2**	SM22 2540C	50798		
7038599003	**EFFLUENT#1**	SM22 2540C	50798		

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Pace Analytical

CHAIN-OF-CUSTODY / Analytical Reques

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant field

WO# : 7038599

7038599

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Fairchild Corporation	Report To:	Paul Lanzillotta	Attention:	
Address:	136 Gazza Blvd.	Copy To:		Company Name:	
Farmingdale, NY 117351420				Address:	
Email:	paul@wiretowater.com	Purchase Order #:		Pace Quote:	
Phone:	NONE Fax:	Project Name:	MONTHLY	Pace Project Manager:	john.stanton@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	

Regulatory Agency
State / Location
NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	200.7 ICP Metals	Dissolved Metals by 200.7	Total Dissolved Solids (TDS	VOC by 8260	Residual Chlorine (Y/N)
							GRAB												Requested Analysis Filtered (Y/N)					
1	INFLUENT#1		WT	G			12/19/17	4:30 PM		5	2		1	2						X	X	X	X	
2	INFLUENT#2		WT	G			12/19/17	4:15 PM		5	2		1	2						X	X	X	X	
3	EFFLUENT#1		WT	G			12/19/17	4:00 PM		5	2		1	2						X	X	X	X	
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Paul Lanzillotta	12/19/17	15:25	Jaclyn Lesniak	12/19/17	15:25	2.9°C

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:	PAUL LANZILLOTTA				
SIGNATURE of SAMPLER:	Paul Lanzillotta	DATE Signed:	12/19/17		

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

REF: CONTAINER ORDER # 301382

Sample Condition Upon Receipt

Pace Analytical

WO#:7038599
PM: JDS Due Date: 12/29/17
CLIENT: FAIR

Client Name: FAIR

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH092 Correction Factor: +0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.9 Cooler Temperature Corrected (°C): 2.9 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents: JK 12/19/17

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☐Yes	☐No		2.
Chain of Custody Relinquished:	☐Yes	☐No		3.
Sampler Name & Signature on COC:	☐Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☐Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☐No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☐Yes	☐No		8.
Correct Containers Used:	☐Yes	☐No		9.
-Pace Containers Used:	☐Yes	☐No		
Containers Intact:	☐Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☐N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☐Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC601354				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☐N/A	14.
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution: Time of collection is past time received for all samples

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

October 17, 2017

James
Wire to Water Electrical Contractors
136 Gazza Blvd
Farmingdale, NY 117351420

RE: Project: MONTHLY
Pace Project No.: 7032046

Dear James:

Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Paul Lanzillotta, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: MONTHLY
Pace Project No.: 7032046

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7032046

Sample: INFLUENT # 1 **Lab ID: 7032046001** Collected: 10/05/17 09:00 Received: 10/05/17 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	10/15/17 11:53	10/15/17 19:09	7440-41-7	
Iron	**941**	ug/L	20.0	1	10/15/17 11:53	10/15/17 19:09	7439-89-6	
Manganese	**73.6**	ug/L	10.0	1	10/15/17 11:53	10/15/17 19:09	7439-96-5	
Zinc	**134**	ug/L	20.0	1	10/15/17 11:53	10/15/17 19:09	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		10/16/17 17:02	7440-41-7	
Iron, Dissolved	**624**	ug/L	20.0	1		10/16/17 17:02	7439-89-6	
Manganese, Dissolved	**66.9**	ug/L	10.0	1		10/16/17 17:02	7439-96-5	
Zinc, Dissolved	**68.0**	ug/L	20.0	1		10/16/17 17:02	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<100**	ug/L	100	20		10/12/17 23:26	67-64-1	
Benzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	71-43-2	
Bromobenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	108-86-1	
Bromochloromethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	74-97-5	
Bromodichloromethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	75-27-4	
Bromoform	**<20.0**	ug/L	20.0	20		10/12/17 23:26	75-25-2	
Bromomethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	74-83-9	
2-Butanone (MEK)	**<100**	ug/L	100	20		10/12/17 23:26	78-93-3	
n-Butylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	104-51-8	
sec-Butylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	135-98-8	
tert-Butylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	98-06-6	
Carbon disulfide	**<20.0**	ug/L	20.0	20		10/12/17 23:26	75-15-0	
Carbon tetrachloride	**<20.0**	ug/L	20.0	20		10/12/17 23:26	56-23-5	
Chlorobenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	108-90-7	
Chlorodifluoromethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	75-45-6	N3
Chloroethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	75-00-3	
Chloroform	**<20.0**	ug/L	20.0	20		10/12/17 23:26	67-66-3	
Chloromethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	74-87-3	
2-Chlorotoluene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	95-49-8	
4-Chlorotoluene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	106-43-4	
Dibromochloromethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	124-48-1	
1,2-Dibromoethane (EDB)	**<20.0**	ug/L	20.0	20		10/12/17 23:26	106-93-4	
Dibromomethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	74-95-3	
1,3-Dichlorobenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	541-73-1	
trans-1,4-Dichloro-2-butene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	110-57-6	
Dichlorodifluoromethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	75-71-8	CL
1,1-Dichloroethane	**27.4**	ug/L	20.0	20		10/12/17 23:26	75-34-3	
1,2-Dichloroethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	107-06-2	
1,1-Dichloroethene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	75-35-4	
cis-1,2-Dichloroethene	**321**	ug/L	20.0	20		10/12/17 23:26	156-59-2	
trans-1,2-Dichloroethene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	156-60-5	
1,2-Dichloropropane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	78-87-5	
1,3-Dichloropropane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	142-28-9	
2,2-Dichloropropane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	594-20-7	CL,L2

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7032046

Sample: INFLUENT # 1 **Lab ID: 7032046001** Collected: 10/05/17 09:00 Received: 10/05/17 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	563-58-6	
cis-1,3-Dichloropropene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	10061-01-5	
trans-1,3-Dichloropropene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	10061-02-6	
1,4-Diethylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	105-05-5	N3
Ethanol	**<5000**	ug/L	5000	20		10/12/17 23:26	64-17-5	
Ethylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	100-41-4	
Hexachloro-1,3-butadiene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	87-68-3	
2-Hexanone	**<100**	ug/L	100	20		10/12/17 23:26	591-78-6	
Isopropylbenzene (Cumene)	**<20.0**	ug/L	20.0	20		10/12/17 23:26	98-82-8	
p-Isopropyltoluene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	99-87-6	
Methylene Chloride	**<20.0**	ug/L	20.0	20		10/12/17 23:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<100**	ug/L	100	20		10/12/17 23:26	108-10-1	
n-Propylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	103-65-1	
Styrene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	79-34-5	
Tetrachloroethene	**851**	ug/L	20.0	20		10/12/17 23:26	127-18-4	
1,2,4,5-tetramethylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	95-93-2	N3
Toluene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	108-88-3	
1,2,3-Trichlorobenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	87-61-6	CL
1,1,1-Trichloroethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	71-55-6	
1,1,2-Trichloroethane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	79-00-5	
Trichloroethene	**151**	ug/L	20.0	20		10/12/17 23:26	79-01-6	
1,2,3-Trichloropropane	**<20.0**	ug/L	20.0	20		10/12/17 23:26	96-18-4	
1,2,4-Trimethylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	95-63-6	
1,3,5-Trimethylbenzene	**<20.0**	ug/L	20.0	20		10/12/17 23:26	108-67-8	
Vinyl chloride	**27.7**	ug/L	20.0	20		10/12/17 23:26	75-01-4	CL
Xylene (Total)	**<40.0**	ug/L	40.0	20		10/12/17 23:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%.	68-153	20		10/12/17 23:26	17060-07-0	
4-Bromofluorobenzene (S)	103	%.	79-124	20		10/12/17 23:26	460-00-4	
Toluene-d8 (S)	98	%.	69-124	20		10/12/17 23:26	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**125**	mg/L	10.0	1		10/09/17 14:33		

10/05/2017 Influent Data
Total CVOC- 1378 ppb

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7032046

Sample: INFLUENT # 2 **Lab ID: 7032046002** Collected: 10/05/17 09:15 Received: 10/05/17 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	10/15/17 11:53	10/15/17 19:29	7440-41-7	
Iron	**762**	ug/L	20.0	1	10/15/17 11:53	10/15/17 19:29	7439-89-6	
Manganese	**72.4**	ug/L	10.0	1	10/15/17 11:53	10/15/17 19:29	7439-96-5	
Zinc	**<20.0**	ug/L	20.0	1	10/15/17 11:53	10/15/17 19:29	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		10/16/17 17:07	7440-41-7	
Iron, Dissolved	**183**	ug/L	20.0	1		10/16/17 17:07	7439-89-6	
Manganese, Dissolved	**61.2**	ug/L	10.0	1		10/16/17 17:07	7439-96-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		10/16/17 17:07	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		10/12/17 23:03	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		10/12/17 23:03	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		10/12/17 23:03	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		10/12/17 23:03	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		10/12/17 23:03	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-71-8	CL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-35-4	
cis-1,2-Dichloroethene	**1.2**	ug/L	1.0	1		10/12/17 23:03	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	594-20-7	CL,L2

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7032046

Sample: INFLUENT # 2 **Lab ID: 7032046002** Collected: 10/05/17 09:15 Received: 10/05/17 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		10/12/17 23:03	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		10/12/17 23:03	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		10/12/17 23:03	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		10/12/17 23:03	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	87-61-6	CL
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		10/12/17 23:03	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 23:03	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		10/12/17 23:03	75-01-4	CL
Xylene (Total)	**<2.0**	ug/L	2.0	1		10/12/17 23:03	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%.	68-153	1		10/12/17 23:03	17060-07-0	
4-Bromofluorobenzene (S)	101	%.	79-124	1		10/12/17 23:03	460-00-4	
Toluene-d8 (S)	96	%.	69-124	1		10/12/17 23:03	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**117**	mg/L	10.0	1		10/09/17 14:34		

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(631)694-3040

ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7032046

Sample: EFFLUENT #1 **Lab ID: 7032046003** Collected: 10/05/17 09:30 Received: 10/05/17 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Beryllium	**<5.0**	ug/L	5.0	1	10/15/17 11:53	10/15/17 19:35	7440-41-7	
Iron	**692**	ug/L	20.0	1	10/15/17 11:53	10/15/17 19:35	7439-89-6	
Manganese	**72.6**	ug/L	10.0	1	10/15/17 11:53	10/15/17 19:35	7439-96-5	
Zinc	**<20.0**	ug/L	20.0	1	10/15/17 11:53	10/15/17 19:35	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		10/16/17 17:12	7440-41-7	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		10/16/17 17:12	7439-89-6	
Manganese, Dissolved	**62.6**	ug/L	10.0	1		10/16/17 17:12	7439-96-5	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		10/16/17 17:12	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	**<5.0**	ug/L	5.0	1		10/12/17 22:40	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	71-43-2	
Bromobenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	108-86-1	
Bromochloromethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	74-97-5	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		10/12/17 22:40	78-93-3	
n-Butylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	104-51-8	
sec-Butylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	135-98-8	
tert-Butylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	98-06-6	
Carbon disulfide	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		10/12/17 22:40	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	108-90-7	
Chlorodifluoromethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-45-6	N3
Chloroethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		10/12/17 22:40	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	74-87-3	
2-Chlorotoluene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	95-49-8	
4-Chlorotoluene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	106-43-4	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	124-48-1	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		10/12/17 22:40	106-93-4	
Dibromomethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	74-95-3	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	541-73-1	
trans-1,4-Dichloro-2-butene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	110-57-6	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-71-8	CL
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	107-06-2	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-35-4	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	156-59-2	
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	156-60-5	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	78-87-5	
1,3-Dichloropropane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	142-28-9	
2,2-Dichloropropane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	594-20-7	CL,L2

