

March 13, 2020

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. 1-52-130

Dear Mr. Corcoran,

Henningson, Durham, & Richardson Architecture & Engineering P. C. (HDR) 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 November 2019 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.

VOCs in Groundwater

Groundwater samples were collected in 11 wells from November 19 to November 21, 2019. Groundwater sample collection logs are included in Attachment 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 10 wells (MW-37I, MW-41, 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 VOC concentrations with time in each well at the MPS. A comparison of the size and concentration of chlorinated VOC in 2019 (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.

Chlorinated VOCs in a groundwater sample collected from MW-50 (1,214.8 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 nine intermediate zone monitoring wells within the MPS plume have significantly (>80%) decreasing from 2004 to 2019 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.

Groundwater Remedy Effectiveness

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.

Roughly 25 million gallons of water were extracted, treated, and discharged at the MPS in 2019. The groundwater remediation system has extracted and remediated more than one billion gallons of groundwater and removed over 14,700 pounds (1,216 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 2019. 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 2019, the influent concentration of VOCs has decreased from 2,000 to 610 ug/l. 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 2019) are summarized on Table 2. The 2019 data can be compared with the results of previous year's data to show the progress of the groundwater remediation. The data on Table 2 show the average concentration has decreased in concentration from 1,030 ug/l in 2004 (baseline) to 142 ug/l in 2019. These data are also 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 three years (2019-2022) for the average concentration in these wells to reach 100 ug/l. These data also show that roughly 80 percent (1,030 to 142 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 14,700 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 (14,700/16,000 pounds), shows that roughly 92 percent of the mass has been removed from the aquifer.

CONCLUSIONS

- The groundwater remedy is successful at remediating the MPS plume.
- The groundwater remediation system removed approximately 14,700 pounds or 1,216 gallons of VOCs from the aquifer by December 2019.
- The influent VOC concentration to the treatment plant began to decrease in concentration from 2009 to 2019 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 142 ug/l during 15 years of operation. The average concentration of VOCs is projected to decrease below 100 ug/l in three 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 three 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

Parameter	Units	MW-37i 11/21/2019	MW-41i 11/21/2019	MW-42i 11/19/2019	MW-42D 11/19/2019	MW-43i 11/20/2019	MW-46i 11/21/2019	MW-49i 11/20/2019	MW-49D 11/20/2019	MW-50 11/21/2019	S-66133 11/19/2019	S-66134 11/19/2019	TB-01 11/19/2019	TB-02 11/20/2019	TB-03 11/21/2019
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/L	4.1	ND	ND	ND	ND	ND	ND	ND	6.8	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
1,1,2-Trichloroethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	9.3	ND	ND	2.8	ND	1.0	4.7	7.0	28.5	ND	4.2	ND	ND	ND
1,1-Dichloroethene	ug/L	14.5	ND	ND	ND	ND	ND	1.6	2.6	25.2	ND	ND	ND	ND	ND
1,1-Dichloropropene	ug/L	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
1,2,3-Trichloropropane	ug/L	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
1,2,4-Trimethylbenzene	ug/L	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
1,2-Dibromoethane (EDB)	ug/L	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
1,2-Dichloroethane	ug/L	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
1,3,5-Trimethylbenzene	ug/L	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
1,3-Dichloropropane	ug/L	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
2,2-Dichloropropane	ug/L	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
2-Chloroethylvinyl ether	ug/L	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
2-Hexanone	ug/L	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
4-Methyl-2-pentanone (MIBK)	ug/L	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
Benzene	ug/L	1.4	ND	ND	ND	ND	ND	1.1	3.5	ND	ND	ND	ND	ND	ND
Bromobenzene	ug/L	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
Bromodichloromethane	ug/L	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
Bromomethane	ug/L	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
Carbon tetrachloride	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	ND	2.3	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
Chloroform	ug/L	1.2	ND	ND	ND	ND	ND	ND	3.9	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	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
Dibromomethane	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ug/L	ND	ND	ND	ND	2.0	ND	ND	1.8	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	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
Isopropylbenzene (Cumene)	ug/L	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
Methylene Chloride	ug/L	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
Styrene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	32.3	13.4	ND	ND	3.5	2.0	12.2	210	81.8	ND	ND	ND	ND	ND
Toluene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	87	2.5	ND	14.2	56	15.8	30.6	218	716	8.4	ND	ND	ND	ND
Trichlorofluoromethane	ug/L	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
Vinyl chloride	ug/L	3.4	ND	ND	ND	ND	ND	14.3	16.3	27.3	ND	9.9	ND	ND	ND
Xylene (Total)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	122	5.4	ND	ND	6.0	ND	170	197	328	5.5	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	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
n-Butylbenzene	ug/L	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
o-Xylene	ug/L	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
sec-Butylbenzene	ug/L	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
trans-1,2-Dichloroethene	ug/L	ND	ND	ND	ND	ND	7.3	ND	1.2	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL CVOCS		272.6	21.3	0	17	65.5	17.8	240.7	625	1214.8	13.9	14.1	0	0	0

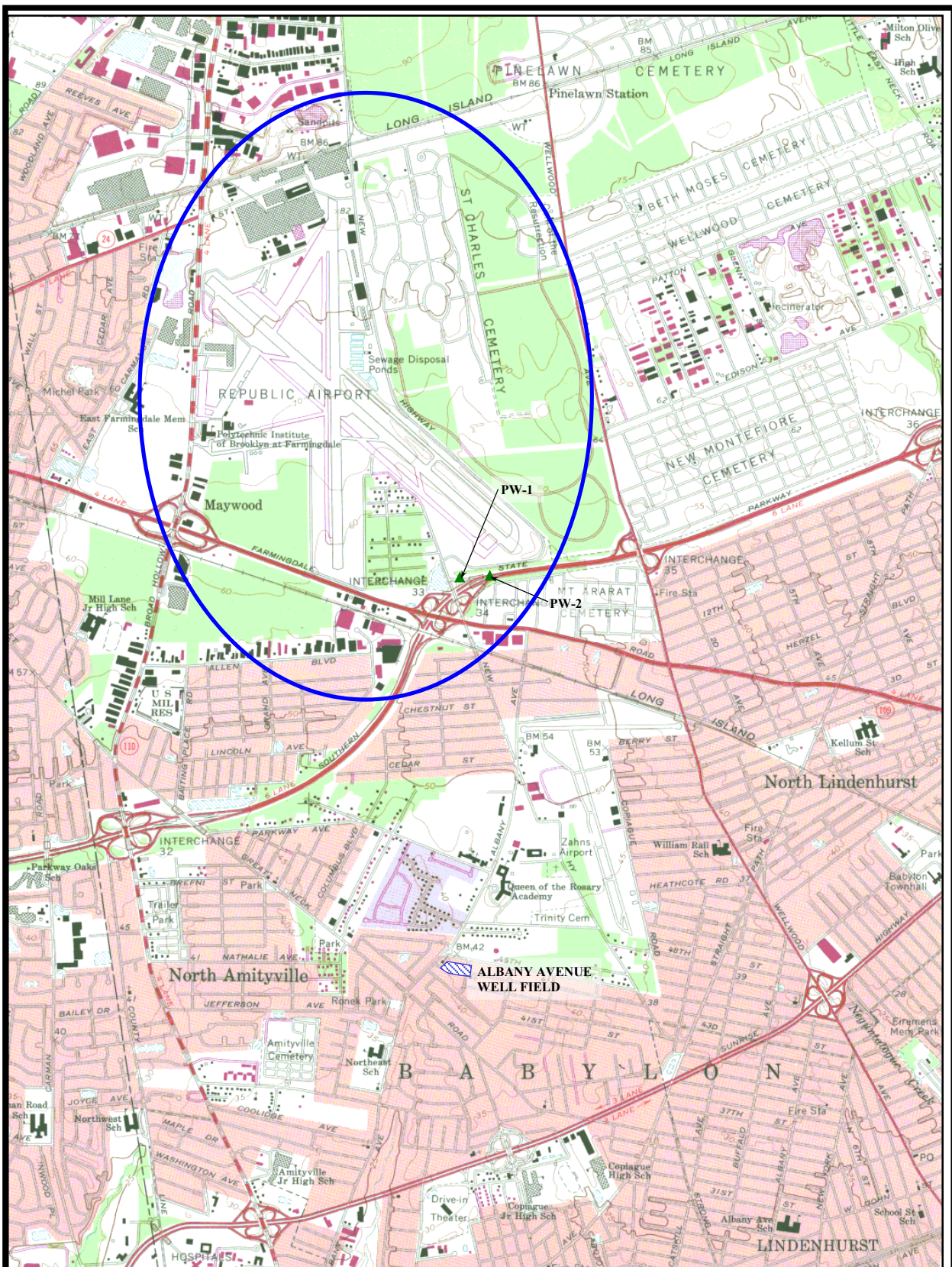
TABLE 2
AVERAGE TOTAL CHLORINATED VOC CONCENTRATION
FAIRCHILD MAIN PLANT SITE
MAIROLL, INC.
EAST FARMINGDALE, NEW YORK

Well No.	Baseline Total CVOOC 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 (ug/L) September-15	Total VOC Concentration (ug/L) December-16	Total VOC Concentration (ug/L) December-17	Total VOC Concentration (ug/L) October-18	Total VOC Concentration (ug/L) November-19
MW-41	1,123	367	198	110	122	97	57	109	42	40	37.0	27.1	21.3
MW-46I	222	143	128	103	95	2	66	71	19	41	29.7	18.7	17.8
MW-42I	20	23	10	9	5	11	20	2	108	1	1.3	1.1	0.0
MW-42D	62	71	32	45	39	40	46	60	36	26	21.5	10.9	17.0
S-66133	277	231	229	239	106	210	56	295	258	293	85.6	13.1	13.9
MW-43I	740	589	782	406	506	416	232	350	42	115	85.1	77.5	65.5
MW-49I	1,365	346	155	107	107	264	184	218	536	352	291	221	241
MW-49D	2,024	1,926	2,594	2,456	2,732	2373	1164	1014	394	216	230	127	625
MW-37I	3,437	2,817	1,986	1,676	1,813	1971	1448	821	346	558	451	566	273
Average	1,030	724	679	572	614	598	364	327	198	183	137	118	142

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

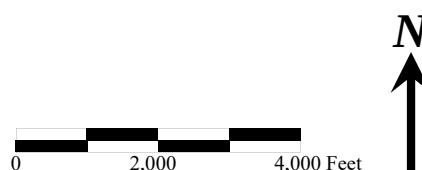
TABLE 3
EFFLUENT WATER QUALITY LABORATORY RESULTS
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC.
EAST FARMINGDALE, NY

Compound	EFF 1/28/2019	EFF 2/28/2019	EFF 3/29/2019	EFF 4/28/2019	EFF 6/28/2019	EFF 7/31/2019	EFF 8/29/2019	EFF 9/30/2019	EFF 10/31/2019	EFF 12/18/2019
1,1 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1 Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichlorobenzene (v)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3 Dichlorobenzene (v)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4 Dichlorobenzene (v)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
111 Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1112Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
112 Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1122Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
123-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
123-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
124-Trichlorobenzene (v)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
124-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1245 Tetramethylbenz	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
135-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
c-1,3Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m + p Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylisobutylketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene(v)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ter-ButylMethylEther	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



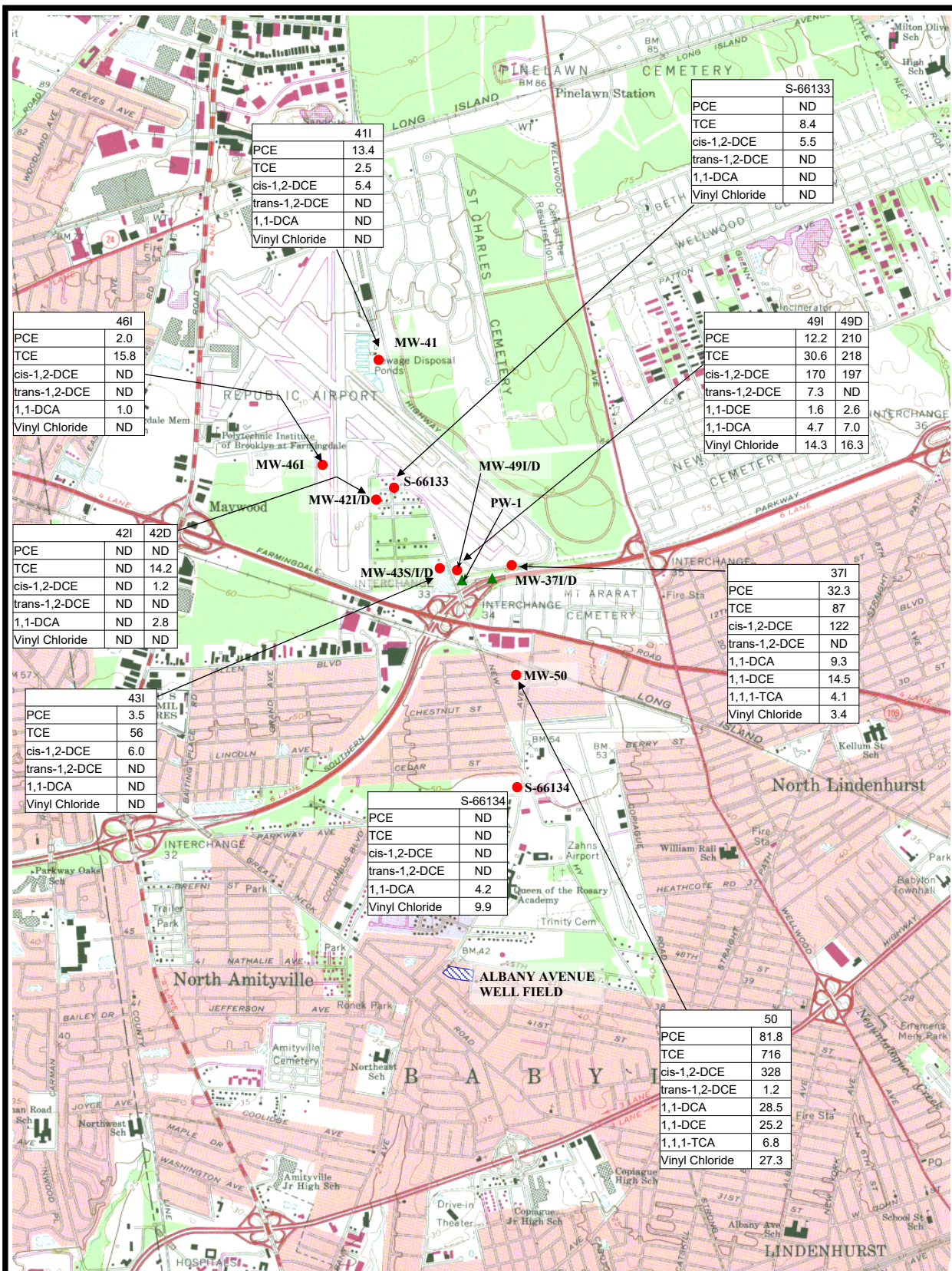
LEGEND

-  WELL FIELD
-  MONITORING WELL
-  RECOVERY WELL



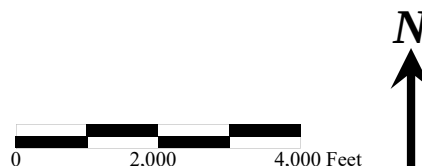
SITE LOCATION
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 1



LEGEND

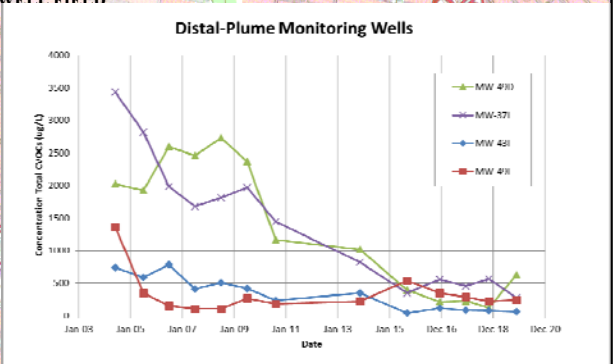
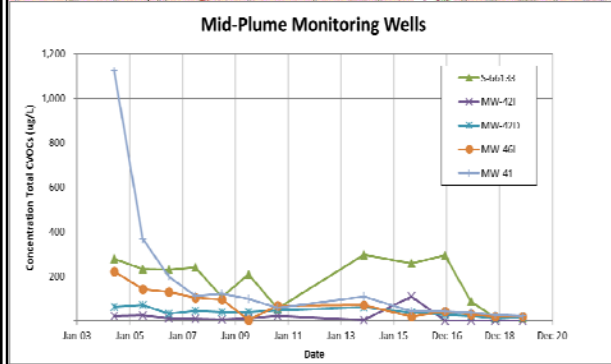
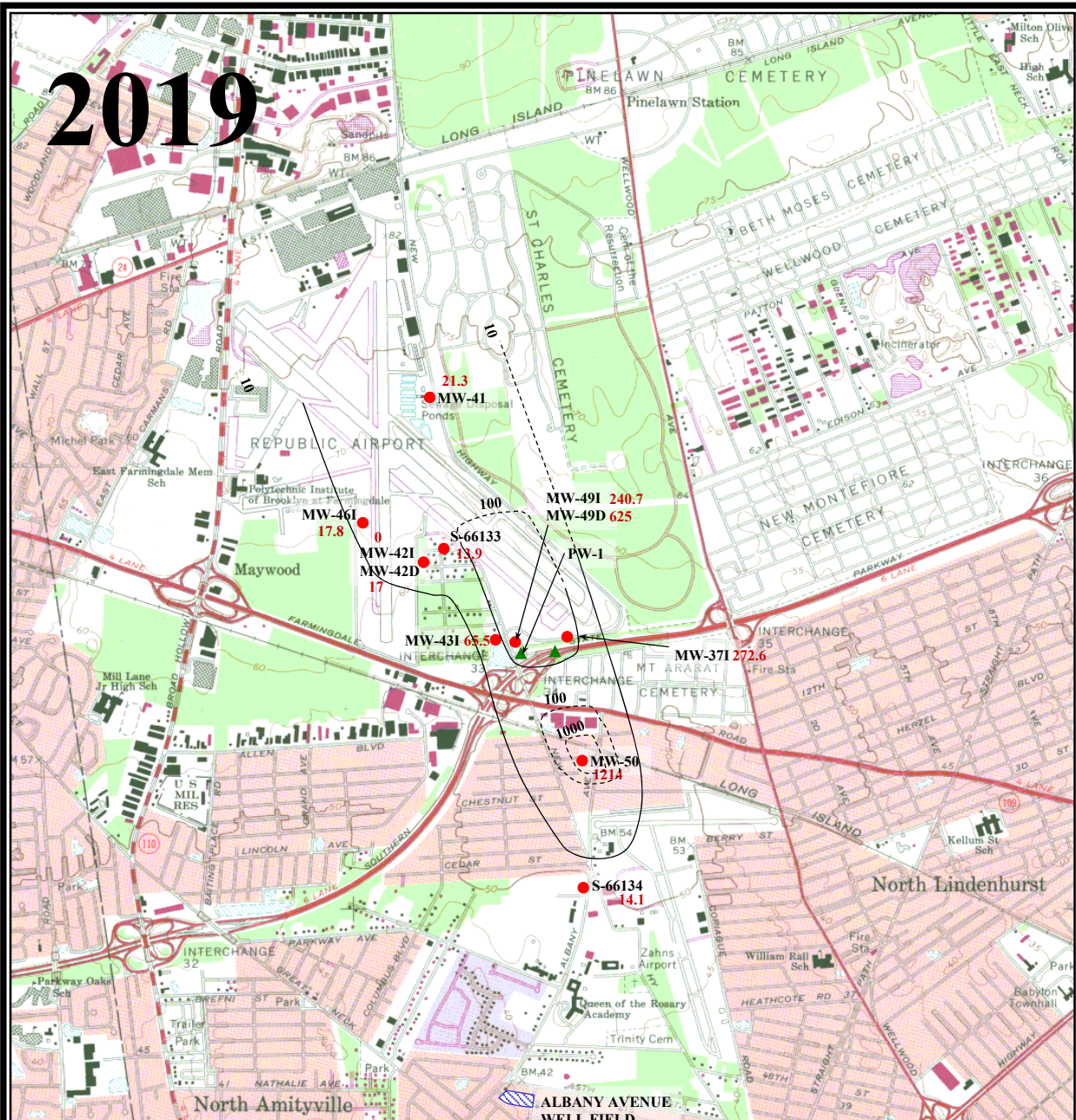
- WELL FIELD
 - MONITORING WELL
 - RECOVERY WELL
 - ND NON DETECTION OF VOCs
- All VOC Concentrations Reported in µg/L



DISTRIBUTION OF CHLORINATED VOC'S IN GROUNDWATER – November 2019
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 2

2019



LEGEND

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

ISOCONCENTRATION CONTOUR (inferred where dashed)

100

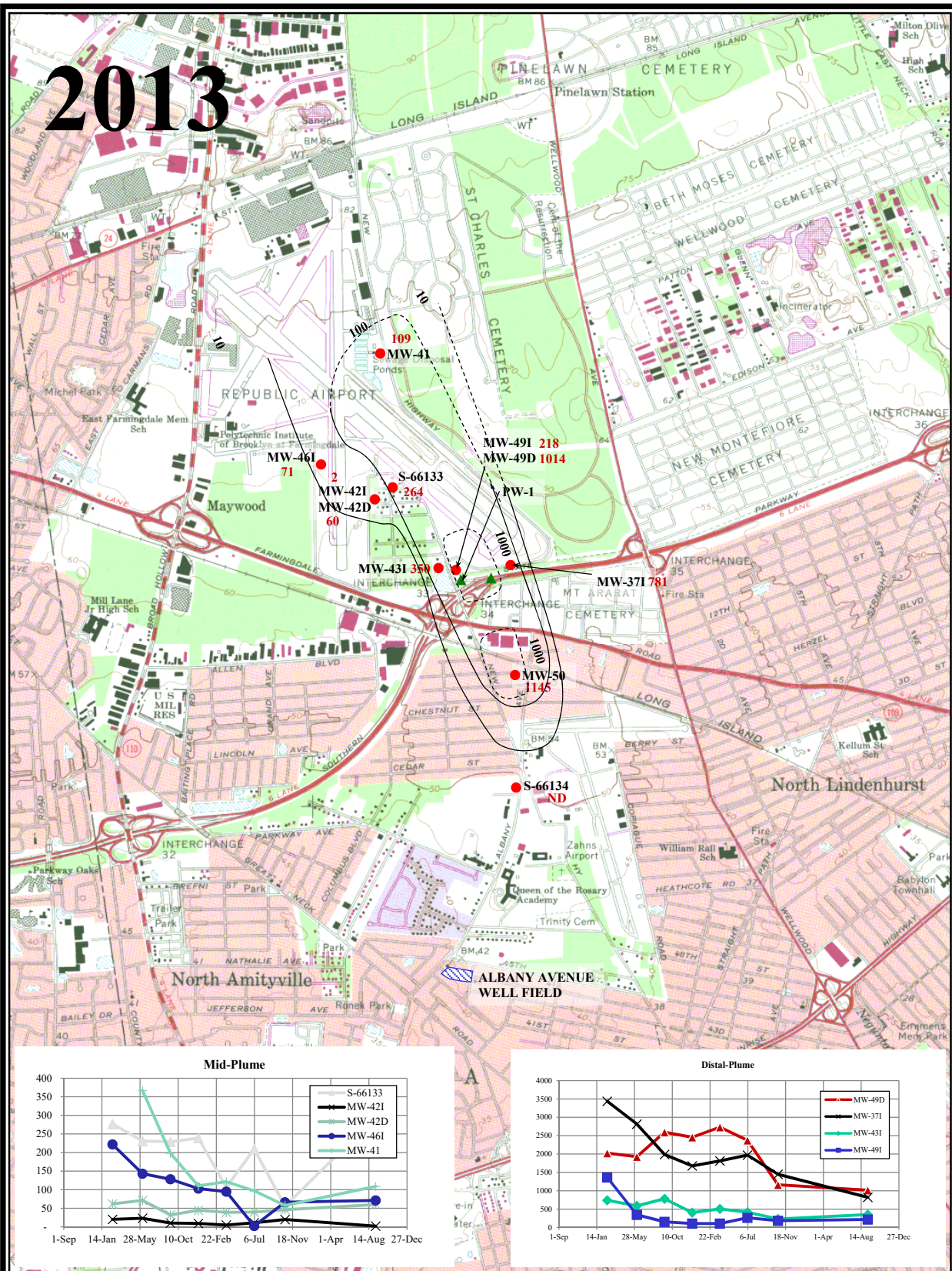
0 2,000 4,000 Feet



SITE-RELATED TOTAL CHLORINATED VOC'S, INTERMEDIATE ZONE – November 2019
FAIRCHILD REPUBLIC MAIN PLANT SITE
MAIROLL, INC
EAST FARMINGDALE, NEW YORK