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ANALYTICAL RESULTS

Project: MONTHLY
Pace Project No.: 7032046

Sample: EFFLUENT #1 **Lab ID: 7032046003** Collected: 10/05/17 09:30 Received: 10/05/17 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1-Dichloropropene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	563-58-6	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	10061-02-6	
1,4-Diethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	105-05-5	N3
Ethanol	**<250**	ug/L	250	1		10/12/17 22:40	64-17-5	
Ethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	100-41-4	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	87-68-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		10/12/17 22:40	591-78-6	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		10/12/17 22:40	98-82-8	
p-Isopropyltoluene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	99-87-6	
Methylene Chloride	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		10/12/17 22:40	108-10-1	
n-Propylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	103-65-1	
Styrene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	100-42-5	
1,1,1,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	630-20-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	127-18-4	
1,2,4,5-tetramethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	95-93-2	N3
Toluene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	108-88-3	
1,2,3-Trichlorobenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	87-61-6	CL
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	79-01-6	
1,2,3-Trichloropropane	**<1.0**	ug/L	1.0	1		10/12/17 22:40	96-18-4	
1,2,4-Trimethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	95-63-6	
1,3,5-Trimethylbenzene	**<1.0**	ug/L	1.0	1		10/12/17 22:40	108-67-8	
Vinyl chloride	**<1.0**	ug/L	1.0	1		10/12/17 22:40	75-01-4	CL
Xylene (Total)	**<2.0**	ug/L	2.0	1		10/12/17 22:40	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	113	%.	68-153	1		10/12/17 22:40	17060-07-0	
4-Bromofluorobenzene (S)	101	%.	79-124	1		10/12/17 22:40	460-00-4	
Toluene-d8 (S)	98	%.	69-124	1		10/12/17 22:40	2037-26-5	
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**116**	mg/L	10.0	1		10/09/17 14:34		

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7032046

QC Batch: 43097 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7032046001, 7032046002, 7032046003

METHOD BLANK: 201724 Matrix: Water
Associated Lab Samples: 7032046001, 7032046002, 7032046003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	10/16/17 16:51	
Iron, Dissolved	ug/L	<20.0	20.0	10/16/17 16:51	
Manganese, Dissolved	ug/L	<10.0	10.0	10/16/17 16:51	
Zinc, Dissolved	ug/L	<20.0	20.0	10/16/17 16:51	

LABORATORY CONTROL SAMPLE: 201725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	55.3	111	85-115	
Iron, Dissolved	ug/L	2000	2100	105	85-115	
Manganese, Dissolved	ug/L	250	241	96	85-115	
Zinc, Dissolved	ug/L	1000	1060	106	85-115	

MATRIX SPIKE SAMPLE: 201727

Parameter	Units	7032005001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	55.2	109	70-130	
Iron, Dissolved	ug/L	<20.0	2000	2130	106	70-130	
Manganese, Dissolved	ug/L	<10.0	250	225	90	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	1070	106	70-130	

SAMPLE DUPLICATE: 201726

Parameter	Units	7032005001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	<20.0	<20.0		
Manganese, Dissolved	ug/L	<10.0	<10.0		
Zinc, Dissolved	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7032046

QC Batch: 43032 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7032046001, 7032046002, 7032046003

METHOD BLANK: 201491 Matrix: Water
Associated Lab Samples: 7032046001, 7032046002, 7032046003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	10/15/17 18:07	
Iron	ug/L	<20.0	20.0	10/15/17 18:07	
Manganese	ug/L	<10.0	10.0	10/15/17 18:07	
Zinc	ug/L	<20.0	20.0	10/15/17 18:07	

LABORATORY CONTROL SAMPLE: 201492

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	49.8	100	85-115	
Iron	ug/L	2000	2040	102	85-115	
Manganese	ug/L	250	245	98	85-115	
Zinc	ug/L	1000	1070	107	85-115	

MATRIX SPIKE SAMPLE: 201494

Parameter	Units	7031913001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	49.8	98	70-130	
Iron	ug/L	39.5	2000	2060	101	70-130	
Manganese	ug/L	20.4	250	264	98	70-130	
Zinc	ug/L	<0.020 mg/L	1000	1060	105	70-130	

MATRIX SPIKE SAMPLE: 201496

Parameter	Units	7032046001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	49.2	96	70-130	
Iron	ug/L	941	2000	2940	100	70-130	
Manganese	ug/L	73.6	250	311	95	70-130	
Zinc	ug/L	134	1000	1180	104	70-130	

SAMPLE DUPLICATE: 201493

Parameter	Units	7031913001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	39.5	33.8	16	
Manganese	ug/L	20.4	19.7	4	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7032046

SAMPLE DUPLICATE: 201493

Parameter	Units	7031913001 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	<0.020 mg/L	<20.0		

SAMPLE DUPLICATE: 201495

Parameter	Units	7032046001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	941	968	3	
Manganese	ug/L	73.6	75.8	3	
Zinc	ug/L	134	141	5	

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QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7032046

QC Batch: 42839 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7032046001, 7032046002, 7032046003

METHOD BLANK: 199859 Matrix: Water
Associated Lab Samples: 7032046001, 7032046002, 7032046003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	10/12/17 17:12	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	10/12/17 17:12	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	10/12/17 17:12	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	10/12/17 17:12	
1,1-Dichloroethane	ug/L	<1.0	1.0	10/12/17 17:12	
1,1-Dichloroethene	ug/L	<1.0	1.0	10/12/17 17:12	
1,1-Dichloropropene	ug/L	<1.0	1.0	10/12/17 17:12	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	10/12/17 17:12	CL
1,2,3-Trichloropropane	ug/L	<1.0	1.0	10/12/17 17:12	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	10/12/17 17:12	
1,2-Dichloroethane	ug/L	<1.0	1.0	10/12/17 17:12	
1,2-Dichloropropane	ug/L	<1.0	1.0	10/12/17 17:12	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	10/12/17 17:12	
1,3-Dichloropropane	ug/L	<1.0	1.0	10/12/17 17:12	
1,4-Diethylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	10/12/17 17:12	CL
2-Butanone (MEK)	ug/L	<5.0	5.0	10/12/17 17:12	
2-Chlorotoluene	ug/L	<1.0	1.0	10/12/17 17:12	
2-Hexanone	ug/L	<5.0	5.0	10/12/17 17:12	
4-Chlorotoluene	ug/L	<1.0	1.0	10/12/17 17:12	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	10/12/17 17:12	
Acetone	ug/L	<5.0	5.0	10/12/17 17:12	
Benzene	ug/L	<1.0	1.0	10/12/17 17:12	
Bromobenzene	ug/L	<1.0	1.0	10/12/17 17:12	
Bromochloromethane	ug/L	<1.0	1.0	10/12/17 17:12	
Bromodichloromethane	ug/L	<1.0	1.0	10/12/17 17:12	
Bromoform	ug/L	<1.0	1.0	10/12/17 17:12	
Bromomethane	ug/L	<1.0	1.0	10/12/17 17:12	
Carbon disulfide	ug/L	<1.0	1.0	10/12/17 17:12	
Carbon tetrachloride	ug/L	<1.0	1.0	10/12/17 17:12	
Chlorobenzene	ug/L	<1.0	1.0	10/12/17 17:12	
Chlorodifluoromethane	ug/L	<1.0	1.0	10/12/17 17:12	N3
Chloroethane	ug/L	<1.0	1.0	10/12/17 17:12	
Chloroform	ug/L	<1.0	1.0	10/12/17 17:12	
Chloromethane	ug/L	<1.0	1.0	10/12/17 17:12	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	10/12/17 17:12	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	10/12/17 17:12	
Dibromochloromethane	ug/L	<1.0	1.0	10/12/17 17:12	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7032046

METHOD BLANK: 199859 Matrix: Water
Associated Lab Samples: 7032046001, 7032046002, 7032046003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	10/12/17 17:12	
Dichlorodifluoromethane	ug/L	<1.0	1.0	10/12/17 17:12	CL
Ethanol	ug/L	<250	250	10/12/17 17:12	
Ethylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	10/12/17 17:12	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	10/12/17 17:12	
Methylene Chloride	ug/L	<1.0	1.0	10/12/17 17:12	
n-Butylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	
n-Propylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	
p-Isopropyltoluene	ug/L	<1.0	1.0	10/12/17 17:12	
sec-Butylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	
Styrene	ug/L	<1.0	1.0	10/12/17 17:12	
tert-Butylbenzene	ug/L	<1.0	1.0	10/12/17 17:12	
Tetrachloroethene	ug/L	<1.0	1.0	10/12/17 17:12	
Toluene	ug/L	<1.0	1.0	10/12/17 17:12	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	10/12/17 17:12	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	10/12/17 17:12	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	10/12/17 17:12	
Trichloroethene	ug/L	<1.0	1.0	10/12/17 17:12	
Vinyl chloride	ug/L	<1.0	1.0	10/12/17 17:12	CL
Xylene (Total)	ug/L	<2.0	2.0	10/12/17 17:12	
1,2-Dichloroethane-d4 (S)	%.	105	68-153	10/12/17 17:12	
4-Bromofluorobenzene (S)	%.	102	79-124	10/12/17 17:12	
Toluene-d8 (S)	%.	100	69-124	10/12/17 17:12	

LABORATORY CONTROL SAMPLE: 199860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.9	92	74-113	
1,1,1-Trichloroethane	ug/L	50	53.2	106	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	44.8	90	74-121	
1,1,2-Trichloroethane	ug/L	50	48.9	98	80-117	
1,1-Dichloroethane	ug/L	50	50.5	101	83-151	
1,1-Dichloroethene	ug/L	50	42.8	86	45-146	
1,1-Dichloropropene	ug/L	50	45.5	91	59-127	
1,2,3-Trichlorobenzene	ug/L	50	37.3	75	67-103	CL
1,2,3-Trichloropropane	ug/L	50	46.7	93	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	45.1	90	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	47.4	95	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	54.9	110	83-115	
1,2-Dichloroethane	ug/L	50	51.1	102	74-129	
1,2-Dichloropropane	ug/L	50	49.0	98	75-117	
1,3,5-Trimethylbenzene	ug/L	50	46.4	93	67-116	
1,3-Dichlorobenzene	ug/L	50	45.8	92	71-112	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7032046

LABORATORY CONTROL SAMPLE: 199860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	46.7	93	74-112	
1,4-Diethylbenzene	ug/L	50	43.5	87	56-130	N3
2,2-Dichloropropane	ug/L	50	30.5	61	63-133	CL,L2
2-Butanone (MEK)	ug/L	50	41.8	84	44-162	
2-Chlorotoluene	ug/L	50	46.2	92	74-101	
2-Hexanone	ug/L	50	43.1	86	32-183	
4-Chlorotoluene	ug/L	50	45.9	92	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	46.7	93	69-132	
Acetone	ug/L	50	44.0	88	23-188	
Benzene	ug/L	50	49.7	99	73-119	
Bromobenzene	ug/L	50	47.4	95	72-102	
Bromochloromethane	ug/L	50	51.0	102	81-116	
Bromodichloromethane	ug/L	50	50.8	102	78-117	
Bromoform	ug/L	50	44.0	88	65-122	
Bromomethane	ug/L	50	48.1	96	52-147	
Carbon disulfide	ug/L	50	38.3	77	41-144	
Carbon tetrachloride	ug/L	50	46.3	93	59-120	
Chlorobenzene	ug/L	50	45.2	90	75-113	
Chlorodifluoromethane	ug/L	50	41.8	84	43-140	N3
Chloroethane	ug/L	50	37.7	75	49-151	
Chloroform	ug/L	50	51.9	104	72-122	
Chloromethane	ug/L	50	41.2	82	46-144	
cis-1,2-Dichloroethene	ug/L	50	51.2	102	72-121	
cis-1,3-Dichloropropene	ug/L	50	42.4	85	78-116	
Dibromochloromethane	ug/L	50	51.6	103	70-120	
Dibromomethane	ug/L	50	48.4	97	75-125	
Dichlorodifluoromethane	ug/L	50	33.9	68	22-154	CL
Ethanol	ug/L	1250	1120	90	10-151	
Ethylbenzene	ug/L	50	44.9	90	70-113	
Hexachloro-1,3-butadiene	ug/L	50	36.2	72	59-121	
Isopropylbenzene (Cumene)	ug/L	50	45.7	91	67-115	
Methylene Chloride	ug/L	50	41.8	84	61-142	
n-Butylbenzene	ug/L	50	41.6	83	73-107	
n-Propylbenzene	ug/L	50	45.3	91	68-116	
p-Isopropyltoluene	ug/L	50	43.9	88	73-101	
sec-Butylbenzene	ug/L	50	42.6	85	72-103	
Styrene	ug/L	50	48.3	97	72-118	
tert-Butylbenzene	ug/L	50	44.3	89	68-100	
Tetrachloroethene	ug/L	50	49.0	98	60-128	
Toluene	ug/L	50	46.5	93	72-119	
trans-1,2-Dichloroethene	ug/L	50	44.2	88	56-142	
trans-1,3-Dichloropropene	ug/L	50	42.8	86	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	43.8	88	71-121	
Trichloroethene	ug/L	50	46.6	93	69-117	
Vinyl chloride	ug/L	50	35.7	71	43-143	CL
Xylene (Total)	ug/L	150	135	90	71-109	
1,2-Dichloroethane-d4 (S)	%.			102	68-153	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7032046

LABORATORY CONTROL SAMPLE: 199860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.			104	79-124	
Toluene-d8 (S)	%.			100	69-124	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: MONTHLY
Pace Project No.: 7032046

QC Batch: 42265 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7032046001, 7032046002, 7032046003

METHOD BLANK: 197222 Matrix: Water
Associated Lab Samples: 7032046001, 7032046002, 7032046003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	10/09/17 14:25	

LABORATORY CONTROL SAMPLE: 197223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	482	96	85-115	

MATRIX SPIKE SAMPLE: 197225

Parameter	Units	7032158002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	563	300	878	105	75-125	

MATRIX SPIKE SAMPLE: 197227

Parameter	Units	7031974002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	754	600	1350	99	75-125	

SAMPLE DUPLICATE: 197224

Parameter	Units	7032158002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	563	645	14	

SAMPLE DUPLICATE: 197226

Parameter	Units	7031974002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	754	768	2	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: MONTHLY
Pace Project No.: 7032046

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY
Pace Project No.: 7032046

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7032046001	**INFLUENT # 1**	EPA 200.7	43032	EPA 200.7	43034
7032046002	**INFLUENT # 2**	EPA 200.7	43032	EPA 200.7	43034
7032046003	**EFFLUENT #1**	EPA 200.7	43032	EPA 200.7	43034
7032046001	**INFLUENT # 1**	EPA 200.7	43097		
7032046002	**INFLUENT # 2**	EPA 200.7	43097		
7032046003	**EFFLUENT #1**	EPA 200.7	43097		
7032046001	**INFLUENT # 1**	EPA 8260C/5030C	42839		
7032046002	**INFLUENT # 2**	EPA 8260C/5030C	42839		
7032046003	**EFFLUENT #1**	EPA 8260C/5030C	42839		
7032046001	**INFLUENT # 1**	SM22 2540C	42265		
7032046002	**INFLUENT # 2**	SM22 2540C	42265		
7032046003	**EFFLUENT #1**	SM22 2540C	42265		

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10-5-17

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be co

WO#:7032046

7032046

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Fairchild Corporation	Report To:	James	Attention:	
Address:	136 Gazza Blvd	Copy To:		Company Name:	
	Farmingdale, NY 117351420			Address:	
Email:	james@wiretowater.com	Purchase Order #:		Pace Quote:	
Phone:	NONE Fax:	Project Name:	MONTHLY	Pace Project Manager:	john.stanton@pacelabs.com,
Requested Due Date:		Project #:		Pace Profile #:	

State / Location
NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	200.7 ICP Metals	Dissolved Metals by 200.7 (I	Total Dissolved Solids (TDS)	VOC by 8260	Residual Chlorine (Y/N)
1	INFLUENT#1	WT	G	10/5	9:00	10/5	9:00		5										X	X	X	X	
2	INFLUENT#2	WT	G	10/5	9:15	10/5	9:15		5										X	X	X	X	
3	EFFLUENT#1	WT	G	10/5	9:30	10/5	9:30		5										X	X	X	X	
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

Requested Analysis Filtered (Y/N)

LAB# 142A38

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	James Bonnici	10/5/17	1145		10/5/17	1145	2.0

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Bonnici

SIGNATURE of SAMPLER: James Bonnici DATE Signed:

TEMP In C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Fairchild Corp

Pro

WO#: 7032046

PM: JDS Due Date: 10/16/17

CLIENT: FAIR

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: Wet (Blue) None

Thermometer Used: TH09? Correction Factor: +0.1 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.0 Cooler Temperature Corrected (°C): 2.1 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) Date and Initials of person examining contents: SG 10/5

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☑Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL (WT) OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13 ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☐Yes	☐No	☑N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.01

APPENDIX D

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone 401-640-1767

4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)
Wire to Water Inc.
136 GAZA Blvd
Farmingdale, NY

Generator's Phone:

6. Transporter 1 Company Name CFS, Inc.

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address CAC
3774 Hoover Rd
Blasdell, NY

U.S. EPA ID Number

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	16,000lbs non-HAZ GAC 8,000lbs non-HAZ Zeolite	24	Skids			
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name Joe Hyatt | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Robin Rollo | Signature Robin Rollo | Month 5 | Day 17 | Year 17

169-BLS-C 6 10497 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

March 15, 2017

Daniel St. Germaine
HDR
1 International Blvd.
Mahwah, NJ 07495

RE: Project: GAC TEST 3/6
Pace Project No.: 7012737

Dear Daniel Germaine:
Enclosed are the analytical results for sample(s) received by the laboratory on March 06, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Elaine, Fairchild Corporation
James, Wire to Water Electrical Contractors
Paul, Wire to Water Electrical Contractors
Stuart Skopicki, Wire to Water Electrical Contractors

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: GAC TEST 3/6
Pace Project No.: 7012737

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GAC TEST 3/6
Pace Project No.: 7012737

Sample: GAC SAMPLE 1 **Lab ID: 7012737001** Collected: 03/06/17 14:00 Received: 03/06/17 15:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Leachate Method/Date: EPA 1311; 03/07/17 19:24							
Arsenic	**<0.50**	mg/L	0.50	1	03/08/17 14:12	03/09/17 16:35	7440-38-2	
Barium	**<5.0**	mg/L	5.0	1	03/08/17 14:12	03/09/17 16:35	7440-39-3	
Cadmium	**<0.050**	mg/L	0.050	1	03/08/17 14:12	03/09/17 16:35	7440-43-9	
Chromium	**<0.50**	mg/L	0.50	1	03/08/17 14:12	03/09/17 16:35	7440-47-3	
Lead	**<0.50**	mg/L	0.50	1	03/08/17 14:12	03/09/17 16:35	7439-92-1	
Selenium	**<0.050**	mg/L	0.050	1	03/08/17 14:12	03/09/17 16:35	7782-49-2	
Silver	**<0.50**	mg/L	0.50	1	03/08/17 14:12	03/09/17 16:35	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Leachate Method/Date: EPA 1311; 03/07/17 19:24							
Mercury	**<0.00020**	mg/L	0.00020	1	03/09/17 09:14	03/10/17 16:47	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3545A							
Acenaphthene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	83-32-9	
Acenaphthylene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	208-96-8	
Anthracene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	120-12-7	
Benzo(a)anthracene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	56-55-3	
Benzo(a)pyrene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	50-32-8	
Benzo(b)fluoranthene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	205-99-2	
Benzo(g,h,i)perylene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	191-24-2	
Benzo(k)fluoranthene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	207-08-9	
4-Bromophenylphenyl ether	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	101-55-3	
Butylbenzylphthalate	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	85-68-7	
Carbazole	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	86-74-8	
4-Chloro-3-methylphenol	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	59-50-7	
4-Chloroaniline	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	106-47-8	
bis(2-Chloroethoxy)methane	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	111-91-1	
bis(2-Chloroethyl) ether	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	111-44-4	
2-Chloronaphthalene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	91-58-7	
2-Chlorophenol	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	95-57-8	
4-Chlorophenylphenyl ether	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	7005-72-3	
Chrysene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	218-01-9	
Dibenz(a,h)anthracene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	53-70-3	
Dibenzofuran	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	132-64-9	
1,2-Dichlorobenzene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	95-50-1	
1,3-Dichlorobenzene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	541-73-1	
1,4-Dichlorobenzene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	106-46-7	
3,3'-Dichlorobenzidine	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	91-94-1	
2,4-Dichlorophenol	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	120-83-2	
Diethylphthalate	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	84-66-2	
2,4-Dimethylphenol	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	105-67-9	
Dimethylphthalate	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	131-11-3	
Di-n-butylphthalate	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	84-74-2	
4,6-Dinitro-2-methylphenol	**<1110**	ug/kg	1110	1	03/08/17 15:00	03/09/17 23:36	534-52-1	
2,4-Dinitrophenol	**<1110**	ug/kg	1110	1	03/08/17 15:00	03/09/17 23:36	51-28-5	CC