FIGURE 3

2013



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

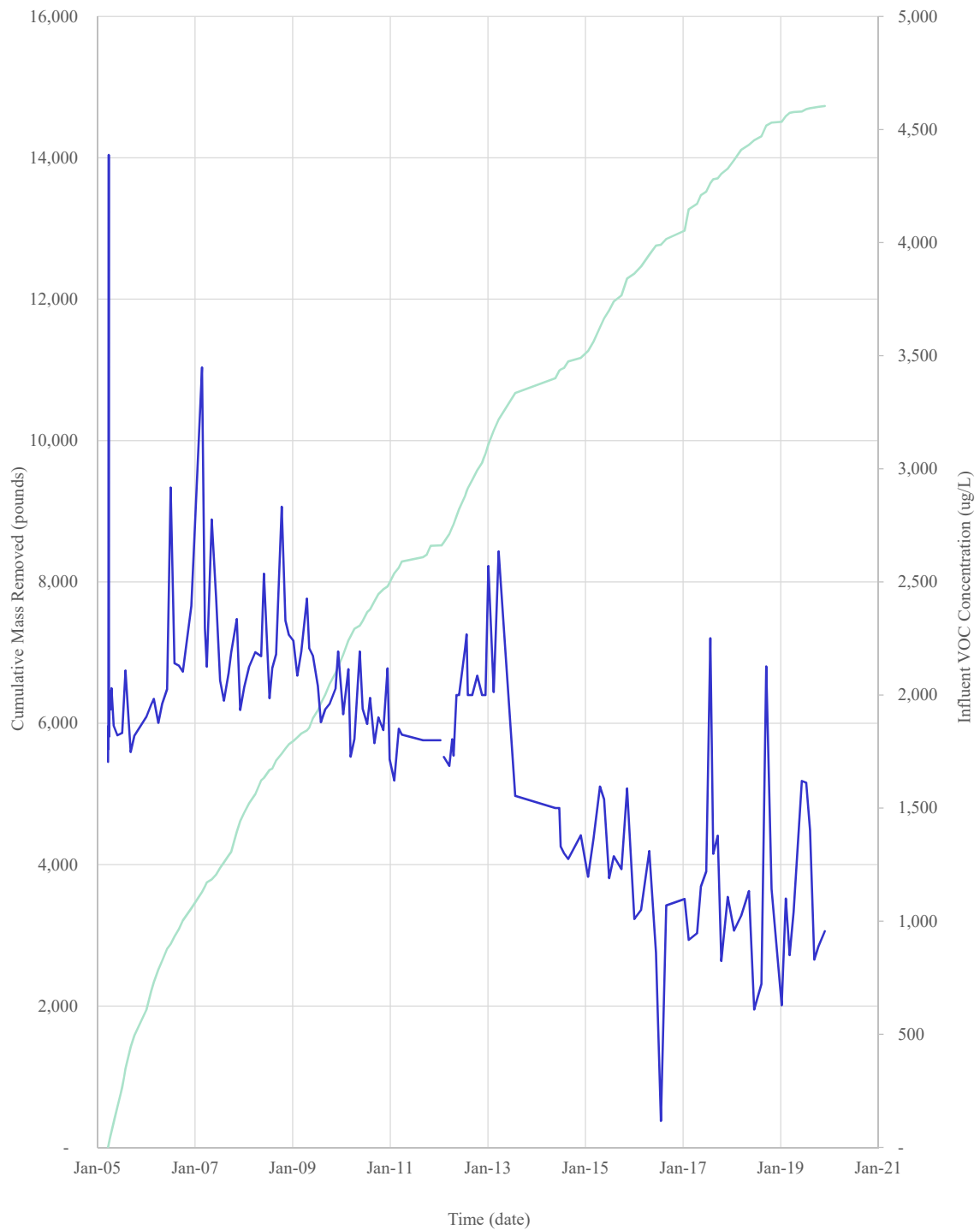
*ALL VOC CONCENTRATIONS ARE ROUNDED TO NEAREST WHOLE NUMBER

0 2,000 4,000 Feet



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

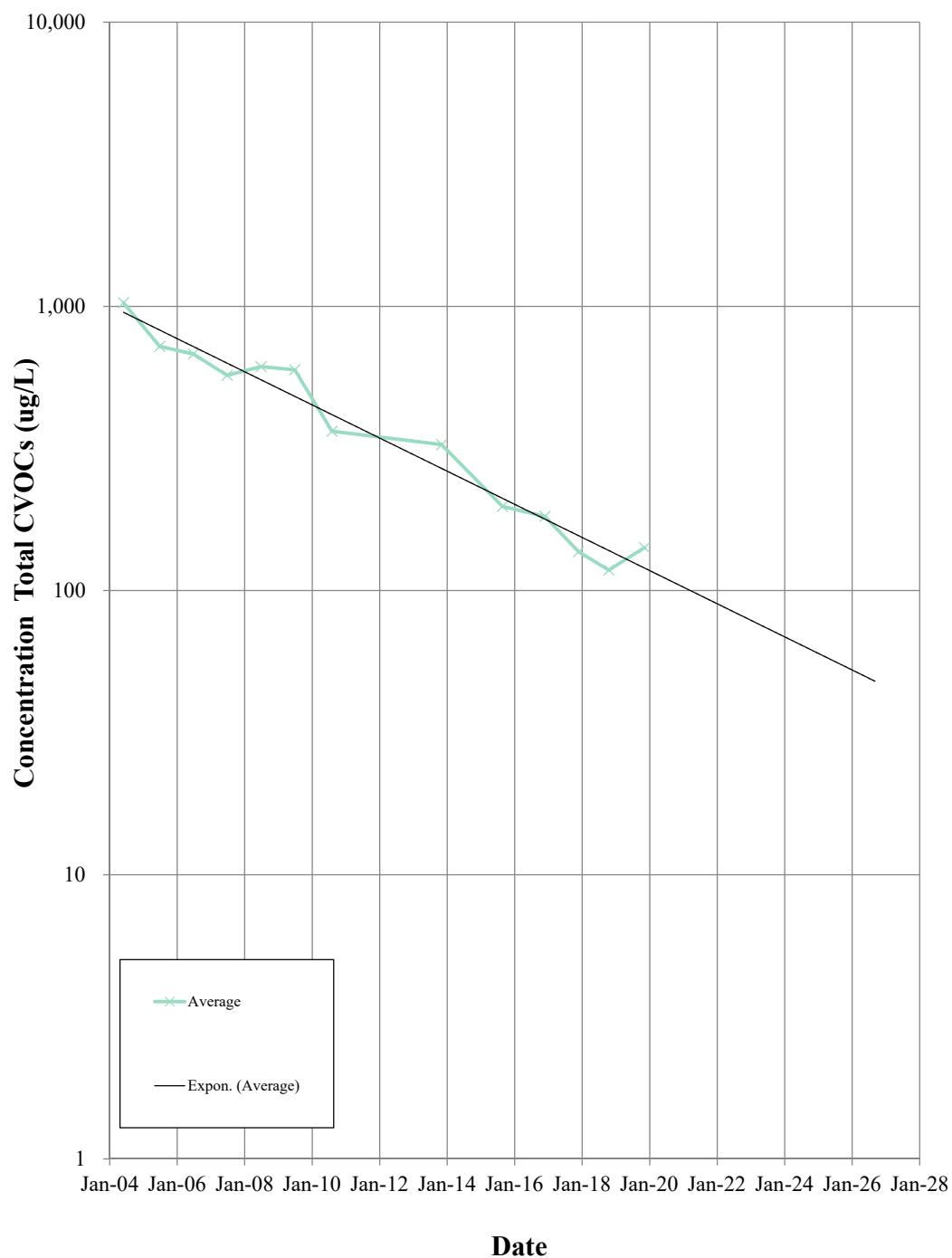
FIGURE 4



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

FIGURE 5

Average Concentration in Monitoring Wells



**GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS**

PROJECT NUMBER: 10025227 DATE: 11-19-19
PROJECT NAME: Fairchild SAMPLERS: MTP, MV
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Don St. Germain WEATHER: 46°F, cloudy

WELL IDENTIFICATION NUMBER: MW-42D PERMIT:
WELL HEADSPACE READING: 0.0 PID MODEL/LAMP: Mini. Rae 3000
DEPTH TO WATER (Before Purging): 20.39 FEET FROM TOP OF CASING
WELL DEPTH: 240 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 24.61 FEET
WATER IN ONE WELL VOLUME: 143 GALLONS
PURGE TIME (start/finish): 1100 / 1325 PURGE RATE: 200 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1325 SAMPLE RATE: 200 mL
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE: clear

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1110	1120	1130	1140	1150	1200	1210	1220	1230	1240
pH (SU)	4.80	5.63	5.38	5.27	5.21	5.18	5.16	5.18	5.17	5.16
specific conductivity (mS)	0.134	0.102	0.122	0.152	0.153	0.150	0.150	0.150	0.150	0.150
turbidity (NTU's)	0.0	0.0	0.0	724	331	216	158	98.2	59.0	38.9
dissolved oxygen (mg/l)	6.28	2.87	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
temperature (degrees C)	13.18	12.97	13.21	13.39	13.14	13.12	13.15	12.96	13.00	12.94
redox potential (mv)	310	136	176	221	246	262	272	278	285	291
depth to water (feet)	20.39	20.39	20.39	20.39	20.39	20.39	20.39	20.39		
volume purged (gal or L)								59.1		

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCS, 8260 B
Sample ID: MW-42D - 20191119
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:



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

Page 2 of 2

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227 DATE: 11-19-19
PROJECT NAME: Fairchild SAMPLERS: MTP, MV
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. Germain WEATHER: 46°F, cloudy

WELL IDENTIFICATION NUMBER: MW-42D PERMIT: _____
WELL HEADSPACE READING: _____ PID MODEL/LAMP: _____
DEPTH TO WATER (Before Purging): See page 1 FEET FROM TOP OF CASING
WELL DEPTH: _____ FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: _____ FEET
WATER IN ONE WELL VOLUME: _____ GALLONS
PURGE TIME (start/finish): _____ PURGE RATE: _____
WELL EVACUATION DEVICE: _____
SAMPLING TIME (start/finish): _____ SAMPLE RATE: _____
SAMPLE COLLECTION DEVICE: _____
SAMPLE APPEARANCE: _____

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1250	1255	1305	1310	1315	1320				
pH (SU)	5.15	5.14	5.17	5.16	5.14	5.15				
specific conductivity (mS)	0.150	0.149	0.149	0.149	0.149	0.150				
turbidity (NTU's)	19.5	15.8	12.4	10.9	10.5	10.1				
dissolved oxygen (mg/l)	0.00	0.00	0.00	0.00	0.00	0.00				
temperature (degrees C)	12.64	12.58	12.65	12.78	12.78	12.83				
redox potential (mv)	296	298	301	304	306	307				
depth to water (feet)										
volume purged (gal or L)										

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCS, 8260B
LABORATORY: Sample ID: MW-42D-20191119
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 water level 20.36



GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227 DATE: 11/16/19
PROJECT NAME: Fairchild SAMPLERS: MIP, ML
SITE LOCATION: Farmingdale, NY
SITE CONTACT: David St. Germain WEATHER: 46°F, cloudy

WELL IDENTIFICATION NUMBER: MW-7421 PERMIT: MiniRae 300
WELL HEADSPACE READING: 0.0 PID MODEL/LAMP: MiniRae 300
DEPTH TO WATER (Before Purging): 20.95 FEET FROM TOP OF CASING
WELL DEPTH: 179 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 158.05 FEET
WATER IN ONE WELL VOLUME: 103 GALLONS
PURGE TIME (start/finish): 1137 PURGE RATE: 200 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1355 SAMPLE RATE: 200 mL/min
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE:

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1137	1147	1157	1207	1217	1227	1237	1247	¹³¹⁰ 1257	1320
pH (SU)	5.23	5.35	5.70	5.50	5.57	5.71	5.42	5.46	5.85	5.57
specific conductivity (mS)	0.122	0.080	0.257	0.167	0.160	0.177	0.148	0.174	0.254	0.151
turbidity (NTU's)	32.3	2.2	0.0	0.62	4.19	2.01	1.46	45.4	80.1	89.3
dissolved oxygen (mg/l)	6.42	3.29	0.65	0.57	0.55	0.58	0.37	0.18	9.05	3.22
temperature (degrees C)	12.02	13.30	13.25	13.53	13.31	13.33	13.43	13.21	12.89	13.40
redox potential (mv)	248	218	163	198	200	216	235	228	239	154
depth to water (feet)										
volume purged (gal or L)										

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCS 826013
Sample ID: MW-421-20191119
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: Parked pump at 1250 due to water loss. Restarted at
1305 - potential air leak problem
2+ hour purge



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

Page 2 of 2

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227 DATE: 11-19-19
PROJECT NAME: Tairchild SAMPLERS: MTP ML
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. German WEATHER: 46°F, Cldy

WELL IDENTIFICATION NUMBER: Mw. 42I PERMIT: _____
WELL HEADSPACE READING: _____ PID MODEL/LAMP: _____
DEPTH TO WATER (Before Purging): See Page 1 FEET FROM TOP OF CASING
WELL DEPTH: _____ FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: _____ FEET
WATER IN ONE WELL VOLUME: _____ GALLONS
PURGE TIME (start/finish): _____ PURGE RATE: _____
WELL EVACUATION DEVICE: _____
SAMPLING TIME (start/finish): _____ SAMPLE RATE: _____
SAMPLE COLLECTION DEVICE: _____
SAMPLE APPEARANCE: _____

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1330	1335	1340	1345	1350	1355				
pH (SU)	5.62	5.69	5.90	5.89	5.83	5.85				
specific conductivity (mS)	0.148	0.202	0.056	0.218	0.220	0.218				
turbidity (NTU's)	127	121	198	111	114	109				
dissolved oxygen (mg/l)	0.39	0.28	8.26	1.18	1.19	1.87				
temperature (degrees C)	13.54	13.76	13.71	13.84	13.61	13.60				
redox potential (mv)	220	226	207	222	228	230				
depth to water (feet)										
volume purged (gal or L)										

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCS 8260B
LABORATORY: Sample ID: MW-42I-20191119
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:



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227 DATE: 11/19/14
PROJECT NAME: Fairchild SAMPLERS: MFP, MV
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. Germain WEATHER: 48°F, cloudy

WELL IDENTIFICATION NUMBER: ~~10025227~~ S-66133 PERMIT:
WELL HEADSPACE READING: 0.3 PID MODEL/LAMP: Mini Ruc 3000
DEPTH TO WATER (Before Purging): 22.85 FEET FROM TOP OF CASING
WELL DEPTH: 142 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 119.15 FEET
WATER IN ONE WELL VOLUME: 78 GALLONS
PURGE TIME (start/finish): 1442/1532 PURGE RATE: 300 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1532 SAMPLE RATE: 300 mL/min
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE: clear

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1452	1502	1512	1522	1527	1532				
pH (SU)	6.08	6.08	6.11	6.10	6.10	6.10				
specific conductivity (mS)	0.409	0.451	0.457	0.460	0.461	0.461				
turbidity (NTU's)	0.0	0.0	0.0	0.0	0.0	0.0				
dissolved oxygen (mg/l)	4.75	1.26	0.77	0.71	0.64	0.63				
temperature (degrees C)	12.23	12.29	12.25	12.21	12.19	12.20				
redox potential (mv)	15	11	5	1	0	-2				
depth to water (feet)										
volume purged (gal or L)										

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCs, 82608
Sample ID: S-66133-2019119
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:



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025527 DATE: 11-20-19
 PROJECT NAME: Fairchild SAMPLERS: MFD, UV
 SITE LOCATION: Farmingdale, NY
 SITE CONTACT: Dan St. Germain WEATHER: 41°F, cloudy

WELL IDENTIFICATION NUMBER: MW-43I PERMIT:
 WELL HEADSPACE READING: 00 PID MODEL/LAMP: Mini Bore 3000
 DEPTH TO WATER (Before Purging): 20.69 FEET FROM TOP OF CASING
 WELL DEPTH: 200 FEET FROM TOP OF CASING
 HEIGHT OF WATER IN WELL: 179.31 FEET
 WATER IN ONE WELL VOLUME: 117 GALLONS
 PURGE TIME (start/finish): 0912/1007 PURGE RATE: 250 mL/min
 WELL EVACUATION DEVICE: Bladder pump
 SAMPLING TIME (start/finish): 1010 SAMPLE RATE: 250 mL/min
 SAMPLE COLLECTION DEVICE: Bladder pump
 SAMPLE APPEARANCE: clear

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	0922	0932	0942	0952	0957	1002	1007			
pH (SU)	5.50	5.33	5.32	5.33	5.32	5.32	5.31			
specific conductivity (mS)	0.214	0.273	0.245	0.313	0.318	0.322	0.323			
turbidity (NTU's)	0.0	0.0	0.0	0.7	1.0	1.4	1.9			
dissolved oxygen (mg/l)	1.79	0.65	0.55	0.52	0.50	0.49	0.46			
temperature (degrees C)	13.46	13.52	13.61	13.56	13.57	13.41	13.42			
redox potential (mv)	65	181	210	222	228	232	234			
depth to water (feet)	20.69	20.69	20.69	20.69	20.69	20.69	20.69			
volume purged (gal or L)							5.99L			