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GAC TEST 3/6
Pace Project No.: 7012737

Sample: GAC SAMPLE 1 **Lab ID: 7012737001** Collected: 03/06/17 14:00 Received: 03/06/17 15:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3545A							
2,4-Dinitrotoluene	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	121-14-2	
2,6-Dinitrotoluene	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	606-20-2	
Di-n-octylphthalate	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	117-84-0	
bis(2-Ethylhexyl)phthalate	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	117-81-7	
Fluoranthene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	206-44-0	
Fluorene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	86-73-7	
Hexachloro-1,3-butadiene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	87-68-3	
Hexachlorobenzene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	118-74-1	
Hexachlorocyclopentadiene	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	77-47-4	CC,IC
Hexachloroethane	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	67-72-1	
Indeno(1,2,3-cd)pyrene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	193-39-5	
Isophorone	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	78-59-1	
2-Methylnaphthalene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	91-57-6	
2-Methylphenol(o-Cresol)	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36		
Naphthalene	**247**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	91-20-3	
2-Nitroaniline	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	88-74-4	
3-Nitroaniline	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	99-09-2	
4-Nitroaniline	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	100-01-6	
Nitrobenzene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	98-95-3	
2-Nitrophenol	**<546**	ug/kg	546	1	03/08/17 15:00	03/09/17 23:36	88-75-5	
4-Nitrophenol	**<1110**	ug/kg	1110	1	03/08/17 15:00	03/09/17 23:36	100-02-7	IC
N-Nitroso-di-n-propylamine	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	621-64-7	CC
N-Nitrosodiphenylamine	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	86-30-6	L1
2,2'-Oxybis(1-chloropropane)	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	108-60-1	
Pentachlorophenol	**<1110**	ug/kg	1110	1	03/08/17 15:00	03/09/17 23:36	87-86-5	CC
Phenanthrene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	85-01-8	
Phenol	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	108-95-2	
Pyrene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	129-00-0	
1,2,4-Trichlorobenzene	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	120-82-1	
2,4,5-Trichlorophenol	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	95-95-4	
2,4,6-Trichlorophenol	**<111**	ug/kg	111	1	03/08/17 15:00	03/09/17 23:36	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	30	%.	23-120	1	03/08/17 15:00	03/09/17 23:36	4165-60-0	
2-Fluorobiphenyl (S)	12	%.	30-115	1	03/08/17 15:00	03/09/17 23:36	321-60-8	S0
p-Terphenyl-d14 (S)	4	%.	18-137	1	03/08/17 15:00	03/09/17 23:36	1718-51-0	S0
Phenol-d5 (S)	49	%.	24-113	1	03/08/17 15:00	03/09/17 23:36	4165-62-2	
2-Fluorophenol (S)	33	%.	25-121	1	03/08/17 15:00	03/09/17 23:36	367-12-4	
2,4,6-Tribromophenol (S)	8	%.	19-122	1	03/08/17 15:00	03/09/17 23:36	118-79-6	S0
2-Chlorophenol-d4 (S)	24	%.	20-130	1	03/08/17 15:00	03/09/17 23:36	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	22	%.	20-130	1	03/08/17 15:00	03/09/17 23:36	2199-69-1	
8260 MSV SPLP	Analytical Method: EPA 8260C Preparation Method: EPA 1312							
Benzene	**0.018**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	71-43-2	
2-Butanone (MEK)	**<0.010**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	78-93-3	
Carbon tetrachloride	**<0.010**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	56-23-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GAC TEST 3/6
Pace Project No.: 7012737

Sample: GAC SAMPLE 1 **Lab ID: 7012737001** Collected: 03/06/17 14:00 Received: 03/06/17 15:36 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SPLP	Analytical Method: EPA 8260C Preparation Method: EPA 1312							
Chlorobenzene	**<0.010**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	108-90-7	
Chloroform	**<0.010**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	67-66-3	
1,2-Dichloroethane	**<0.010**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	107-06-2	
1,1-Dichloroethene	**<0.010**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	75-35-4	
Tetrachloroethene	**0.48**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	127-18-4	
Trichloroethene	**0.44**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	79-01-6	
Vinyl chloride	**<0.010**	mg/L	0.010	5	03/07/17 19:52	03/09/17 16:25	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%.	53-183	5	03/07/17 19:52	03/09/17 16:25	17060-07-0	
Toluene-d8 (S)	100	%.	60-135	5	03/07/17 19:52	03/09/17 16:25	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	63-140	5	03/07/17 19:52	03/09/17 16:25	460-00-4	
Percent Moisture	Analytical Method: ASTM D2216-92							
Percent Moisture	**9.3**	%	0.10	1		03/09/17 15:15		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

QC Batch: 16487 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 7012737001

METHOD BLANK: 79974 Matrix: Water
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	<0.00020	0.00020	03/10/17 16:40	

METHOD BLANK: 78216 Matrix: Water
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	<0.00020	0.00020	03/10/17 16:43	

LABORATORY CONTROL SAMPLE: 79975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.001	0.0010	104	80-120	

MATRIX SPIKE SAMPLE: 79976

Parameter	Units	7012737001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	<0.00020	.001	0.0011	102	75-125	

SAMPLE DUPLICATE: 79977

Parameter	Units	7012737001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/L	<0.00020	<0.00020		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

QC Batch: 16353
QC Batch Method: EPA 3005A
Associated Lab Samples: 7012737001

Analysis Method: EPA 6010C
Analysis Description: 6010 MET TCLP

METHOD BLANK: 79466 Matrix: Water
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.50	0.50	03/09/17 15:38	
Barium	mg/L	<5.0	5.0	03/09/17 15:38	
Cadmium	mg/L	<0.050	0.050	03/09/17 15:38	
Chromium	mg/L	<0.50	0.50	03/09/17 15:38	
Lead	mg/L	<0.50	0.50	03/09/17 15:38	
Selenium	mg/L	<0.050	0.050	03/09/17 15:38	
Silver	mg/L	<0.50	0.50	03/09/17 15:38	

METHOD BLANK: 78898 Matrix: Water
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.50	0.50	03/09/17 15:48	
Barium	mg/L	<5.0	5.0	03/09/17 15:48	
Cadmium	mg/L	<0.050	0.050	03/09/17 15:48	
Chromium	mg/L	<0.50	0.50	03/09/17 15:48	
Lead	mg/L	<0.50	0.50	03/09/17 15:48	
Selenium	mg/L	<0.050	0.050	03/09/17 15:48	
Silver	mg/L	<0.50	0.50	03/09/17 15:48	

LABORATORY CONTROL SAMPLE: 79467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	<0.50	97	80-120	
Barium	mg/L	.5	<5.0	100	80-120	
Cadmium	mg/L	.05	<0.050	100	80-120	
Chromium	mg/L	.25	<0.50	103	80-120	
Lead	mg/L	.5	<0.50	96	80-120	
Selenium	mg/L	.75	0.76	101	80-120	
Silver	mg/L	.25	<0.50	105	80-120	

MATRIX SPIKE SAMPLE: 79469

Parameter	Units	7012846001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.50	.5	0.57	107	75-125	
Barium	mg/L	<5.0	.5	<5.0	100	75-125	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

MATRIX SPIKE SAMPLE: 79469

Parameter	Units	7012846001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	<0.050	.05	0.052	101	75-125	
Chromium	mg/L	<0.50	.25	<0.50	107	75-125	
Lead	mg/L	<0.50	.5	0.53	96	75-125	
Selenium	mg/L	<0.050	.75	0.84	112	75-125	
Silver	mg/L	<0.50	.25	<0.50	74	75-125	M1

SAMPLE DUPLICATE: 79468

Parameter	Units	7012846001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	<0.50	<0.50		
Barium	mg/L	<5.0	<5.0		
Cadmium	mg/L	<0.050	<0.050		
Chromium	mg/L	<0.50	<0.50		
Lead	mg/L	<0.50	<0.50		
Selenium	mg/L	<0.050	<0.050		
Silver	mg/L	<0.50	<0.50		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

QC Batch: 16559
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 7012737001

METHOD BLANK: 80176 Matrix: Water
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	89	53-183	03/09/17 12:57	
4-Bromofluorobenzene (S)	%.	99	63-140	03/09/17 12:57	
Toluene-d8 (S)	%.	98	60-135	03/09/17 12:57	

METHOD BLANK: 77445 Matrix: Solid
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	89	53-183	03/09/17 15:20	
4-Bromofluorobenzene (S)	%.	102	63-140	03/09/17 15:20	
Toluene-d8 (S)	%.	101	60-135	03/09/17 15:20	

METHOD BLANK: 78923 Matrix: Solid
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.0020	0.0020	03/09/17 16:05	
1,2-Dichloroethane	mg/L	<0.0020	0.0020	03/09/17 16:05	
2-Butanone (MEK)	mg/L	<0.0020	0.0020	03/09/17 16:05	
Benzene	mg/L	<0.0020	0.0020	03/09/17 16:05	
Carbon tetrachloride	mg/L	<0.0020	0.0020	03/09/17 16:05	
Chlorobenzene	mg/L	<0.0020	0.0020	03/09/17 16:05	
Chloroform	mg/L	<0.0020	0.0020	03/09/17 16:05	
Tetrachloroethene	mg/L	<0.0020	0.0020	03/09/17 16:05	
Trichloroethene	mg/L	<0.0020	0.0020	03/09/17 16:05	
Vinyl chloride	mg/L	<0.0020	0.0020	03/09/17 16:05	
1,2-Dichloroethane-d4 (S)	%.	89	53-183	03/09/17 16:05	
4-Bromofluorobenzene (S)	%.	98	63-140	03/09/17 16:05	
Toluene-d8 (S)	%.	98	60-135	03/09/17 16:05	

LABORATORY CONTROL SAMPLE: 80177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%.			95	53-183	
4-Bromofluorobenzene (S)	%.			104	63-140	
Toluene-d8 (S)	%.			99	60-135	

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

MATRIX SPIKE SAMPLE: 80178

Parameter	Units	7012737001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%.				88	53-183	
4-Bromofluorobenzene (S)	%.				104	63-140	
Toluene-d8 (S)	%.				99	60-135	

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QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

QC Batch: 16216
QC Batch Method: EPA 3545A
Associated Lab Samples: 7012737001

Analysis Method: EPA 8270D
Analysis Description: 8270 Solid MSSV

METHOD BLANK: 78831
Associated Lab Samples: 7012737001

Matrix: Solid

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	03/09/17 19:44	
1,2-Dichlorobenzene	ug/kg	<67.0	67.0	03/09/17 19:44	
1,3-Dichlorobenzene	ug/kg	<67.0	67.0	03/09/17 19:44	
1,4-Dichlorobenzene	ug/kg	<67.0	67.0	03/09/17 19:44	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	03/09/17 19:44	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	03/09/17 19:44	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	03/09/17 19:44	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	03/09/17 19:44	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	03/09/17 19:44	
2,4-Dinitrophenol	ug/kg	<670	670	03/09/17 19:44	CC
2,4-Dinitrotoluene	ug/kg	<330	330	03/09/17 19:44	
2,6-Dinitrotoluene	ug/kg	<330	330	03/09/17 19:44	
2-Chloronaphthalene	ug/kg	<67.0	67.0	03/09/17 19:44	
2-Chlorophenol	ug/kg	<67.0	67.0	03/09/17 19:44	
2-Methylnaphthalene	ug/kg	<67.0	67.0	03/09/17 19:44	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	03/09/17 19:44	
2-Nitroaniline	ug/kg	<330	330	03/09/17 19:44	
2-Nitrophenol	ug/kg	<330	330	03/09/17 19:44	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	03/09/17 19:44	
3,3'-Dichlorobenzidine	ug/kg	<330	330	03/09/17 19:44	
3-Nitroaniline	ug/kg	<330	330	03/09/17 19:44	
4,6-Dinitro-2-methylphenol	ug/kg	<670	670	03/09/17 19:44	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	03/09/17 19:44	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	03/09/17 19:44	
4-Chloroaniline	ug/kg	<330	330	03/09/17 19:44	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	03/09/17 19:44	
4-Nitroaniline	ug/kg	<330	330	03/09/17 19:44	
4-Nitrophenol	ug/kg	<670	670	03/09/17 19:44	IC
Acenaphthene	ug/kg	<67.0	67.0	03/09/17 19:44	
Acenaphthylene	ug/kg	<67.0	67.0	03/09/17 19:44	
Anthracene	ug/kg	<67.0	67.0	03/09/17 19:44	
Benzo(a)anthracene	ug/kg	<67.0	67.0	03/09/17 19:44	
Benzo(a)pyrene	ug/kg	<67.0	67.0	03/09/17 19:44	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	03/09/17 19:44	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	03/09/17 19:44	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	03/09/17 19:44	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	03/09/17 19:44	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	03/09/17 19:44	
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	03/09/17 19:44	
Butylbenzylphthalate	ug/kg	<67.0	67.0	03/09/17 19:44	
Carbazole	ug/kg	<67.0	67.0	03/09/17 19:44	

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QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

METHOD BLANK: 78831 Matrix: Solid
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/kg	<67.0	67.0	03/09/17 19:44	
Di-n-butylphthalate	ug/kg	78.5	67.0	03/09/17 19:44	
Di-n-octylphthalate	ug/kg	<67.0	67.0	03/09/17 19:44	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	03/09/17 19:44	
Dibenzofuran	ug/kg	<67.0	67.0	03/09/17 19:44	
Diethylphthalate	ug/kg	<67.0	67.0	03/09/17 19:44	
Dimethylphthalate	ug/kg	<67.0	67.0	03/09/17 19:44	
Fluoranthene	ug/kg	<67.0	67.0	03/09/17 19:44	
Fluorene	ug/kg	<67.0	67.0	03/09/17 19:44	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	03/09/17 19:44	
Hexachlorobenzene	ug/kg	<67.0	67.0	03/09/17 19:44	
Hexachlorocyclopentadiene	ug/kg	<330	330	03/09/17 19:44	CC,IC
Hexachloroethane	ug/kg	<67.0	67.0	03/09/17 19:44	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	03/09/17 19:44	
Isophorone	ug/kg	<67.0	67.0	03/09/17 19:44	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	03/09/17 19:44	CC
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	03/09/17 19:44	
Naphthalene	ug/kg	<67.0	67.0	03/09/17 19:44	
Nitrobenzene	ug/kg	<67.0	67.0	03/09/17 19:44	
Pentachlorophenol	ug/kg	<670	670	03/09/17 19:44	CC
Phenanthrene	ug/kg	<67.0	67.0	03/09/17 19:44	
Phenol	ug/kg	<67.0	67.0	03/09/17 19:44	
Pyrene	ug/kg	<67.0	67.0	03/09/17 19:44	
1,2-Dichlorobenzene-d4 (S)	%.	53	20-130	03/09/17 19:44	
2,4,6-Tribromophenol (S)	%.	29	19-122	03/09/17 19:44	
2-Chlorophenol-d4 (S)	%.	53	20-130	03/09/17 19:44	
2-Fluorobiphenyl (S)	%.	66	30-115	03/09/17 19:44	
2-Fluorophenol (S)	%.	48	25-121	03/09/17 19:44	
Nitrobenzene-d5 (S)	%.	59	23-120	03/09/17 19:44	
p-Terphenyl-d14 (S)	%.	74	18-137	03/09/17 19:44	
Phenol-d5 (S)	%.	59	24-113	03/09/17 19:44	

LABORATORY CONTROL SAMPLE: 78832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1240	74	35-110	
1,2-Dichlorobenzene	ug/kg	1670	1070	64	36-107	
1,3-Dichlorobenzene	ug/kg	1670	1080	65	34-104	
1,4-Dichlorobenzene	ug/kg	1670	1040	62	35-108	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1240	74	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1170	70	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1300	78	45-110	
2,4-Dichlorophenol	ug/kg	1670	1250	75	41-117	
2,4-Dimethylphenol	ug/kg	1670	666	40	24-96	

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(631)694-3040

QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

LABORATORY CONTROL SAMPLE: 78832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg	1670	<670	24	10-80	CC
2,4-Dinitrotoluene	ug/kg	1670	1270	76	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1500	90	50-109	
2-Chloronaphthalene	ug/kg	1670	1280	77	35-107	
2-Chlorophenol	ug/kg	1670	1120	67	36-109	
2-Methylnaphthalene	ug/kg	1670	1270	76	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1290	77	36-104	
2-Nitroaniline	ug/kg	1670	1250	75	42-118	
2-Nitrophenol	ug/kg	1670	1410	85	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	964	58	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1420	85	41-116	
3-Nitroaniline	ug/kg	1670	1250	75	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	<670	31	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	1650	99	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1260	75	45-118	
4-Chloroaniline	ug/kg	1670	858	51	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1230	74	48-111	
4-Nitroaniline	ug/kg	1670	1040	62	46-110	
4-Nitrophenol	ug/kg	1670	1300	78	26-118	IC
Acenaphthene	ug/kg	1670	1210	73	45-109	
Acenaphthylene	ug/kg	1670	1260	76	43-107	
Anthracene	ug/kg	1670	1690	102	50-117	
Benzo(a)anthracene	ug/kg	1670	1620	97	52-116	
Benzo(a)pyrene	ug/kg	1670	1440	87	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1340	81	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1220	73	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1310	78	54-124	
bis(2-Chloroethoxy)methane	ug/kg	1670	1180	71	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	1170	70	32-116	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1450	87	60-127	
Butylbenzylphthalate	ug/kg	1670	1490	89	54-130	
Carbazole	ug/kg	1670	1600	96	40-120	
Chrysene	ug/kg	1670	1620	97	48-121	
Di-n-butylphthalate	ug/kg	1670	1640	99	53-124	
Di-n-octylphthalate	ug/kg	1670	1210	72	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1310	79	52-109	
Dibenzofuran	ug/kg	1670	1240	74	48-112	
Diethylphthalate	ug/kg	1670	1350	81	51-114	
Dimethylphthalate	ug/kg	1670	1160	69	49-112	
Fluoranthene	ug/kg	1670	1760	106	45-126	
Fluorene	ug/kg	1670	1260	75	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1130	68	36-118	
Hexachlorobenzene	ug/kg	1670	1580	95	51-110	
Hexachlorocyclopentadiene	ug/kg	1670	403	24	10-97	CC,IC
Hexachloroethane	ug/kg	1670	1020	61	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1210	73	50-108	
Isophorone	ug/kg	1670	1160	69	14-129	

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QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

LABORATORY CONTROL SAMPLE: 78832

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/kg	1670	993	60	33-109	CC
N-Nitrosodiphenylamine	ug/kg	1670	1780	107	39-90	L1
Naphthalene	ug/kg	1670	1130	68	18-142	
Nitrobenzene	ug/kg	1670	1210	73	36-119	
Pentachlorophenol	ug/kg	1670	<670	39	22-115	CC
Phenanthrene	ug/kg	1670	1540	93	47-124	
Phenol	ug/kg	1670	1260	75	38-104	
Pyrene	ug/kg	1670	1680	101	49-132	
1,2-Dichlorobenzene-d4 (S)	%.			52	20-130	
2,4,6-Tribromophenol (S)	%.			66	19-122	
2-Chlorophenol-d4 (S)	%.			62	20-130	
2-Fluorobiphenyl (S)	%.			67	30-115	
2-Fluorophenol (S)	%.			71	25-121	
Nitrobenzene-d5 (S)	%.			64	23-120	
p-Terphenyl-d14 (S)	%.			92	18-137	
Phenol-d5 (S)	%.			75	24-113	

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QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

QC Batch: 16156
QC Batch Method: ASTM D2216-92
Associated Lab Samples: 7012737001

Analysis Method: ASTM D2216-92
Analysis Description: Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 78679

Parameter	Units	7012855001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	9.7	9.8	0	

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QUALITY CONTROL DATA

Project: GAC TEST 3/6
Pace Project No.: 7012737

QC Batch: 16230 Analysis Method: EPA 8260C
QC Batch Method: EPA 1312 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 7012737001

METHOD BLANK: 78923 Matrix: Solid
Associated Lab Samples: 7012737001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.0020	0.0020	03/09/17 16:05	
1,2-Dichloroethane	mg/L	<0.0020	0.0020	03/09/17 16:05	
2-Butanone (MEK)	mg/L	<0.0020	0.0020	03/09/17 16:05	
Benzene	mg/L	<0.0020	0.0020	03/09/17 16:05	
Carbon tetrachloride	mg/L	<0.0020	0.0020	03/09/17 16:05	
Chlorobenzene	mg/L	<0.0020	0.0020	03/09/17 16:05	
Chloroform	mg/L	<0.0020	0.0020	03/09/17 16:05	
Tetrachloroethene	mg/L	<0.0020	0.0020	03/09/17 16:05	
Trichloroethene	mg/L	<0.0020	0.0020	03/09/17 16:05	
Vinyl chloride	mg/L	<0.0020	0.0020	03/09/17 16:05	
1,2-Dichloroethane-d4 (S)	%.	89	53-183	03/09/17 16:05	
4-Bromofluorobenzene (S)	%.	98	63-140	03/09/17 16:05	
Toluene-d8 (S)	%.	98	60-135	03/09/17 16:05	

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QUALIFIERS

Project: GAC TEST 3/6
Pace Project No.: 7012737

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7012737001

[1]	EPA8270D	Re-extraction/re-analysis confirmed low surrogate recovery and confirmed sample results.