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: WGS 8260B
 LABORATORY: Sample ID: MW-43I-20191120 @ 1010
 CONTACT: Pace Analytical
Jennifer Aracri

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: Collected a field duplicate:
BD01-20191120 @ 1015



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025527 DATE: 11-20-19
PROJECT NAME: Fairchild SAMPLERS: MTD, MV
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. German WEATHER: 42°F cloudy

WELL IDENTIFICATION NUMBER: MW-37I PERMIT:
WELL HEADSPACE READING: 0.0 PID MODEL/LAMP: Mini Rite 3000
DEPTH TO WATER (Before Purging): 18.17 FEET FROM TOP OF CASING
WELL DEPTH: 193 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 174.83 FEET
WATER IN ONE WELL VOLUME: 114 GALLONS
PURGE TIME (start/finish): 1119 | 1225 PURGE RATE: 200 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1235 SAMPLE RATE: 200 mL/min
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE: Slightly Turbid

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	<u>1119</u>	<u>1139</u>	<u>1159</u>	<u>1179</u>	<u>1199</u>	<u>1209</u>	<u>1214</u>	<u>1219</u>	<u>1224</u>	
pH (SU)	<u>5.91</u>	<u>5.76</u>	<u>5.66</u>	<u>5.77</u>	<u>5.66</u>	<u>5.70</u>	<u>5.67</u>	<u>5.66</u>	<u>5.66</u>	
specific conductivity (mS)	<u>0.261</u>	<u>0.202</u>	<u>0.174</u>	<u>0.237</u>	<u>0.168</u>	<u>0.145</u>	<u>0.147</u>	<u>0.148</u>	<u>0.145</u>	
turbidity (NTU's)	<u>2.0</u>	<u>0.0</u>	<u>304</u>	<u>96.8</u>	<u>93.1</u>	<u>112</u>	<u>117</u>	<u>113</u>	<u>114</u>	
dissolved oxygen (mg/l)	<u>6.85</u>	<u>7.05</u>	<u>6.45</u>	<u>5.79</u>	<u>5.19</u>	<u>4.69</u>	<u>4.26</u>	<u>4.21</u>	<u>4.13</u>	
temperature (degrees C)	<u>10.99</u>	<u>12.00</u>	<u>12.08</u>	<u>12.19</u>	<u>12.14</u>	<u>12.09</u>	<u>11.87</u>	<u>12.05</u>	<u>12.75</u>	
redox potential (mv)	<u>167</u>	<u>201</u>	<u>198</u>	<u>184</u>	<u>189</u>	<u>184</u>	<u>188</u>	<u>190</u>	<u>191</u>	
depth to water (feet)									<u>18.43</u>	
volume purged (gal or L)									<u>3 gal</u>	

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCs 8260B
MW Sample ID: MW-37I-20191120
LABORATORY: Pace Analytical
CONTACT: Jennifer Archer

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: Readings seem to be fluctuating with every push



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025527 DATE: 11-20-19
PROJECT NAME: Fairchild SAMPLERS: MTP, MV
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. Germain WEATHER: 41°F, Cloudy

WELL IDENTIFICATION NUMBER: MW-49I PERMIT: MiniPace 3000
WELL HEADSPACE READING: 0.0 PID MODEL/LAMP: MiniPace 3000
DEPTH TO WATER (Before Purging): 22.84 FEET FROM TOP OF CASING
WELL DEPTH: 110 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 87.16 FEET
WATER IN ONE WELL VOLUME: 57 GALLONS
PURGE TIME (start/finish): 1347 / 1457 PURGE RATE: 150 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1500 SAMPLE RATE: 150 mL/min
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE:

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1352	1402	1412	1422	1432	1442	1447	1452	1457	
pH (SU)	6.32	6.41	6.52	6.61	6.70	6.50	6.73	6.72	6.69	
specific conductivity (mS)	0.265	0.294	0.312	0.308	0.317	0.300	0.316	0.314	0.313	
turbidity (NTU's)	3.0	1.2	0.8	0.1	0.3	0.0	0.0	0.0	0.0	
dissolved oxygen (mg/l)	5.41	1.40	0.88	0.81	0.73	0.74	0.69	0.70	0.66	
temperature (degrees C)	10.12	10.82	10.99	11.27	11.21	11.27	11.27	11.07	11.04	
redox potential (mv)	137	111	98	92	84	96	81	78	80	
depth to water (feet)	22.85	22.85	22.85	22.85	22.85	22.85	22.85	22.85	22.85	
volume purged (gal or L)									2.5 gal	

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCs 8260 B
Sample ID: MW-49I-20191120
LABORATORY: Pace Analytical
CONTACT: Jennifer Acuna

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:

Pump malfunctioned, tried to fix water gauge but was fixed.



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025527 DATE: 11-20-19
PROJECT NAME: Fairchild SAMPLERS: MTP, MU
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. Germain WEATHER: 41°F, cloudy

WELL IDENTIFICATION NUMBER: MW-49D PERMIT:
WELL HEADSPACE READING: 0.0 PID MODEL/LAMP: Mini Rave 3000
DEPTH TO WATER (Before Purging): 22.34 FEET FROM TOP OF CASING
WELL DEPTH: 170 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 147.66 FEET
WATER IN ONE WELL VOLUME: 24 GALLONS
PURGE TIME (start/finish): 1411/1511 PURGE RATE: 100 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1515 SAMPLE RATE:
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE: 1

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1416	1426	1436	1446	1456	1506	1511			
pH (SU)	6.08	5.94	5.93	5.89	5.86	5.86	5.80			
specific conductivity (mS)	0.187	0.193	0.202	0.207	0.211	0.211	0.211			
turbidity (NTU's)	0.0	0.0	1.9	2.8	1.3	0.5	0.4			
dissolved oxygen (mg/l)	6.56	2.35	1.95	1.27	1.21	1.16	1.15			
temperature (degrees C)	12.40	12.32	12.30	12.22	12.31	12.34	12.41			
redox potential (mv)	20	42	72	103	145	149	155			
depth to water (feet)	22.35	22.38	22.40	22.40	22.40	22.40	22.40			
volume purged (gal or L)										

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCs 8260B
Sample ID: MW-49D-20191120
LABORATORY: Pace Analytical
CONTACT: Jennifer Acchiari

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:



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025827 DATE: 11-21-19
PROJECT NAME: Fairchild SAMPLERS: MTP, MV
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. Germain WEATHER: 39°F, Sunny

WELL IDENTIFICATION NUMBER: Mw-41 PERMIT: —
WELL HEADSPACE READING: 0.0 PID MODEL/LAMP: Mini Rae 3000
DEPTH TO WATER (Before Purging): 25.64 FEET FROM TOP OF CASING
WELL DEPTH: 140 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 114.36 FEET
WATER IN ONE WELL VOLUME: 74.65 GALLONS
PURGE TIME (start/finish): 0823 / 0910 PURGE RATE: 250 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 0910 SAMPLE RATE: 250 mL/min
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE: clear, no particles

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	0828	0838	0848	0858	0903	0908				
pH (SU)	5.83	6.09	6.11	6.12	6.12	6.12				
specific conductivity (mS)	0.260	0.379	0.467	0.477	0.484	0.485				
turbidity (NTU's)	0.0	0.5	1.1	0.6	0.2	0.3				
dissolved oxygen (mg/l)	4.14	1.02	0.78	0.67	0.61	0.60				
temperature (degrees C)	14.10	14.75	14.69	14.78	14.75	14.77				
redox potential (mv)	25	33	59	69	69	65				
depth to water (feet)	25.58	25.74	25.74	25.74	25.74	25.74				
volume purged (gal or L)										

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCs 8760B
Sample ID: Mw-41-20191121
LABORATORY: Pace Analytical
CONTACT: Tennifer Argeri

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:



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 100 25227 DATE: 11.21.19
PROJECT NAME: Fairchild SAMPLERS: MTP, MV
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. Germain WEATHER: 43°F, Sunny

WELL IDENTIFICATION NUMBER: MW-46 F PERMIT: —
WELL HEADSPACE READING: 0-0 PID MODEL/LAMP: Mini Rca 300
DEPTH TO WATER (Before Purging): 20.19 FEET FROM TOP OF CASING
WELL DEPTH: 149 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 138.81 FEET
WATER IN ONE WELL VOLUME: 84.08 GALLONS
PURGE TIME (start/finish): 0955 / 1045 PURGE RATE: 300 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1045 SAMPLE RATE: 300 mL/min
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE: —

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1000	1010	1020	1030	1035	1040	1045			
pH (SU)	5.76	5.27	5.25	5.24	5.26	5.25	5.25			
specific conductivity (mS)	0.185	0.193	0.193	0.193	0.198	0.193	0.192			
turbidity (NTU's)	0.0	1.1	6.9	8.0	8.4	10.0	9.8			
dissolved oxygen (mg/l)	3.41	0.78	0.64	0.55	0.52	0.50	0.48			
temperature (degrees C)	15.49	15.62	15.67	15.70	15.72	15.72	15.84			
redox potential (mv)	153	238	257	262	267	269	272			
depth to water (feet)	20.19	20.20	20.22	20.22	20.22	20.22	20.20			
volume purged (gal or L)				2.5 gal						

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCs 8260B
LABORATORY: sample ID: MW-46I-20191121
CONTACT: Pace Analytical
Jennifer Amici

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:



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227
PROJECT NAME: Fairchild
SITE LOCATION: Farmingdale, NY

DATE: 11-21-19
SAMPLERS: MTP, NJ

SITE CONTACT: Dan St. Germain

WEATHER: 47°F, Sunny

WELL IDENTIFICATION NUMBER: MW-50 PERMIT: —

WELL HEADSPACE READING: 3.4 PID MODEL/LAMP: Mini Rap 3000
DEPTH TO WATER (Before Purging): 19.60 FEET FROM TOP OF CASING
WELL DEPTH: 165 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 145.40 FEET
WATER IN ONE WELL VOLUME: 94.91 GALLONS
PURGE TIME (start/finish): 1142 1237 PURGE RATE: 290 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1239 SAMPLE RATE: 290 mL/min
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE: clear

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1147	1157	1207	1217	1227	1232	1237			
pH (SU)	6.9	5.60	5.59	5.60	5.59	5.58	5.59			
specific conductivity (mS)	0.231	0.218	0.217	0.215	0.214	0.214	0.213			
turbidity (NTU's)	0.0	4.5	12.3	13.5	13.8	12.8	12.8			
dissolved oxygen (mg/l)	3.31	0.71	0.59	0.48	0.41	0.39	0.37			
temperature (degrees C)	15.63	15.58	15.57	15.60	15.56	15.49	15.54			
redox potential (mv)	200	243	252	257	258	261	262			
depth to water (feet)	19.6	19.6	19.72	19.72	19.72	19.72	19.74			
volume purged (gal or L)					3.5 gal		5 gal			

SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOCs 8760B
Sample ID: MW-50-20191121
LABORATORY: Pace Analytical
CONTACT: Tennier Acvari

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:



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

GROUNDWATER MONITORING WELL SAMPLE COLLECTION LOGS

PROJECT NUMBER: 10025227 DATE: 11-21-19
PROJECT NAME: Fairchild SAMPLERS: MTP, MV
SITE LOCATION: Farmingdale, NY
SITE CONTACT: Dan St. Germain WEATHER: 51°F, sunny

WELL IDENTIFICATION NUMBER: S-66134 PERMIT: _____
WELL HEADSPACE READING: N/A - open hole in cover PID MODEL/LAMP: _____
DEPTH TO WATER (Before Purging): 19.21 FEET FROM TOP OF CASING
WELL DEPTH: 145 FEET FROM TOP OF CASING
HEIGHT OF WATER IN WELL: 125.79 FEET
WATER IN ONE WELL VOLUME: 184.75 GALLONS
PURGE TIME (start/finish): 1323 / 1433 PURGE RATE: 250 mL/min
WELL EVACUATION DEVICE: Bladder pump
SAMPLING TIME (start/finish): 1435 SAMPLE RATE: 250 mL/min
SAMPLE COLLECTION DEVICE: Bladder pump
SAMPLE APPEARANCE: clear

FIELD PARAMETERS	initial	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th
time (00:00)	1328	1338	1348	1358	1408	1418	1428	1428	1433	
pH (SU)	6.22	6.44	7.04	7.13	7.18	7.21	7.20	7.21	7.21	
specific conductivity (mS)	0.069	0.434	0.503	0.560	0.588	0.603	0.609	0.615	0.619	
turbidity (NTU's)	9.3	4.2	4.8	5.8	3.8	4.7	4.6	4.7	4.1	
dissolved oxygen (mg/l)	2.36	0.58	0.49	0.54	0.30	0.29	0.28	0.25	0.25	
temperature (degrees C)	15.73	15.39	15.36	15.14	15.10	15.06	14.96	14.92	14.74	
redox potential (mv)	-4	-51	-114	-139	-150	-156	-157	-159	-158	
depth to water (feet)	19.68	19.69	19.67	19.68	19.70	19.70	19.70	19.70	19.70	
volume purged (gal or L)									5 gal	

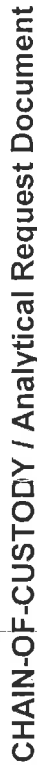
SAMPLE ANALYSIS INFORMATION

ANALYSIS REQUIRED: VOG 82608
Sample ID: S-66134-20191121
LABORATORY: Pace Analytical
CONTACT: Jennifer Acari

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:

[illegible]



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

[illegible]

TEMP:	
Receptor	
Seal (Y/N)	
Customer (Y/N)	
Coolant (Y/N)	
Sample (Y/N)	

DATE Signed:	11/21/2019
SIGNATURE of SAMPLER:	

December 02, 2019

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

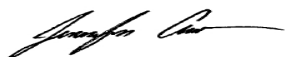
RE: Project: FAIRCHILD ANNUAL 11/19
Pace Project No.: 70112455

Dear Daniel Germaine:

Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 2019. 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,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Jason Fellows, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Pace Analytical Services Long Island

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Sample: MW-42D-20191119		Lab ID: 70112455001	Collected: 11/19/19 13:25	Received: 11/19/19 16:50	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		11/23/19 17:28	75-71-8	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 17:28	74-87-3	
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 17:28	75-01-4	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 17:28	75-00-3	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 17:28	74-83-9	CL
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 17:28	75-09-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:28	75-35-4	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:28	156-60-5	
1,1-Dichloroethane	2.8	ug/L	1.0	1		11/23/19 17:28	75-34-3	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:28	594-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:28	156-59-2	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 17:28	67-66-3	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 17:28	74-97-5	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:28	71-55-6	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 17:28	56-23-5	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:28	563-58-6	
Benzene	<1.0	ug/L	1.0	1		11/23/19 17:28	71-43-2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:28	107-06-2	
Trichloroethene	14.2	ug/L	1.0	1		11/23/19 17:28	79-01-6	D6
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:28	78-87-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 17:28	75-27-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 17:28	74-95-3	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:28	10061-02-6	
Toluene	<1.0	ug/L	1.0	1		11/23/19 17:28	108-88-3	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:28	10061-01-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:28	79-00-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/19 17:28	127-18-4	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:28	142-28-9	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 17:28	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 17:28	106-93-4	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	108-90-7	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 17:28	630-20-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	100-41-4	
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 17:28	1330-20-7	
Styrene	<1.0	ug/L	1.0	1		11/23/19 17:28	100-42-5	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 17:28	75-25-2	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 17:28	98-82-8	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 17:28	79-34-5	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	108-86-1	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:28	96-18-4	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	103-65-1	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 17:28	95-49-8	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	108-67-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 17:28	106-43-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	95-63-6	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	98-06-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Sample: MW-42D-20191119		Lab ID: 70112455001	Collected: 11/19/19 13:25	Received: 11/19/19 16:50	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		11/23/19 17:28	99-87-6	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	541-73-1	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	104-51-8	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 17:28	87-68-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	87-61-6	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 17:28	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 17:28	591-78-6	
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 17:28	75-15-0	
Acetone	<5.0	ug/L	5.0	1		11/23/19 17:28	67-64-1	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 17:28	108-10-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 17:28	110-57-6	
Ethanol	<250	ug/L	250	1		11/23/19 17:28	64-17-5	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 17:28	75-45-6	N3
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	105-05-5	N3
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:28	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		11/23/19 17:28	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		11/23/19 17:28	460-00-4	
Toluene-d8 (S)	94	%	69-124	1		11/23/19 17:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Sample: MW-2421-20191119		Lab ID: 70112455002	Collected: 11/19/19 13:55	Received: 11/19/19 16:50	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		11/23/19 17:47	75-71-8	M1
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 17:47	74-87-3	
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 17:47	75-01-4	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 17:47	75-00-3	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 17:47	74-83-9	CL
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 17:47	75-09-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:47	75-35-4	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:47	156-60-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:47	75-34-3	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:47	594-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:47	156-59-2	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 17:47	67-66-3	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 17:47	74-97-5	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:47	71-55-6	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 17:47	56-23-5	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:47	563-58-6	
Benzene	<1.0	ug/L	1.0	1		11/23/19 17:47	71-43-2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:47	107-06-2	
Trichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:47	79-01-6	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:47	78-87-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 17:47	75-27-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 17:47	74-95-3	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:47	10061-02-6	
Toluene	<1.0	ug/L	1.0	1		11/23/19 17:47	108-88-3	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:47	10061-01-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:47	79-00-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/19 17:47	127-18-4	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:47	142-28-9	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 17:47	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 17:47	106-93-4	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	108-90-7	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 17:47	630-20-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	100-41-4	
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 17:47	1330-20-7	
Styrene	<1.0	ug/L	1.0	1		11/23/19 17:47	100-42-5	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 17:47	75-25-2	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 17:47	98-82-8	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 17:47	79-34-5	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	108-86-1	M1
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:47	96-18-4	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	103-65-1	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 17:47	95-49-8	M1
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	108-67-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 17:47	106-43-4	M1
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	95-63-6	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	135-98-8	M1
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	98-06-6	M1

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Sample: MW-242I-20191119		Lab ID: 70112455002		Collected: 11/19/19 13:55		Received: 11/19/19 16:50		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		11/23/19 17:47	99-87-6	M1	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	541-73-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	104-51-8	M1	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 17:47	87-68-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	87-61-6		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 17:47	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 17:47	591-78-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 17:47	75-15-0		
Acetone	<5.0	ug/L	5.0	1		11/23/19 17:47	67-64-1		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 17:47	108-10-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 17:47	110-57-6	M1	
Ethanol	<250	ug/L	250	1		11/23/19 17:47	64-17-5		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 17:47	75-45-6	N3	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	105-05-5	N3	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:47	95-93-2	N3	
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	68-153	1		11/23/19 17:47	17060-07-0		
4-Bromofluorobenzene (S)	100	%	79-124	1		11/23/19 17:47	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		11/23/19 17:47	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Sample: S-66133-20191119		Lab ID: 70112455003	Collected: 11/19/19 15:32	Received: 11/19/19 16:50	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		11/23/19 18:06	75-71-8	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 18:06	74-87-3	
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 18:06	75-01-4	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 18:06	75-00-3	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 18:06	74-83-9	CL
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 18:06	75-09-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 18:06	75-35-4	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 18:06	156-60-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:06	75-34-3	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:06	594-20-7	
cis-1,2-Dichloroethene	5.5	ug/L	1.0	1		11/23/19 18:06	156-59-2	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 18:06	67-66-3	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 18:06	74-97-5	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:06	71-55-6	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 18:06	56-23-5	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:06	563-58-6	
Benzene	<1.0	ug/L	1.0	1		11/23/19 18:06	71-43-2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:06	107-06-2	
Trichloroethene	8.4	ug/L	1.0	1		11/23/19 18:06	79-01-6	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:06	78-87-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 18:06	75-27-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 18:06	74-95-3	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:06	10061-02-6	
Toluene	<1.0	ug/L	1.0	1		11/23/19 18:06	108-88-3	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:06	10061-01-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:06	79-00-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/19 18:06	127-18-4	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:06	142-28-9	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 18:06	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 18:06	106-93-4	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	108-90-7	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 18:06	630-20-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	100-41-4	
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 18:06	1330-20-7	
Styrene	<1.0	ug/L	1.0	1		11/23/19 18:06	100-42-5	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 18:06	75-25-2	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 18:06	98-82-8	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 18:06	79-34-5	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	108-86-1	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:06	96-18-4	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	103-65-1	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 18:06	95-49-8	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	108-67-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 18:06	106-43-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	95-63-6	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	98-06-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Sample: S-66133-20191119		Lab ID: 70112455003	Collected: 11/19/19 15:32	Received: 11/19/19 16:50	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		11/23/19 18:06	99-87-6	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	541-73-1	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	104-51-8	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 18:06	87-68-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	87-61-6	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 18:06	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 18:06	591-78-6	
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 18:06	75-15-0	
Acetone	<5.0	ug/L	5.0	1		11/23/19 18:06	67-64-1	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 18:06	108-10-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 18:06	110-57-6	
Ethanol	<250	ug/L	250	1		11/23/19 18:06	64-17-5	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 18:06	75-45-6	N3
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	105-05-5	N3
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:06	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		11/23/19 18:06	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		11/23/19 18:06	460-00-4	
Toluene-d8 (S)	93	%	69-124	1		11/23/19 18:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Sample: TB-20191119		Lab ID: 70112455004		Collected: 11/19/19 00:00		Received: 11/19/19 16:50		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		11/23/19 17:09	75-71-8	CL	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 17:09	74-87-3		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 17:09	75-01-4		
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 17:09	75-00-3		
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 17:09	74-83-9		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 17:09	75-09-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:09	75-35-4		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:09	156-60-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:09	75-34-3		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:09	594-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:09	156-59-2		
Chloroform	<1.0	ug/L	1.0	1		11/23/19 17:09	67-66-3		
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 17:09	74-97-5		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:09	71-55-6		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 17:09	56-23-5		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:09	563-58-6		
Benzene	<1.0	ug/L	1.0	1		11/23/19 17:09	71-43-2		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:09	107-06-2		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/19 17:09	79-01-6		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:09	78-87-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 17:09	75-27-4		
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 17:09	74-95-3		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:09	10061-02-6		
Toluene	<1.0	ug/L	1.0	1		11/23/19 17:09	108-88-3		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 17:09	10061-01-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 17:09	79-00-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/19 17:09	127-18-4		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:09	142-28-9		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 17:09	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 17:09	106-93-4		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	108-90-7		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 17:09	630-20-6		
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	100-41-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 17:09	1330-20-7		
Styrene	<1.0	ug/L	1.0	1		11/23/19 17:09	100-42-5		
Bromoform	<1.0	ug/L	1.0	1		11/23/19 17:09	75-25-2		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 17:09	98-82-8		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 17:09	79-34-5		
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	108-86-1		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 17:09	96-18-4		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	103-65-1		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 17:09	95-49-8		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	108-67-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 17:09	106-43-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	95-63-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	98-06-6		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Sample: TB-20191119		Lab ID: 70112455004		Collected: 11/19/19 00:00		Received: 11/19/19 16:50		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		11/23/19 17:09	99-87-6		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	541-73-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	104-51-8		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 17:09	87-68-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	87-61-6		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 17:09	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 17:09	591-78-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 17:09	75-15-0		
Acetone	<5.0	ug/L	5.0	1		11/23/19 17:09	67-64-1		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 17:09	108-10-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 17:09	110-57-6		
Ethanol	<250	ug/L	250	1		11/23/19 17:09	64-17-5		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 17:09	75-45-6	N3	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	105-05-5	N3	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 17:09	95-93-2	N3	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	68-153	1		11/23/19 17:09	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-124	1		11/23/19 17:09	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		11/23/19 17:09	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

QC Batch: 139844 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 70112455001, 70112455002, 70112455003, 70112455004

METHOD BLANK: 670271 Matrix: Water
Associated Lab Samples: 70112455001, 70112455002, 70112455003, 70112455004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,3-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,4-Diethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/23/19 15:16	
2-Chlorotoluene	ug/L	<1.0	1.0	11/23/19 15:16	
2-Hexanone	ug/L	<5.0	5.0	11/23/19 15:16	
4-Chlorotoluene	ug/L	<1.0	1.0	11/23/19 15:16	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/23/19 15:16	
Acetone	ug/L	<5.0	5.0	11/23/19 15:16	
Benzene	ug/L	<1.0	1.0	11/23/19 15:16	
Bromobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Bromochloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Bromodichloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Bromoform	ug/L	<1.0	1.0	11/23/19 15:16	
Bromomethane	ug/L	<1.0	1.0	11/23/19 15:16	CL
Carbon disulfide	ug/L	<1.0	1.0	11/23/19 15:16	
Carbon tetrachloride	ug/L	<1.0	1.0	11/23/19 15:16	
Chlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Chlorodifluoromethane	ug/L	<1.0	1.0	11/23/19 15:16	N3
Chloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
Chloroform	ug/L	<1.0	1.0	11/23/19 15:16	
Chloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
Dibromochloromethane	ug/L	<1.0	1.0	11/23/19 15:16	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

METHOD BLANK: 670271

Matrix: Water

Associated Lab Samples: 70112455001, 70112455002, 70112455003, 70112455004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	11/23/19 15:16	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Ethanol	ug/L	<250	250	11/23/19 15:16	
Ethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	11/23/19 15:16	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	11/23/19 15:16	
Methylene Chloride	ug/L	<1.0	1.0	11/23/19 15:16	
n-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
n-Propylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
p-Isopropyltoluene	ug/L	<1.0	1.0	11/23/19 15:16	
sec-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Styrene	ug/L	<1.0	1.0	11/23/19 15:16	
tert-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Tetrachloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
Toluene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	11/23/19 15:16	
Trichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
Vinyl chloride	ug/L	<1.0	1.0	11/23/19 15:16	
Xylene (Total)	ug/L	<3.0	3.0	11/23/19 15:16	
1,2-Dichloroethane-d4 (S)	%	98	68-153	11/23/19 15:16	
4-Bromofluorobenzene (S)	%	101	79-124	11/23/19 15:16	
Toluene-d8 (S)	%	94	69-124	11/23/19 15:16	

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	40.0	80	74-113	
1,1,1-Trichloroethane	ug/L	50	45.0	90	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	74-121	
1,1,2-Trichloroethane	ug/L	50	48.5	97	80-117	
1,1-Dichloroethane	ug/L	50	44.4	89	83-151	
1,1-Dichloroethene	ug/L	50	38.4	77	45-146	
1,1-Dichloropropene	ug/L	50	46.6	93	59-127	
1,2,3-Trichlorobenzene	ug/L	50	38.8	78	67-103	
1,2,3-Trichloropropane	ug/L	50	46.1	92	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	44.6	89	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	46.1	92	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	46.0	92	83-115	
1,2-Dichloroethane	ug/L	50	47.9	96	74-129	
1,2-Dichloropropane	ug/L	50	48.3	97	75-117	
1,3,5-Trimethylbenzene	ug/L	50	46.3	93	67-116	
1,3-Dichlorobenzene	ug/L	50	45.0	90	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	42.7	85	74-112	
1,4-Diethylbenzene	ug/L	50	46.2	92	56-130	N3
2,2-Dichloropropane	ug/L	50	45.3	91	63-133	
2-Butanone (MEK)	ug/L	50	58.4	117	44-162	
2-Chlorotoluene	ug/L	50	48.3	97	74-101	
2-Hexanone	ug/L	50	63.9	128	32-183	CH
4-Chlorotoluene	ug/L	50	48.5	97	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.4	103	69-132	
Acetone	ug/L	50	90.2	180	23-188	CH
Benzene	ug/L	50	46.8	94	73-119	
Bromobenzene	ug/L	50	45.0	90	72-102	
Bromochloromethane	ug/L	50	42.5	85	81-116	
Bromodichloromethane	ug/L	50	48.3	97	78-117	
Bromoform	ug/L	50	37.0	74	65-122	
Bromomethane	ug/L	50	32.2	64	52-147	CL
Carbon disulfide	ug/L	50	37.3	75	41-144	
Carbon tetrachloride	ug/L	50	41.5	83	59-120	
Chlorobenzene	ug/L	50	41.9	84	75-113	
Chlorodifluoromethane	ug/L	50	57.7	115	43-140	CH,N3
Chloroethane	ug/L	50	39.5	79	49-151	
Chloroform	ug/L	50	44.3	89	72-122	
Chloromethane	ug/L	50	42.5	85	46-144	
cis-1,2-Dichloroethene	ug/L	50	42.7	85	72-121	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	78-116	
Dibromochloromethane	ug/L	50	38.4	77	70-120	
Dibromomethane	ug/L	50	47.1	94	75-125	
Dichlorodifluoromethane	ug/L	50	73.7	147	22-154	CH
Ethanol	ug/L	1250	1330	107	10-151	
Ethylbenzene	ug/L	50	43.1	86	70-113	
Hexachloro-1,3-butadiene	ug/L	50	44.4	89	59-121	
Isopropylbenzene (Cumene)	ug/L	50	46.1	92	67-115	
Methylene Chloride	ug/L	50	42.6	85	61-142	
n-Butylbenzene	ug/L	50	50.8	102	73-107	
n-Propylbenzene	ug/L	50	48.4	97	68-116	
p-Isopropyltoluene	ug/L	50	46.3	93	73-101	
sec-Butylbenzene	ug/L	50	48.2	96	72-103	
Styrene	ug/L	50	45.5	91	72-118	
tert-Butylbenzene	ug/L	50	45.7	91	68-100	
Tetrachloroethene	ug/L	50	37.6	75	60-128	
Toluene	ug/L	50	48.6	97	72-119	
trans-1,2-Dichloroethene	ug/L	50	40.5	81	56-142	
trans-1,3-Dichloropropene	ug/L	50	49.8	100	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	43.4	87	71-121	
Trichloroethene	ug/L	50	45.2	90	69-117	
Vinyl chloride	ug/L	50	42.5	85	43-143	
Xylene (Total)	ug/L	150	130	87	71-109	
1,2-Dichloroethane-d4 (S)	%			106	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			104	79-124	
Toluene-d8 (S)	%			92	69-124	

MATRIX SPIKE SAMPLE: 670309

Parameter	Units	70112455002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	45.1	90	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	52.4	105	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	54.7	109	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	56.4	113	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	52.0	104	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	46.4	93	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	55.1	110	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	44.1	88	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	52.0	104	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	49.1	98	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	53.5	107	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	51.5	103	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	55.6	111	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	56.8	114	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	55.0	110	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	51.9	104	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	49.0	98	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	51.7	103	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	46.2	92	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	54.1	108	44-162	
2-Chlorotoluene	ug/L	<1.0	50	57.6	115	74-101	M1
2-Hexanone	ug/L	<5.0	50	55.2	110	32-183	CH
4-Chlorotoluene	ug/L	<1.0	50	57.2	114	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	59.8	120	69-132	
Acetone	ug/L	<5.0	50	58.1	116	23-188	CH
Benzene	ug/L	<1.0	50	54.9	110	73-119	
Bromobenzene	ug/L	<1.0	50	52.2	104	72-102	M1
Bromochloromethane	ug/L	<1.0	50	46.6	93	81-116	
Bromodichloromethane	ug/L	<1.0	50	53.1	106	78-117	
Bromoform	ug/L	<1.0	50	37.7	75	65-122	
Bromomethane	ug/L	<1.0	50	25.8	52	52-147	CL
Carbon disulfide	ug/L	<1.0	50	43.9	88	41-144	
Carbon tetrachloride	ug/L	<1.0	50	48.0	96	59-120	
Chlorobenzene	ug/L	<1.0	50	48.9	98	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	63.5	127	43-140	CH,N3
Chloroethane	ug/L	<1.0	50	45.9	92	49-151	
Chloroform	ug/L	<1.0	50	52.1	104	72-122	
Chloromethane	ug/L	<1.0	50	47.5	95	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50.4	101	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

MATRIX SPIKE SAMPLE: 670309		70112455002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.9	106	78-116	
Dibromochloromethane	ug/L	<1.0	50	42.1	84	70-120	
Dibromomethane	ug/L	<1.0	50	53.1	106	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	82.0	164	22-154	CH,M1
Ethanol	ug/L	<250	1250	1710	137	10-151	
Ethylbenzene	ug/L	<1.0	50	50.5	101	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	41.1	82	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	55.5	111	67-115	
Methylene Chloride	ug/L	<1.0	50	46.0	92	61-142	
n-Butylbenzene	ug/L	<1.0	50	56.5	113	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	58.1	116	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	54.0	108	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	56.3	113	72-103	M1
Styrene	ug/L	<1.0	50	52.8	106	72-118	
tert-Butylbenzene	ug/L	<1.0	50	54.2	108	68-100	M1
Tetrachloroethene	ug/L	<1.0	50	45.2	90	60-128	
Toluene	ug/L	<1.0	50	56.5	113	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	47.0	94	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	52.9	106	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	18.5	37	71-121	M1
Trichloroethene	ug/L	<1.0	50	53.5	107	69-117	
Vinyl chloride	ug/L	<1.0	50	49.2	98	43-143	
Xylene (Total)	ug/L	<3.0	150	154	103	71-109	
1,2-Dichloroethane-d4 (S)	%				112	68-153	
4-Bromofluorobenzene (S)	%				104	79-124	
Toluene-d8 (S)	%				92	69-124	

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001	Dup	RPD	Qualifiers
		Result	Result		
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	2.8	2.6	7	
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		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001 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		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		
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	14.2	8.6	49	D6
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	99	106		
4-Bromofluorobenzene (S)	%	98	102		
Toluene-d8 (S)	%	94	91		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRCHILD ANNUAL 11/19

Pace Project No.: 70112455

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70112455001	MW-42D-20191119	EPA 8260C/5030C	139844		
70112455002	MW-242I-20191119	EPA 8260C/5030C	139844		
70112455003	S-66133-20191119	EPA 8260C/5030C	139844		
70112455004	TB-20191119	EPA 8260C/5030C	139844		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

WO#: 70112455



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section C

Page: 1 Of 1

Project Information:

Company: Fairchild Corporation	Report To: Daniel Germaine	Attention: Dan St. Germain
Address: 1 International Blvd. 10th Fl Suite 1000	Copy To:	Company Name: HDR
Manhwa, NJ 07495	Purchase Order #:	Address: 1 Intl Blvd Suite 1000 Mahwah NJ 07495
Email: daniel.stgermaine@hdrinc.com	Project Name: Fairchild Annual	Pace Quote: 07495
Phone: (201) 981-3041 Fax: 201 985 9301	Project #: 10025227	Pace Project Manager: jennifer.aracr@pacelabs.com
Requested Due Date: 5/1/2013		Pace Profile #: 5841

Invoice Information:

Regulatory Agency:	
State / Location:	NY

ITEM #	MATRIX	CODE	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		DATE	TIME	DATE	TIME	# OF CONTAINERS	Preservatives								Analyses Test	Y/N	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
						START	END						Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			VOC by 8260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
							Received on	Temp in C
		11/19/14	1640		11/19/14	16:40	Y	1.7

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: Matthew T. Pappe	DATE Signed: 11/19/14
SIGNATURE of SAMPLER:	



Sample Condition Upon Receipt

Client Name:

Fairchild Corp

Pro

WO#: 70112455

PM: JSA Due Date: 12/02/19

CLIENT: FAIR

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ NoTemperature Blank Present: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ OtherType of Ice: Wet Blue None

Thermometer Used: TH091

Correction Factor: +0.2☐ Samples on ice, cooling process has begunCooler Temperature (°C): 1.5Cooler Temperature Corrected (°C): 1.7

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: IT 11/19/19Did 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 ☒ NODid samples originate 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 <u>WT</u> OIL				
All containers needing preservation have been checked	☒ Yes	☐ No	☒ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO 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
KI starch test strips Lot #				
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:

December 03, 2019

Jason Fellows
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

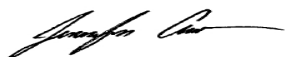
RE: Project: FAIRCHILD ANNUAL 11/20
Pace Project No.: 70112630

Dear Jason Fellows:

Enclosed are the analytical results for sample(s) received by the laboratory on November 20, 2019. 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,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Pace Analytical Services Long Island