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GAC TEST 3/6
Pace Project No.: 7012737

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7012737001	**GAC SAMPLE 1**	EPA 3005A	16353	EPA 6010C	16370
7012737001	**GAC SAMPLE 1**	EPA 7470A	16487	EPA 7470A	16571
7012737001	**GAC SAMPLE 1**	EPA 3545A	16216	EPA 8270D	16412
7012737001	**GAC SAMPLE 1**	EPA 1312	16230	EPA 8260C	16559
7012737001	**GAC SAMPLE 1**	ASTM D2216-92	16156		

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CHAIN-OF-CUSTODY / Analytical Request Docu

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed a

WO#:7012737

7012737

Section A Required Client Information:

Company: Wire to WATER
Address: 136 GAZZA BLVD
FarmingdaLE N.Y. 11735
Email To: PauL@wiretowater.com
Phone: 631-777-7310 Fax: 631-777-7312
Requested Due Date/TAT:

Section B Required Project Information:

Report To: FairchiLD-Mairoll Corp.
Copy To: Wire to WATER
Purchase Order No.:
Project Name: GAC test
Project Number:

Section C Invoice Information:

Attention: DonaLD MiLLER
Company Name: FairchiLD Mairoll Corp.
Address: 11600 TYsons BLVD. Suite 100
Pace Quote Reference: PH:(703)478-5800
Pace Project Manager: FAX(703)478-5775
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: N.Y.

REF # LAB 1412A38

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOA list	2x8oz jar					Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GAC sample 1		G			3-7-16	2:00		6									Y	Y						-001
2	GAC. Sample 2		G			3-7-16	2:15		6									Y	Y						
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									

(1.00) 3/7/17

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	James Bonnici	3/6/17	15:36	Sam Patto	3/6/17	15:36	1.3	Y	N	Y

Page 19 of 20

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JAMES Bonnici
SIGNATURE of SAMPLER: James Bonnici
DATE Signed (MM/DD/YY): 3-6-17

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical

Sample Condition Upon Rece

Client Name: Wire to Water

WO#:7012737

PM: JDS Due Date: 03/15/17
CLIENT: FAIR

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Optional
Proj. Due Date:
Proj. Name:

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: TH077 TH078 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 1.3

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3/6/17 IP

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12. Collection date is 3/6/17, not 3/7/17
-Includes date/time/ID/Analysis Matrix: SL WT OIL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	Initial when completed: / Lot # of added preservative:
Exceptions: VOA, micro, TOC, O&G		Date and Time preservative added:
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: Per client, Sample 1+2 are the same sample. The lab will analyze sample 1.

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.00

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

March 17, 2017

Daniel St. Germaine
HDR
1 International Blvd.
Mahwah, NJ 07495

RE: Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

Dear Daniel Germaine:
Enclosed are the analytical results for sample(s) received by the laboratory on March 08, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Elaine, Fairchild Corporation
James, Wire to Water Electrical Contractors
Paul, Wire to Water Electrical Contractors
Stuart Skopicki, Wire to Water Electrical Contractors

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

Sample: ZEOLITE (CANISTER #) **Lab ID: 7013002001** Collected: 03/08/17 13:15 Received: 03/08/17 15:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010C Preparation Method: EPA 3005A Leachate Method/Date: EPA 1311; 03/08/17 19:22							
Arsenic	**<0.50**	mg/L	0.50	1	03/09/17 14:00	03/10/17 12:38	7440-38-2	
Barium	**<5.0**	mg/L	5.0	1	03/09/17 14:00	03/10/17 12:38	7440-39-3	
Cadmium	**<0.050**	mg/L	0.050	1	03/09/17 14:00	03/10/17 12:38	7440-43-9	
Chromium	**<0.50**	mg/L	0.50	1	03/09/17 14:00	03/10/17 12:38	7440-47-3	
Lead	**<0.50**	mg/L	0.50	1	03/09/17 14:00	03/10/17 12:38	7439-92-1	
Selenium	**<0.050**	mg/L	0.050	1	03/09/17 14:00	03/10/17 12:38	7782-49-2	
Silver	**<0.50**	mg/L	0.50	1	03/09/17 14:00	03/10/17 12:38	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Leachate Method/Date: EPA 1311; 03/08/17 19:22							
Mercury	**<0.00020**	mg/L	0.00020	1	03/09/17 15:15	03/10/17 16:18	7439-97-6	
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3545A							
Acenaphthene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	83-32-9	
Acenaphthylene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	208-96-8	
Anthracene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	120-12-7	
Benzo(a)anthracene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	56-55-3	
Benzo(a)pyrene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	50-32-8	
Benzo(b)fluoranthene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	205-99-2	
Benzo(g,h,i)perylene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	191-24-2	
Benzo(k)fluoranthene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	207-08-9	
4-Bromophenylphenyl ether	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	101-55-3	
Butylbenzylphthalate	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	85-68-7	
Carbazole	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	86-74-8	
4-Chloro-3-methylphenol	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	59-50-7	
4-Chloroaniline	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	106-47-8	
bis(2-Chloroethoxy)methane	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	111-91-1	
bis(2-Chloroethyl) ether	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	111-44-4	CC
2-Chloronaphthalene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	91-58-7	
2-Chlorophenol	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	95-57-8	
4-Chlorophenylphenyl ether	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	7005-72-3	
Chrysene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	218-01-9	
Dibenz(a,h)anthracene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	53-70-3	
Dibenzofuran	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	132-64-9	
1,2-Dichlorobenzene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	95-50-1	
1,3-Dichlorobenzene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	541-73-1	
1,4-Dichlorobenzene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	106-46-7	
3,3'-Dichlorobenzidine	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	91-94-1	
2,4-Dichlorophenol	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	120-83-2	
Diethylphthalate	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	84-66-2	
2,4-Dimethylphenol	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	105-67-9	
Dimethylphthalate	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	131-11-3	
Di-n-butylphthalate	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	84-74-2	
4,6-Dinitro-2-methylphenol	**<710**	ug/kg	710	1	03/13/17 10:35	03/13/17 16:00	534-52-1	
2,4-Dinitrophenol	**<710**	ug/kg	710	1	03/13/17 10:35	03/13/17 16:00	51-28-5	CC

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

Sample: ZEOLITE (CANISTER #) **Lab ID: 7013002001** Collected: 03/08/17 13:15 Received: 03/08/17 15:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3545A							
2,4-Dinitrotoluene	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	121-14-2	
2,6-Dinitrotoluene	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	606-20-2	
Di-n-octylphthalate	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	117-84-0	
bis(2-Ethylhexyl)phthalate	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	117-81-7	
Fluoranthene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	206-44-0	
Fluorene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	86-73-7	
Hexachloro-1,3-butadiene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	87-68-3	
Hexachlorobenzene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	118-74-1	
Hexachlorocyclopentadiene	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	77-47-4	
Hexachloroethane	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	67-72-1	
Indeno(1,2,3-cd)pyrene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	193-39-5	
Isophorone	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	78-59-1	
2-Methylnaphthalene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	91-57-6	
2-Methylphenol(o-Cresol)	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00		
Naphthalene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	91-20-3	
2-Nitroaniline	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	88-74-4	
3-Nitroaniline	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	99-09-2	
4-Nitroaniline	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	100-01-6	
Nitrobenzene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	98-95-3	
2-Nitrophenol	**<350**	ug/kg	350	1	03/13/17 10:35	03/13/17 16:00	88-75-5	
4-Nitrophenol	**<710**	ug/kg	710	1	03/13/17 10:35	03/13/17 16:00	100-02-7	
N-Nitroso-di-n-propylamine	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	621-64-7	
N-Nitrosodiphenylamine	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	108-60-1	
Pentachlorophenol	**<710**	ug/kg	710	1	03/13/17 10:35	03/13/17 16:00	87-86-5	CC
Phenanthrene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	85-01-8	
Phenol	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	108-95-2	
Pyrene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	129-00-0	
1,2,4-Trichlorobenzene	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	120-82-1	
2,4,5-Trichlorophenol	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	95-95-4	
2,4,6-Trichlorophenol	**<71.0**	ug/kg	71.0	1	03/13/17 10:35	03/13/17 16:00	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	42	%.	23-120	1	03/13/17 10:35	03/13/17 16:00	4165-60-0	
2-Fluorobiphenyl (S)	37	%.	30-115	1	03/13/17 10:35	03/13/17 16:00	321-60-8	
p-Terphenyl-d14 (S)	47	%.	18-137	1	03/13/17 10:35	03/13/17 16:00	1718-51-0	
Phenol-d5 (S)	15	%.	24-113	1	03/13/17 10:35	03/13/17 16:00	4165-62-2	S0
2-Fluorophenol (S)	11	%.	25-121	1	03/13/17 10:35	03/13/17 16:00	367-12-4	S0
2,4,6-Tribromophenol (S)	9	%.	19-122	1	03/13/17 10:35	03/13/17 16:00	118-79-6	S0
2-Chlorophenol-d4 (S)	12	%.	20-130	1	03/13/17 10:35	03/13/17 16:00	93951-73-6	S0
1,2-Dichlorobenzene-d4 (S)	34	%.	20-130	1	03/13/17 10:35	03/13/17 16:00	2199-69-1	
8260 MSV SPLP	Analytical Method: EPA 8260C Preparation Method: EPA 1312							
Benzene	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	71-43-2	
2-Butanone (MEK)	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	78-93-3	
Carbon tetrachloride	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	56-23-5	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

Sample: ZEOLITE (CANISTER #) **Lab ID: 7013002001** Collected: 03/08/17 13:15 Received: 03/08/17 15:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV SPLP	Analytical Method: EPA 8260C Preparation Method: EPA 1312							
Chlorobenzene	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	108-90-7	
Chloroform	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	67-66-3	
1,2-Dichloroethane	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	107-06-2	
1,1-Dichloroethene	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	75-35-4	
Tetrachloroethene	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	127-18-4	
Trichloroethene	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	79-01-6	
Vinyl chloride	**<0.010**	mg/L	0.010	5	03/09/17 19:17	03/13/17 15:28	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%.	53-183	5	03/09/17 19:17	03/13/17 15:28	17060-07-0	
Toluene-d8 (S)	96	%.	60-135	5	03/09/17 19:17	03/13/17 15:28	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	63-140	5	03/09/17 19:17	03/13/17 15:28	460-00-4	
Percent Moisture	Analytical Method: ASTM D2216-92							
Percent Moisture	**5.6**	%	0.10	1		03/15/17 07:06		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

QC Batch: 16488 Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 7013002001

METHOD BLANK: 79978 Matrix: Water
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	<0.00020	0.00020	03/10/17 16:10	

METHOD BLANK: 78898 Matrix: Water
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/L	<0.00020	0.00020	03/10/17 16:14	

LABORATORY CONTROL SAMPLE: 79979

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	.001	0.0011	113	80-120	

MATRIX SPIKE SAMPLE: 79980

Parameter	Units	7013011001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	<0.00020	.001	0.0012	118	75-125	

SAMPLE DUPLICATE: 79981

Parameter	Units	7013011001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/L	<0.00020	<0.00020		

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

QC Batch: 16484
QC Batch Method: EPA 3005A
Associated Lab Samples: 7013002001

Analysis Method: EPA 6010C
Analysis Description: 6010 MET TCLP

METHOD BLANK: 79961 Matrix: Water
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.50	0.50	03/10/17 11:52	
Barium	mg/L	<5.0	5.0	03/10/17 11:52	
Cadmium	mg/L	<0.050	0.050	03/10/17 11:52	
Chromium	mg/L	<0.50	0.50	03/10/17 11:52	
Lead	mg/L	<0.50	0.50	03/10/17 11:52	
Selenium	mg/L	<0.050	0.050	03/10/17 11:52	
Silver	mg/L	<0.50	0.50	03/10/17 11:52	

METHOD BLANK: 79782 Matrix: Water
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.50	0.50	03/10/17 12:02	
Barium	mg/L	<5.0	5.0	03/10/17 12:02	
Cadmium	mg/L	<0.050	0.050	03/10/17 12:02	
Chromium	mg/L	<0.50	0.50	03/10/17 12:02	
Lead	mg/L	<0.50	0.50	03/10/17 12:02	
Selenium	mg/L	<0.050	0.050	03/10/17 12:02	
Silver	mg/L	<0.50	0.50	03/10/17 12:02	

LABORATORY CONTROL SAMPLE: 79962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	<0.50	97	80-120	
Barium	mg/L	.5	<5.0	103	80-120	
Cadmium	mg/L	.05	<0.050	97	80-120	
Chromium	mg/L	.25	<0.50	94	80-120	
Lead	mg/L	.5	0.50	100	80-120	
Selenium	mg/L	.75	0.72	96	80-120	
Silver	mg/L	.25	<0.50	97	80-120	

MATRIX SPIKE SAMPLE: 79964

Parameter	Units	7013011001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.50	.5	0.56	105	75-125	
Barium	mg/L	<5.0	.5	<5.0	104	75-125	

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

MATRIX SPIKE SAMPLE: 79964

Parameter	Units	7013011001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	<0.050	.05	0.052	99	75-125	
Chromium	mg/L	<0.50	.25	<0.50	96	75-125	
Lead	mg/L	<0.50	.5	0.64	103	75-125	
Selenium	mg/L	<0.050	.75	0.79	105	75-125	
Silver	mg/L	<0.50	.25	<0.50	108	75-125	

SAMPLE DUPLICATE: 79963

Parameter	Units	7013011001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/L	<0.50	<0.50		
Barium	mg/L	<5.0	<5.0		
Cadmium	mg/L	<0.050	<0.050		
Chromium	mg/L	<0.50	<0.50		
Lead	mg/L	<0.50	<0.50		
Selenium	mg/L	<0.050	<0.050		
Silver	mg/L	<0.50	<0.50		

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

QC Batch: 17007
QC Batch Method: EPA 8260C
Analysis Method: EPA 8260C
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 7013002001

METHOD BLANK: 81999 Matrix: Water
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	88	53-183	03/13/17 13:30	
4-Bromofluorobenzene (S)	%.	105	63-140	03/13/17 13:30	
Toluene-d8 (S)	%.	99	60-135	03/13/17 13:30	

METHOD BLANK: 80491 Matrix: Solid
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.010	0.010	03/13/17 15:08	
1,2-Dichloroethane	mg/L	<0.010	0.010	03/13/17 15:08	
2-Butanone (MEK)	mg/L	<0.010	0.010	03/13/17 15:08	
Benzene	mg/L	<0.010	0.010	03/13/17 15:08	
Carbon tetrachloride	mg/L	<0.010	0.010	03/13/17 15:08	
Chlorobenzene	mg/L	<0.010	0.010	03/13/17 15:08	
Chloroform	mg/L	<0.010	0.010	03/13/17 15:08	
Tetrachloroethene	mg/L	<0.010	0.010	03/13/17 15:08	
Trichloroethene	mg/L	<0.010	0.010	03/13/17 15:08	
Vinyl chloride	mg/L	<0.010	0.010	03/13/17 15:08	
1,2-Dichloroethane-d4 (S)	%.	89	53-183	03/13/17 15:08	
4-Bromofluorobenzene (S)	%.	101	63-140	03/13/17 15:08	
Toluene-d8 (S)	%.	98	60-135	03/13/17 15:08	

METHOD BLANK: 81319 Matrix: Solid
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane-d4 (S)	%.	87	53-183	03/13/17 14:28	
4-Bromofluorobenzene (S)	%.	103	63-140	03/13/17 14:28	
Toluene-d8 (S)	%.	98	60-135	03/13/17 14:28	

LABORATORY CONTROL SAMPLE: 82000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%.			96	53-183	
4-Bromofluorobenzene (S)	%.			103	63-140	
Toluene-d8 (S)	%.			98	60-135	

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

MATRIX SPIKE SAMPLE: 82001

Parameter	Units	7013002001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%.				90	53-183	
4-Bromofluorobenzene (S)	%.				103	63-140	
Toluene-d8 (S)	%.				97	60-135	

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

QC Batch: 16717
QC Batch Method: EPA 3545A
Associated Lab Samples: 7013002001

Analysis Method: EPA 8270D
Analysis Description: 8270 Solid MSSV

METHOD BLANK: 80912
Associated Lab Samples: 7013002001

Matrix: Solid

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	<67.0	67.0	03/13/17 14:37	
1,2-Dichlorobenzene	ug/kg	<67.0	67.0	03/13/17 14:37	
1,3-Dichlorobenzene	ug/kg	<67.0	67.0	03/13/17 14:37	
1,4-Dichlorobenzene	ug/kg	<67.0	67.0	03/13/17 14:37	
2,2'-Oxybis(1-chloropropane)	ug/kg	<67.0	67.0	03/13/17 14:37	
2,4,5-Trichlorophenol	ug/kg	<67.0	67.0	03/13/17 14:37	
2,4,6-Trichlorophenol	ug/kg	<67.0	67.0	03/13/17 14:37	
2,4-Dichlorophenol	ug/kg	<67.0	67.0	03/13/17 14:37	
2,4-Dimethylphenol	ug/kg	<67.0	67.0	03/13/17 14:37	
2,4-Dinitrophenol	ug/kg	<670	670	03/13/17 14:37	CC
2,4-Dinitrotoluene	ug/kg	<330	330	03/13/17 14:37	
2,6-Dinitrotoluene	ug/kg	<330	330	03/13/17 14:37	
2-Chloronaphthalene	ug/kg	<67.0	67.0	03/13/17 14:37	
2-Chlorophenol	ug/kg	<67.0	67.0	03/13/17 14:37	
2-Methylnaphthalene	ug/kg	<67.0	67.0	03/13/17 14:37	
2-Methylphenol(o-Cresol)	ug/kg	<67.0	67.0	03/13/17 14:37	
2-Nitroaniline	ug/kg	<330	330	03/13/17 14:37	
2-Nitrophenol	ug/kg	<330	330	03/13/17 14:37	
3&4-Methylphenol(m&p Cresol)	ug/kg	<67.0	67.0	03/13/17 14:37	
3,3'-Dichlorobenzidine	ug/kg	<330	330	03/13/17 14:37	
3-Nitroaniline	ug/kg	<330	330	03/13/17 14:37	
4,6-Dinitro-2-methylphenol	ug/kg	<670	670	03/13/17 14:37	
4-Bromophenylphenyl ether	ug/kg	<67.0	67.0	03/13/17 14:37	
4-Chloro-3-methylphenol	ug/kg	<67.0	67.0	03/13/17 14:37	
4-Chloroaniline	ug/kg	<330	330	03/13/17 14:37	
4-Chlorophenylphenyl ether	ug/kg	<67.0	67.0	03/13/17 14:37	
4-Nitroaniline	ug/kg	<330	330	03/13/17 14:37	
4-Nitrophenol	ug/kg	<670	670	03/13/17 14:37	
Acenaphthene	ug/kg	<67.0	67.0	03/13/17 14:37	
Acenaphthylene	ug/kg	<67.0	67.0	03/13/17 14:37	
Anthracene	ug/kg	<67.0	67.0	03/13/17 14:37	
Benzo(a)anthracene	ug/kg	<67.0	67.0	03/13/17 14:37	
Benzo(a)pyrene	ug/kg	<67.0	67.0	03/13/17 14:37	
Benzo(b)fluoranthene	ug/kg	<67.0	67.0	03/13/17 14:37	
Benzo(g,h,i)perylene	ug/kg	<67.0	67.0	03/13/17 14:37	
Benzo(k)fluoranthene	ug/kg	<67.0	67.0	03/13/17 14:37	
bis(2-Chloroethoxy)methane	ug/kg	<67.0	67.0	03/13/17 14:37	
bis(2-Chloroethyl) ether	ug/kg	<67.0	67.0	03/13/17 14:37	CC
bis(2-Ethylhexyl)phthalate	ug/kg	<67.0	67.0	03/13/17 14:37	
Butylbenzylphthalate	ug/kg	<67.0	67.0	03/13/17 14:37	
Carbazole	ug/kg	<67.0	67.0	03/13/17 14:37	

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

METHOD BLANK: 80912 Matrix: Solid
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/kg	<67.0	67.0	03/13/17 14:37	
Di-n-butylphthalate	ug/kg	<67.0	67.0	03/13/17 14:37	
Di-n-octylphthalate	ug/kg	<67.0	67.0	03/13/17 14:37	
Dibenz(a,h)anthracene	ug/kg	<67.0	67.0	03/13/17 14:37	
Dibenzofuran	ug/kg	<67.0	67.0	03/13/17 14:37	
Diethylphthalate	ug/kg	<67.0	67.0	03/13/17 14:37	
Dimethylphthalate	ug/kg	<67.0	67.0	03/13/17 14:37	
Fluoranthene	ug/kg	<67.0	67.0	03/13/17 14:37	
Fluorene	ug/kg	<67.0	67.0	03/13/17 14:37	
Hexachloro-1,3-butadiene	ug/kg	<67.0	67.0	03/13/17 14:37	
Hexachlorobenzene	ug/kg	<67.0	67.0	03/13/17 14:37	
Hexachlorocyclopentadiene	ug/kg	<330	330	03/13/17 14:37	
Hexachloroethane	ug/kg	<67.0	67.0	03/13/17 14:37	
Indeno(1,2,3-cd)pyrene	ug/kg	<67.0	67.0	03/13/17 14:37	
Isophorone	ug/kg	<67.0	67.0	03/13/17 14:37	
N-Nitroso-di-n-propylamine	ug/kg	<67.0	67.0	03/13/17 14:37	
N-Nitrosodiphenylamine	ug/kg	<67.0	67.0	03/13/17 14:37	
Naphthalene	ug/kg	<67.0	67.0	03/13/17 14:37	
Nitrobenzene	ug/kg	<67.0	67.0	03/13/17 14:37	
Pentachlorophenol	ug/kg	<670	670	03/13/17 14:37	CC
Phenanthrene	ug/kg	<67.0	67.0	03/13/17 14:37	
Phenol	ug/kg	<67.0	67.0	03/13/17 14:37	
Pyrene	ug/kg	<67.0	67.0	03/13/17 14:37	
1,2-Dichlorobenzene-d4 (S)	%.	55	20-130	03/13/17 14:37	
2,4,6-Tribromophenol (S)	%.	56	19-122	03/13/17 14:37	
2-Chlorophenol-d4 (S)	%.	57	20-130	03/13/17 14:37	
2-Fluorobiphenyl (S)	%.	62	30-115	03/13/17 14:37	
2-Fluorophenol (S)	%.	55	25-121	03/13/17 14:37	
Nitrobenzene-d5 (S)	%.	67	23-120	03/13/17 14:37	
p-Terphenyl-d14 (S)	%.	75	18-137	03/13/17 14:37	
Phenol-d5 (S)	%.	60	24-113	03/13/17 14:37	