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: MW-43I-20191120		Lab ID: 70112630001	Collected: 11/20/19 10:10	Received: 11/20/19 16:00	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		11/23/19 21:01	67-64-1	
Benzene	<1.0	ug/L	1.0	1		11/23/19 21:01	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 21:01	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 21:01	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 21:01	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 21:01	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 21:01	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 21:01	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 21:01	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 21:01	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 21:01	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 21:01	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 21:01	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 21:01	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 21:01	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 21:01	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 21:01	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 21:01	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 21:01	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 21:01	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:01	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:01	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 21:01	75-35-4	
cis-1,2-Dichloroethene	6.0	ug/L	1.0	1		11/23/19 21:01	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 21:01	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:01	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:01	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:01	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:01	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:01	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:01	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	105-05-5	N3
Ethanol	<250	ug/L	250	1		11/23/19 21:01	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 21:01	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 21:01	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 21:01	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/23/19 21:01	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 21:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 21:01	108-10-1	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	103-65-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: MW-43I-20191120		Lab ID: 70112630001		Collected: 11/20/19 10:10		Received: 11/20/19 16:00		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		11/23/19 21:01	100-42-5	N3	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 21:01	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 21:01	79-34-5		
Tetrachloroethene	3.5	ug/L	1.0	1		11/23/19 21:01	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	95-93-2		
Toluene	<1.0	ug/L	1.0	1		11/23/19 21:01	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:01	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:01	79-00-5		
Trichloroethene	56.0	ug/L	1.0	1		11/23/19 21:01	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:01	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:01	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 21:01	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 21:01	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	68-153	1		11/23/19 21:01	17060-07-0		
4-Bromofluorobenzene (S)	99	%	79-124	1		11/23/19 21:01	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		11/23/19 21:01	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: BD01-20191120		Lab ID: 70112630002		Collected: 11/20/19 10:15		Received: 11/20/19 16:00		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		11/23/19 21:20	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/23/19 21:20	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 21:20	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 21:20	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/19 21:20	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 21:20	74-83-9	CL	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 21:20	78-93-3		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 21:20	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 21:20	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 21:20	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 21:20	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/23/19 21:20	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 21:20	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 21:20	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 21:20	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 21:20	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 21:20	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 21:20	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 21:20	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 21:20	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:20	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:20	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 21:20	75-35-4		
cis-1,2-Dichloroethene	6.0	ug/L	1.0	1		11/23/19 21:20	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 21:20	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:20	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:20	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:20	594-20-7		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:20	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:20	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:20	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	105-05-5	N3	
Ethanol	<250	ug/L	250	1		11/23/19 21:20	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 21:20	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 21:20	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 21:20	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/23/19 21:20	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 21:20	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 21:20	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	103-65-1		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: BD01-20191120		Lab ID: 70112630002		Collected: 11/20/19 10:15		Received: 11/20/19 16:00		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		11/23/19 21:20	100-42-5	N3	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 21:20	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 21:20	79-34-5		
Tetrachloroethene	3.6	ug/L	1.0	1		11/23/19 21:20	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	95-93-2		
Toluene	<1.0	ug/L	1.0	1		11/23/19 21:20	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:20	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:20	79-00-5		
Trichloroethene	55.7	ug/L	1.0	1		11/23/19 21:20	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:20	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:20	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 21:20	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 21:20	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		11/23/19 21:20	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-124	1		11/23/19 21:20	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		11/23/19 21:20	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: MW-37I-20191120		Lab ID: 70112630003	Collected: 11/20/19 12:25	Received: 11/20/19 16:00	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		11/23/19 21:40	67-64-1	
Benzene	<1.0	ug/L	1.0	1		11/23/19 21:40	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 21:40	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 21:40	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 21:40	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 21:40	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 21:40	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 21:40	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 21:40	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 21:40	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 21:40	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 21:40	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 21:40	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 21:40	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 21:40	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 21:40	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 21:40	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 21:40	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 21:40	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 21:40	75-71-8	
1,1-Dichloroethane	14.5	ug/L	1.0	1		11/23/19 21:40	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:40	107-06-2	
1,1-Dichloroethene	9.3	ug/L	1.0	1		11/23/19 21:40	75-35-4	
cis-1,2-Dichloroethene	122	ug/L	1.0	1		11/23/19 21:40	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 21:40	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:40	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:40	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:40	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:40	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:40	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 21:40	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	105-05-5	N3
Ethanol	<250	ug/L	250	1		11/23/19 21:40	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 21:40	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 21:40	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 21:40	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/23/19 21:40	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 21:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 21:40	108-10-1	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	103-65-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: MW-37I-20191120		Lab ID: 70112630003		Collected: 11/20/19 12:25		Received: 11/20/19 16:00		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		11/23/19 21:40	100-42-5	N3	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 21:40	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 21:40	79-34-5		
Tetrachloroethene	32.3	ug/L	1.0	1		11/23/19 21:40	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	95-93-2		
Toluene	<1.0	ug/L	1.0	1		11/23/19 21:40	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	87-61-6		
1,1,1-Trichloroethane	4.1	ug/L	1.0	1		11/23/19 21:40	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 21:40	79-00-5		
Trichloroethene	87.0	ug/L	1.0	1		11/23/19 21:40	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 21:40	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 21:40	108-67-8		
Vinyl chloride	3.4	ug/L	1.0	1		11/23/19 21:40	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 21:40	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	109	%	68-153	1		11/23/19 21:40	17060-07-0		
4-Bromofluorobenzene (S)	100	%	79-124	1		11/23/19 21:40	460-00-4		
Toluene-d8 (S)	91	%	69-124	1		11/23/19 21:40	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: TB-20191120		Lab ID: 70112630004		Collected: 11/20/19 00:00		Received: 11/20/19 16:00		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		11/23/19 16:50	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/23/19 16:50	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 16:50	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 16:50	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/19 16:50	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 16:50	74-83-9	CL	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 16:50	78-93-3		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 16:50	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 16:50	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 16:50	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 16:50	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/23/19 16:50	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 16:50	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 16:50	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 16:50	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 16:50	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 16:50	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 16:50	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 16:50	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 16:50	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 16:50	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 16:50	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 16:50	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 16:50	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 16:50	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 16:50	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 16:50	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 16:50	594-20-7		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 16:50	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 16:50	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 16:50	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	105-05-5	N3	
Ethanol	<250	ug/L	250	1		11/23/19 16:50	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 16:50	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 16:50	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 16:50	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/23/19 16:50	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 16:50	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 16:50	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	103-65-1		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: TB-20191120		Lab ID: 70112630004		Collected: 11/20/19 00:00		Received: 11/20/19 16:00		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		11/23/19 16:50	100-42-5	N3	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 16:50	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 16:50	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/19 16:50	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	95-93-2		
Toluene	<1.0	ug/L	1.0	1		11/23/19 16:50	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 16:50	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 16:50	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/23/19 16:50	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 16:50	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:50	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 16:50	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 16:50	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	68-153	1		11/23/19 16:50	17060-07-0		
4-Bromofluorobenzene (S)	99	%	79-124	1		11/23/19 16:50	460-00-4		
Toluene-d8 (S)	93	%	69-124	1		11/23/19 16:50	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: MW-49I-20191120		Lab ID: 70112630005		Collected: 11/20/19 15:00		Received: 11/20/19 16:00		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		11/23/19 22:00	67-64-1		
Benzene	<1.0	ug/L	1.0	1		11/23/19 22:00	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 22:00	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 22:00	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/23/19 22:00	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 22:00	74-83-9	CL	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 22:00	78-93-3		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 22:00	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 22:00	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 22:00	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 22:00	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/23/19 22:00	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 22:00	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 22:00	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 22:00	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 22:00	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 22:00	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 22:00	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 22:00	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 22:00	75-71-8		
1,1-Dichloroethane	4.7	ug/L	1.0	1		11/23/19 22:00	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 22:00	107-06-2		
1,1-Dichloroethene	1.6	ug/L	1.0	1		11/23/19 22:00	75-35-4		
cis-1,2-Dichloroethene	170	ug/L	1.0	1		11/23/19 22:00	156-59-2		
trans-1,2-Dichloroethene	7.3	ug/L	1.0	1		11/23/19 22:00	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 22:00	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 22:00	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 22:00	594-20-7		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 22:00	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 22:00	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 22:00	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	105-05-5	N3	
Ethanol	<250	ug/L	250	1		11/23/19 22:00	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 22:00	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 22:00	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 22:00	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/23/19 22:00	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 22:00	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 22:00	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	103-65-1		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: MW-49I-20191120		Lab ID: 70112630005		Collected: 11/20/19 15:00		Received: 11/20/19 16:00		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		11/23/19 22:00	100-42-5	N3	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 22:00	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 22:00	79-34-5		
Tetrachloroethene	12.2	ug/L	1.0	1		11/23/19 22:00	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	95-93-2		
Toluene	<1.0	ug/L	1.0	1		11/23/19 22:00	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 22:00	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 22:00	79-00-5		
Trichloroethene	30.6	ug/L	1.0	1		11/23/19 22:00	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 22:00	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:00	108-67-8		
Vinyl chloride	14.3	ug/L	1.0	1		11/23/19 22:00	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 22:00	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	108	%	68-153	1		11/23/19 22:00	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-124	1		11/23/19 22:00	460-00-4		
Toluene-d8 (S)	91	%	69-124	1		11/23/19 22:00	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: MW-49D-20191120		Lab ID: 70112630006	Collected: 11/20/19 15:15	Received: 11/20/19 16:00	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		11/23/19 22:19	67-64-1	
Benzene	1.1	ug/L	1.0	1		11/23/19 22:19	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 22:19	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 22:19	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 22:19	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 22:19	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 22:19	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 22:19	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 22:19	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	108-90-7	
Chlorodifluoromethane	1.8	ug/L	1.0	1		11/23/19 22:19	75-45-6	CH,N3
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 22:19	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 22:19	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 22:19	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 22:19	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 22:19	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 22:19	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 22:19	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 22:19	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 22:19	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 22:19	75-71-8	
1,1-Dichloroethane	7.0	ug/L	1.0	1		11/23/19 22:19	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 22:19	107-06-2	
1,1-Dichloroethene	2.6	ug/L	1.0	1		11/23/19 22:19	75-35-4	
cis-1,2-Dichloroethene	197	ug/L	1.0	1		11/23/19 22:19	156-59-2	
trans-1,2-Dichloroethene	1.4	ug/L	1.0	1		11/23/19 22:19	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 22:19	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 22:19	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 22:19	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 22:19	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 22:19	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 22:19	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	105-05-5	N3
Ethanol	<250	ug/L	250	1		11/23/19 22:19	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 22:19	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 22:19	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 22:19	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/23/19 22:19	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 22:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 22:19	108-10-1	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	103-65-1	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Sample: MW-49D-20191120		Lab ID: 70112630006		Collected: 11/20/19 15:15		Received: 11/20/19 16:00		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		11/23/19 22:19	100-42-5	N3	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 22:19	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 22:19	79-34-5		
Tetrachloroethene	210	ug/L	5.0	5		11/25/19 18:26	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	95-93-2		
Toluene	<1.0	ug/L	1.0	1		11/23/19 22:19	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 22:19	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 22:19	79-00-5		
Trichloroethene	218	ug/L	5.0	5		11/25/19 18:26	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 22:19	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 22:19	108-67-8		
Vinyl chloride	16.3	ug/L	1.0	1		11/23/19 22:19	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 22:19	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	110	%	68-153	1		11/23/19 22:19	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-124	1		11/23/19 22:19	460-00-4		
Toluene-d8 (S)	91	%	69-124	1		11/23/19 22:19	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

QC Batch: 139844 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 70112630001, 70112630002, 70112630003, 70112630004, 70112630005, 70112630006

METHOD BLANK: 670271 Matrix: Water
Associated Lab Samples: 70112630001, 70112630002, 70112630003, 70112630004, 70112630005, 70112630006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,3-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,4-Diethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/23/19 15:16	
2-Chlorotoluene	ug/L	<1.0	1.0	11/23/19 15:16	
2-Hexanone	ug/L	<5.0	5.0	11/23/19 15:16	
4-Chlorotoluene	ug/L	<1.0	1.0	11/23/19 15:16	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/23/19 15:16	
Acetone	ug/L	<5.0	5.0	11/23/19 15:16	
Benzene	ug/L	<1.0	1.0	11/23/19 15:16	
Bromobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Bromochloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Bromodichloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Bromoform	ug/L	<1.0	1.0	11/23/19 15:16	
Bromomethane	ug/L	<1.0	1.0	11/23/19 15:16	CL
Carbon disulfide	ug/L	<1.0	1.0	11/23/19 15:16	
Carbon tetrachloride	ug/L	<1.0	1.0	11/23/19 15:16	
Chlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Chlorodifluoromethane	ug/L	<1.0	1.0	11/23/19 15:16	N3
Chloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
Chloroform	ug/L	<1.0	1.0	11/23/19 15:16	
Chloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
Dibromochloromethane	ug/L	<1.0	1.0	11/23/19 15:16	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

METHOD BLANK: 670271

Matrix: Water

Associated Lab Samples: 70112630001, 70112630002, 70112630003, 70112630004, 70112630005, 70112630006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	11/23/19 15:16	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Ethanol	ug/L	<250	250	11/23/19 15:16	
Ethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	11/23/19 15:16	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	11/23/19 15:16	
Methylene Chloride	ug/L	<1.0	1.0	11/23/19 15:16	
n-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
n-Propylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
p-Isopropyltoluene	ug/L	<1.0	1.0	11/23/19 15:16	
sec-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Styrene	ug/L	<1.0	1.0	11/23/19 15:16	
tert-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Tetrachloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
Toluene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	11/23/19 15:16	
Trichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
Vinyl chloride	ug/L	<1.0	1.0	11/23/19 15:16	
Xylene (Total)	ug/L	<3.0	3.0	11/23/19 15:16	
1,2-Dichloroethane-d4 (S)	%	98	68-153	11/23/19 15:16	
4-Bromofluorobenzene (S)	%	101	79-124	11/23/19 15:16	
Toluene-d8 (S)	%	94	69-124	11/23/19 15:16	

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	40.0	80	74-113	
1,1,1-Trichloroethane	ug/L	50	45.0	90	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	74-121	
1,1,2-Trichloroethane	ug/L	50	48.5	97	80-117	
1,1-Dichloroethane	ug/L	50	44.4	89	83-151	
1,1-Dichloroethene	ug/L	50	38.4	77	45-146	
1,1-Dichloropropene	ug/L	50	46.6	93	59-127	
1,2,3-Trichlorobenzene	ug/L	50	38.8	78	67-103	
1,2,3-Trichloropropane	ug/L	50	46.1	92	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	44.6	89	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	46.1	92	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	46.0	92	83-115	
1,2-Dichloroethane	ug/L	50	47.9	96	74-129	
1,2-Dichloropropane	ug/L	50	48.3	97	75-117	
1,3,5-Trimethylbenzene	ug/L	50	46.3	93	67-116	
1,3-Dichlorobenzene	ug/L	50	45.0	90	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	42.7	85	74-112	
1,4-Diethylbenzene	ug/L	50	46.2	92	56-130	N3
2,2-Dichloropropane	ug/L	50	45.3	91	63-133	
2-Butanone (MEK)	ug/L	50	58.4	117	44-162	
2-Chlorotoluene	ug/L	50	48.3	97	74-101	
2-Hexanone	ug/L	50	63.9	128	32-183	CH
4-Chlorotoluene	ug/L	50	48.5	97	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.4	103	69-132	
Acetone	ug/L	50	90.2	180	23-188	CH
Benzene	ug/L	50	46.8	94	73-119	
Bromobenzene	ug/L	50	45.0	90	72-102	
Bromochloromethane	ug/L	50	42.5	85	81-116	
Bromodichloromethane	ug/L	50	48.3	97	78-117	
Bromoform	ug/L	50	37.0	74	65-122	
Bromomethane	ug/L	50	32.2	64	52-147	CL
Carbon disulfide	ug/L	50	37.3	75	41-144	
Carbon tetrachloride	ug/L	50	41.5	83	59-120	
Chlorobenzene	ug/L	50	41.9	84	75-113	
Chlorodifluoromethane	ug/L	50	57.7	115	43-140	CH,N3
Chloroethane	ug/L	50	39.5	79	49-151	
Chloroform	ug/L	50	44.3	89	72-122	
Chloromethane	ug/L	50	42.5	85	46-144	
cis-1,2-Dichloroethene	ug/L	50	42.7	85	72-121	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	78-116	
Dibromochloromethane	ug/L	50	38.4	77	70-120	
Dibromomethane	ug/L	50	47.1	94	75-125	
Dichlorodifluoromethane	ug/L	50	73.7	147	22-154	CH
Ethanol	ug/L	1250	1330	107	10-151	
Ethylbenzene	ug/L	50	43.1	86	70-113	
Hexachloro-1,3-butadiene	ug/L	50	44.4	89	59-121	
Isopropylbenzene (Cumene)	ug/L	50	46.1	92	67-115	
Methylene Chloride	ug/L	50	42.6	85	61-142	
n-Butylbenzene	ug/L	50	50.8	102	73-107	
n-Propylbenzene	ug/L	50	48.4	97	68-116	
p-Isopropyltoluene	ug/L	50	46.3	93	73-101	
sec-Butylbenzene	ug/L	50	48.2	96	72-103	
Styrene	ug/L	50	45.5	91	72-118	
tert-Butylbenzene	ug/L	50	45.7	91	68-100	
Tetrachloroethene	ug/L	50	37.6	75	60-128	
Toluene	ug/L	50	48.6	97	72-119	
trans-1,2-Dichloroethene	ug/L	50	40.5	81	56-142	
trans-1,3-Dichloropropene	ug/L	50	49.8	100	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	43.4	87	71-121	
Trichloroethene	ug/L	50	45.2	90	69-117	
Vinyl chloride	ug/L	50	42.5	85	43-143	
Xylene (Total)	ug/L	150	130	87	71-109	
1,2-Dichloroethane-d4 (S)	%			106	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			104	79-124	
Toluene-d8 (S)	%			92	69-124	

MATRIX SPIKE SAMPLE: 670309

Parameter	Units	70112455002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	45.1	90	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	52.4	105	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	54.7	109	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	56.4	113	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	52.0	104	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	46.4	93	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	55.1	110	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	44.1	88	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	52.0	104	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	49.1	98	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	53.5	107	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	51.5	103	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	55.6	111	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	56.8	114	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	55.0	110	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	51.9	104	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	49.0	98	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	51.7	103	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	46.2	92	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	54.1	108	44-162	
2-Chlorotoluene	ug/L	<1.0	50	57.6	115	74-101	M1
2-Hexanone	ug/L	<5.0	50	55.2	110	32-183	CH
4-Chlorotoluene	ug/L	<1.0	50	57.2	114	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	59.8	120	69-132	
Acetone	ug/L	<5.0	50	58.1	116	23-188	CH
Benzene	ug/L	<1.0	50	54.9	110	73-119	
Bromobenzene	ug/L	<1.0	50	52.2	104	72-102	M1
Bromochloromethane	ug/L	<1.0	50	46.6	93	81-116	
Bromodichloromethane	ug/L	<1.0	50	53.1	106	78-117	
Bromoform	ug/L	<1.0	50	37.7	75	65-122	
Bromomethane	ug/L	<1.0	50	25.8	52	52-147	CL
Carbon disulfide	ug/L	<1.0	50	43.9	88	41-144	
Carbon tetrachloride	ug/L	<1.0	50	48.0	96	59-120	
Chlorobenzene	ug/L	<1.0	50	48.9	98	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	63.5	127	43-140	CH,N3
Chloroethane	ug/L	<1.0	50	45.9	92	49-151	
Chloroform	ug/L	<1.0	50	52.1	104	72-122	
Chloromethane	ug/L	<1.0	50	47.5	95	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50.4	101	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