LABORATORY CONTROL SAMPLE: 80913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1070	64	35-110	
1,2-Dichlorobenzene	ug/kg	1670	978	59	36-107	
1,3-Dichlorobenzene	ug/kg	1670	963	58	34-104	
1,4-Dichlorobenzene	ug/kg	1670	987	59	35-108	
2,2'-Oxybis(1-chloropropane)	ug/kg	1670	1030	62	33-116	
2,4,5-Trichlorophenol	ug/kg	1670	1160	70	45-111	
2,4,6-Trichlorophenol	ug/kg	1670	1120	67	45-110	
2,4-Dichlorophenol	ug/kg	1670	1140	68	41-117	
2,4-Dimethylphenol	ug/kg	1670	1170	70	24-96	

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

LABORATORY CONTROL SAMPLE: 80913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg	1670	<670	26	10-80	CC
2,4-Dinitrotoluene	ug/kg	1670	1300	78	49-112	
2,6-Dinitrotoluene	ug/kg	1670	1230	74	50-109	
2-Chloronaphthalene	ug/kg	1670	1040	62	35-107	
2-Chlorophenol	ug/kg	1670	1060	63	36-109	
2-Methylnaphthalene	ug/kg	1670	1110	67	31-135	
2-Methylphenol(o-Cresol)	ug/kg	1670	1050	63	36-104	
2-Nitroaniline	ug/kg	1670	1070	64	42-118	
2-Nitrophenol	ug/kg	1670	1050	63	36-117	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1050	63	37-137	
3,3'-Dichlorobenzidine	ug/kg	1670	1010	61	41-116	
3-Nitroaniline	ug/kg	1670	1130	68	40-95	
4,6-Dinitro-2-methylphenol	ug/kg	1670	<670	32	16-104	
4-Bromophenylphenyl ether	ug/kg	1670	1110	67	50-116	
4-Chloro-3-methylphenol	ug/kg	1670	1270	76	45-118	
4-Chloroaniline	ug/kg	1670	1030	62	29-88	
4-Chlorophenylphenyl ether	ug/kg	1670	1240	75	48-111	
4-Nitroaniline	ug/kg	1670	1310	79	46-110	
4-Nitrophenol	ug/kg	1670	1400	84	26-118	
Acenaphthene	ug/kg	1670	1130	68	45-109	
Acenaphthylene	ug/kg	1670	1110	67	43-107	
Anthracene	ug/kg	1670	1190	71	50-117	
Benzo(a)anthracene	ug/kg	1670	1210	73	52-116	
Benzo(a)pyrene	ug/kg	1670	1290	77	56-119	
Benzo(b)fluoranthene	ug/kg	1670	1270	76	45-122	
Benzo(g,h,i)perylene	ug/kg	1670	1350	81	30-107	
Benzo(k)fluoranthene	ug/kg	1670	1310	79	54-124	
bis(2-Chloroethoxy)methane	ug/kg	1670	970	58	29-112	
bis(2-Chloroethyl) ether	ug/kg	1670	908	54	32-116	CC
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1420	85	60-127	
Butylbenzylphthalate	ug/kg	1670	1350	81	54-130	
Carbazole	ug/kg	1670	1240	75	40-120	
Chrysene	ug/kg	1670	1300	78	48-121	
Di-n-butylphthalate	ug/kg	1670	1340	80	53-124	
Di-n-octylphthalate	ug/kg	1670	1400	84	46-141	
Dibenz(a,h)anthracene	ug/kg	1670	1290	77	52-109	
Dibenzofuran	ug/kg	1670	1170	70	48-112	
Diethylphthalate	ug/kg	1670	1310	78	51-114	
Dimethylphthalate	ug/kg	1670	1220	73	49-112	
Fluoranthene	ug/kg	1670	1190	72	45-126	
Fluorene	ug/kg	1670	1200	72	47-108	
Hexachloro-1,3-butadiene	ug/kg	1670	1180	71	36-118	
Hexachlorobenzene	ug/kg	1670	1070	64	51-110	
Hexachlorocyclopentadiene	ug/kg	1670	891	53	10-97	
Hexachloroethane	ug/kg	1670	1040	62	34-105	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1260	75	50-108	
Isophorone	ug/kg	1670	1130	68	14-129	

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

LABORATORY CONTROL SAMPLE: 80913

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/kg	1670	1180	71	33-109	
N-Nitrosodiphenylamine	ug/kg	1670	1150	69	39-90	
Naphthalene	ug/kg	1670	1080	65	18-142	
Nitrobenzene	ug/kg	1670	1170	70	36-119	
Pentachlorophenol	ug/kg	1670	<670	30	22-115	CC
Phenanthrene	ug/kg	1670	1190	72	47-124	
Phenol	ug/kg	1670	1140	69	38-104	
Pyrene	ug/kg	1670	1270	76	49-132	
1,2-Dichlorobenzene-d4 (S)	%.			59	20-130	
2,4,6-Tribromophenol (S)	%.			63	19-122	
2-Chlorophenol-d4 (S)	%.			62	20-130	
2-Fluorobiphenyl (S)	%.			66	30-115	
2-Fluorophenol (S)	%.			61	25-121	
Nitrobenzene-d5 (S)	%.			70	23-120	
p-Terphenyl-d14 (S)	%.			73	18-137	
Phenol-d5 (S)	%.			68	24-113	

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

QC Batch: 16525
QC Batch Method: ASTM D2216-92
Analysis Method: ASTM D2216-92
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 7013002001

SAMPLE DUPLICATE: 80147

Parameter	Units	7013002001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	5.6	5.6	1	

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QUALITY CONTROL DATA

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

QC Batch: 16631 Analysis Method: EPA 8260C
QC Batch Method: EPA 1312 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 7013002001

METHOD BLANK: 80491 Matrix: Solid
Associated Lab Samples: 7013002001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	mg/L	<0.010	0.010	03/13/17 15:08	
1,2-Dichloroethane	mg/L	<0.010	0.010	03/13/17 15:08	
2-Butanone (MEK)	mg/L	<0.010	0.010	03/13/17 15:08	
Benzene	mg/L	<0.010	0.010	03/13/17 15:08	
Carbon tetrachloride	mg/L	<0.010	0.010	03/13/17 15:08	
Chlorobenzene	mg/L	<0.010	0.010	03/13/17 15:08	
Chloroform	mg/L	<0.010	0.010	03/13/17 15:08	
Tetrachloroethene	mg/L	<0.010	0.010	03/13/17 15:08	
Trichloroethene	mg/L	<0.010	0.010	03/13/17 15:08	
Vinyl chloride	mg/L	<0.010	0.010	03/13/17 15:08	
1,2-Dichloroethane-d4 (S)	%.	89	53-183	03/13/17 15:08	
4-Bromofluorobenzene (S)	%.	101	63-140	03/13/17 15:08	
Toluene-d8 (S)	%.	98	60-135	03/13/17 15:08	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 7013002001

[1] EPA8270d Re-extraction/re-analysis confirmed low surrogate recovery and confirmed sample results.

ANALYTE QUALIFIERS

CC The continuing calibration for this compound is outside of method control limits. The result is estimated.

S0 Surrogate recovery outside laboratory control limits.

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Melville, NY 11747
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ZEOLITE TEST 3/8
Pace Project No.: 7013002

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7013002001	**ZEOLITE (CANISTER #)**	EPA 3005A	16484	EPA 6010C	16567
7013002001	**ZEOLITE (CANISTER #)**	EPA 7470A	16488	EPA 7470A	16572
7013002001	**ZEOLITE (CANISTER #)**	EPA 3545A	16717	EPA 8270D	16748
7013002001	**ZEOLITE (CANISTER #)**	EPA 1312	16631	EPA 8260C	17007
7013002001	**ZEOLITE (CANISTER #)**	ASTM D2216-92	16525		

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CHAIN-OF-CUSTODY / Analytical Request Document

3-8-17

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

WO#: 7013002



Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Wire to WATER	Report To: Fairchild-Mairoll Corp.	Attention: Donald Miller
Address: 136 Gazza BLVD. Farmingdale N.Y. 11735	Copy To: Wire to WATER	Company Name: Fairchild Mairoll Corp.
Email To: Paul@wiretowater.com	Purchase Order No.:	Address: 1600 Tyson BLVD. Suite 100
Phone: 631-777-7310 Fax: 631-777-7312	Project Name: Zeolite test	Pace Quote Reference: PH (703) 478-5800
Requested Due Date/TAT:	Project Number:	Pace Project Manager: FAX (703) 478-5775
		Pace Profile #:

RE 7013002

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: N.Y.

REFLAB# 1412438

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	8260	8270	T.C.L.P metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	Zeolite (canister 3)					3-8-17	12:30		6										X	X	X		-001
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	James Bonnici	3-8-17	3:20	Jaclyn Rivera/Pace	3-8-17	1550	2.4°C

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Bonnici

SIGNATURE of SAMPLER: James Bonnici DATE Signed (MM/DD/YY): 3-8-17

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

WO#:7013002

PM: JDS Due Date: 03/17/17
CLIENT: FAIR

Pace Analytical

Sample Condition Upon Receip

Client Name: Wire to Water

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other _____

Optional
Proj. Due Date:
Proj. Name:

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

Thermometer Used: TH077 (TH078) Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 2.4C

Date and Initials of person examining contents: JK 3-8-17

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix (SL) WT OIL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	Initial when completed: / Lot # of added preservative:
Exceptions: VOA, micro, TOC, O&G		Date and Time preservative added:
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

* PM (Project Manager) review is documented electronically in LIMS.