MATRIX SPIKE SAMPLE: 670309		70112455002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.9	106	78-116	
Dibromochloromethane	ug/L	<1.0	50	42.1	84	70-120	
Dibromomethane	ug/L	<1.0	50	53.1	106	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	82.0	164	22-154	CH,M1
Ethanol	ug/L	<250	1250	1710	137	10-151	
Ethylbenzene	ug/L	<1.0	50	50.5	101	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	41.1	82	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	55.5	111	67-115	
Methylene Chloride	ug/L	<1.0	50	46.0	92	61-142	
n-Butylbenzene	ug/L	<1.0	50	56.5	113	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	58.1	116	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	54.0	108	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	56.3	113	72-103	M1
Styrene	ug/L	<1.0	50	52.8	106	72-118	
tert-Butylbenzene	ug/L	<1.0	50	54.2	108	68-100	M1
Tetrachloroethene	ug/L	<1.0	50	45.2	90	60-128	
Toluene	ug/L	<1.0	50	56.5	113	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	47.0	94	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	52.9	106	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	18.5	37	71-121	M1
Trichloroethene	ug/L	<1.0	50	53.5	107	69-117	
Vinyl chloride	ug/L	<1.0	50	49.2	98	43-143	
Xylene (Total)	ug/L	<3.0	150	154	103	71-109	
1,2-Dichloroethane-d4 (S)	%				112	68-153	
4-Bromofluorobenzene (S)	%				104	79-124	
Toluene-d8 (S)	%				92	69-124	

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001	Dup	RPD	Qualifiers
		Result	Result		
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	2.8	2.6	7	
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		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001 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		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		
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	14.2	8.6	49	D6
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	99	106		
4-Bromofluorobenzene (S)	%	98	102		
Toluene-d8 (S)	%	94	91		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRCHILD ANNUAL 11/20

Pace Project No.: 70112630

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70112630001	MW-43I-20191120	EPA 8260C/5030C	139844		
70112630002	BD01-20191120	EPA 8260C/5030C	139844		
70112630003	MW-37I-20191120	EPA 8260C/5030C	139844		
70112630004	TB-20191120	EPA 8260C/5030C	139844		
70112630005	MW-49I-20191120	EPA 8260C/5030C	139844		
70112630006	MW-49D-20191120	EPA 8260C/5030C	139844		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CHAIN-OF-CUSTODY / Analytical Request Document

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

WO# : 70112630



70112630

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company	Fairchild Corporation	Report To	Daniel Stgermain Dan St. Germain	Attention:	Dan St. Germain
Address	1 International Blvd. 10th Fl. Suite 1000	Copy To		Company Name	4D2
	Manhasset, NJ 07495			Address	10011 Blvd 10th Fl. Suite 1000
Email	daniel.stgermain@hdrinc.com	Purchase Order #		Pace Quote	0507195
Phone	(201) 681-3041	Project Name	Fairchild Annual	Pace Project Manager	jennifer.aracri@paceelabs.com
Requested Due Date	5/20/19	Project #	10025527	Pace Profile #	5841
				Regulatory Agency	
				State / Location	NY

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample ids must be unique	MATRIX Drinking Water Waste Water Product Solid/Solid Oil Wipe Air Other Tissue	CODE DW WW P SL OL WP AR OT TS	COLLECTED		DATE	TIME	DATE	TIME	SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Y/N	VOC by 8260	Residual Chlorine (Y/N)	
				START	END									Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other
1	INFLUENT#1	MW-43I-20191120				11-20-2019	1010			G	WT G		2										X		
2	INFLUENT#2	BD01-20191120					1015			G	WT G		2										X		
3	EFFLUENT#1	MW-37I-20191120					1225			G	WT G		2										X		
4		TB-20191120									WT		2										X		
5		MW-49I-20191120					1500			G	WT G		2										X		
6		MW-49D-20191120					1515			G	WT G		2										X		
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	Custody (Y/N)	Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
			11/20/19	1600	Robert A. Celli	11/20/19	16:00			11.8 (W)		N	N	N	Y



Sample Condition Upon Receipt

Client Name:

Fairchild

Pro

WO#: 70112630

PM: JSA Due Date: 12/03/19

CLIENT: FAIR

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: TH091

Correction Factor: +0.2

Cooler Temperature (°C): 11.8

Cooler Temperature Corrected (°C): 12.0

Temperature Blank Present: ☐ Yes ☒ No

Type of Ice: Wet Blue None

☒ Samples on ice, cooling process has begun

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: JSA 11/20/19

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 ☒ NODid samples originate 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 WP OIL				
All containers needing preservation have been checked	☒ Yes	☐ No	☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☐ Yes	☐ No	☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☒ N/A	14.
KI starch test strips Lot #				
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:

December 02, 2019

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

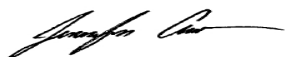
RE: Project: FAIRCHILD ANNUAL 11/21
Pace Project No.: 70112820

Dear Daniel Germaine:

Enclosed are the analytical results for sample(s) received by the laboratory on November 21, 2019. 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,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Jason Fellows, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Pace Analytical Services Long Island

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: MW-41-20191121		Lab ID: 70112820001		Collected: 11/21/19 09:10		Received: 11/21/19 15:30		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		11/23/19 20:42	75-71-8	CL	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 20:42	74-87-3		
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 20:42	75-01-4		
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 20:42	75-00-3		
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 20:42	74-83-9		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 20:42	75-09-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 20:42	75-35-4		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 20:42	156-60-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 20:42	75-34-3		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 20:42	594-20-7		
cis-1,2-Dichloroethene	5.4	ug/L	1.0	1		11/23/19 20:42	156-59-2		
Chloroform	<1.0	ug/L	1.0	1		11/23/19 20:42	67-66-3		
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 20:42	74-97-5		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 20:42	71-55-6		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 20:42	56-23-5		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 20:42	563-58-6		
Benzene	<1.0	ug/L	1.0	1		11/23/19 20:42	71-43-2		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 20:42	107-06-2		
Trichloroethene	2.5	ug/L	1.0	1		11/23/19 20:42	79-01-6		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 20:42	78-87-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 20:42	75-27-4		
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 20:42	74-95-3		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 20:42	10061-02-6		
Toluene	<1.0	ug/L	1.0	1		11/23/19 20:42	108-88-3		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 20:42	10061-01-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 20:42	79-00-5		
Tetrachloroethene	13.4	ug/L	1.0	1		11/23/19 20:42	127-18-4		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 20:42	142-28-9		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 20:42	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 20:42	106-93-4		
Chlorobenzene	2.3	ug/L	1.0	1		11/23/19 20:42	108-90-7		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 20:42	630-20-6		
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	100-41-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 20:42	1330-20-7		
Styrene	<1.0	ug/L	1.0	1		11/23/19 20:42	100-42-5		
Bromoform	<1.0	ug/L	1.0	1		11/23/19 20:42	75-25-2		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 20:42	98-82-8		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 20:42	79-34-5		
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	108-86-1		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 20:42	96-18-4		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	103-65-1		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 20:42	95-49-8		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	108-67-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 20:42	106-43-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	95-63-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	98-06-6		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: MW-41-20191121		Lab ID: 70112820001		Collected: 11/21/19 09:10		Received: 11/21/19 15:30		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		11/23/19 20:42	99-87-6		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	541-73-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	104-51-8		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 20:42	87-68-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	87-61-6		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 20:42	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 20:42	591-78-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 20:42	75-15-0		
Acetone	<5.0	ug/L	5.0	1		11/23/19 20:42	67-64-1		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 20:42	108-10-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 20:42	110-57-6		
Ethanol	<250	ug/L	250	1		11/23/19 20:42	64-17-5		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 20:42	75-45-6	N3	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	105-05-5	N3	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:42	95-93-2	N3	
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	68-153	1		11/23/19 20:42	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-124	1		11/23/19 20:42	460-00-4		
Toluene-d8 (S)	90	%	69-124	1		11/23/19 20:42	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: MW-461-20191121		Lab ID: 70112820002	Collected: 11/21/19 10:45	Received: 11/21/19 15:30	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		11/23/19 20:23	75-71-8	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 20:23	74-87-3	
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 20:23	75-01-4	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 20:23	75-00-3	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 20:23	74-83-9	CL
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 20:23	75-09-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 20:23	75-35-4	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 20:23	156-60-5	
1,1-Dichloroethane	1.0	ug/L	1.0	1		11/23/19 20:23	75-34-3	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 20:23	594-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 20:23	156-59-2	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 20:23	67-66-3	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 20:23	74-97-5	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 20:23	71-55-6	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 20:23	56-23-5	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 20:23	563-58-6	
Benzene	<1.0	ug/L	1.0	1		11/23/19 20:23	71-43-2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 20:23	107-06-2	
Trichloroethene	15.8	ug/L	1.0	1		11/23/19 20:23	79-01-6	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 20:23	78-87-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 20:23	75-27-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 20:23	74-95-3	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 20:23	10061-02-6	
Toluene	<1.0	ug/L	1.0	1		11/23/19 20:23	108-88-3	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 20:23	10061-01-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 20:23	79-00-5	
Tetrachloroethene	2.0	ug/L	1.0	1		11/23/19 20:23	127-18-4	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 20:23	142-28-9	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 20:23	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 20:23	106-93-4	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	108-90-7	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 20:23	630-20-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	100-41-4	
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 20:23	1330-20-7	
Styrene	<1.0	ug/L	1.0	1		11/23/19 20:23	100-42-5	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 20:23	75-25-2	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 20:23	98-82-8	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 20:23	79-34-5	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	108-86-1	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 20:23	96-18-4	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	103-65-1	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 20:23	95-49-8	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	108-67-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 20:23	106-43-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	95-63-6	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	98-06-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: MW-46I-20191121		Lab ID: 70112820002		Collected: 11/21/19 10:45		Received: 11/21/19 15:30		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		11/23/19 20:23	99-87-6		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	541-73-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	104-51-8		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 20:23	87-68-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	87-61-6		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 20:23	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 20:23	591-78-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 20:23	75-15-0		
Acetone	<5.0	ug/L	5.0	1		11/23/19 20:23	67-64-1		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 20:23	108-10-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 20:23	110-57-6		
Ethanol	<250	ug/L	250	1		11/23/19 20:23	64-17-5		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 20:23	75-45-6	N3	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	105-05-5	N3	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 20:23	95-93-2	N3	
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	68-153	1		11/23/19 20:23	17060-07-0		
4-Bromofluorobenzene (S)	100	%	79-124	1		11/23/19 20:23	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		11/23/19 20:23	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: TB-20191121		Lab ID: 70112820003	Collected: 11/21/19 00:00	Received: 11/21/19 15:30	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		11/23/19 16:30	75-71-8	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 16:30	74-87-3	
Vinyl chloride	<1.0	ug/L	1.0	1		11/23/19 16:30	75-01-4	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 16:30	75-00-3	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 16:30	74-83-9	
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 16:30	75-09-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 16:30	75-35-4	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 16:30	156-60-5	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 16:30	75-34-3	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 16:30	594-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 16:30	156-59-2	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 16:30	67-66-3	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 16:30	74-97-5	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 16:30	71-55-6	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 16:30	56-23-5	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 16:30	563-58-6	
Benzene	<1.0	ug/L	1.0	1		11/23/19 16:30	71-43-2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 16:30	107-06-2	
Trichloroethene	<1.0	ug/L	1.0	1		11/23/19 16:30	79-01-6	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 16:30	78-87-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 16:30	75-27-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 16:30	74-95-3	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 16:30	10061-02-6	
Toluene	<1.0	ug/L	1.0	1		11/23/19 16:30	108-88-3	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 16:30	10061-01-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 16:30	79-00-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/19 16:30	127-18-4	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 16:30	142-28-9	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 16:30	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 16:30	106-93-4	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	108-90-7	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 16:30	630-20-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	100-41-4	
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 16:30	1330-20-7	
Styrene	<1.0	ug/L	1.0	1		11/23/19 16:30	100-42-5	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 16:30	75-25-2	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 16:30	98-82-8	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 16:30	79-34-5	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	108-86-1	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 16:30	96-18-4	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	103-65-1	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 16:30	95-49-8	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	108-67-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 16:30	106-43-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	95-63-6	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	98-06-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: TB-20191121		Lab ID: 70112820003	Collected: 11/21/19 00:00	Received: 11/21/19 15:30	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		11/23/19 16:30	99-87-6	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	541-73-1	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	104-51-8	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 16:30	87-68-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	87-61-6	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 16:30	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 16:30	591-78-6	
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 16:30	75-15-0	
Acetone	<5.0	ug/L	5.0	1		11/23/19 16:30	67-64-1	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 16:30	108-10-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 16:30	110-57-6	
Ethanol	<250	ug/L	250	1		11/23/19 16:30	64-17-5	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 16:30	75-45-6	N3
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	105-05-5	N3
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 16:30	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	68-153	1		11/23/19 16:30	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		11/23/19 16:30	460-00-4	
Toluene-d8 (S)	93	%	69-124	1		11/23/19 16:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: MW-50-20191121		Lab ID: 70112820004		Collected: 11/21/19 12:39		Received: 11/21/19 15:30		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		11/23/19 18:43	75-71-8	CL	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 18:43	74-87-3		
Vinyl chloride	27.3	ug/L	1.0	1		11/23/19 18:43	75-01-4		
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 18:43	75-00-3		
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 18:43	74-83-9		
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 18:43	75-09-2		
1,1-Dichloroethene	25.2	ug/L	1.0	1		11/23/19 18:43	75-35-4		
trans-1,2-Dichloroethene	1.2	ug/L	1.0	1		11/23/19 18:43	156-60-5		
1,1-Dichloroethane	28.5	ug/L	1.0	1		11/23/19 18:43	75-34-3		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:43	594-20-7		
cis-1,2-Dichloroethene	328	ug/L	20.0	20		11/23/19 19:07	156-59-2		
Chloroform	3.9	ug/L	1.0	1		11/23/19 18:43	67-66-3		
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 18:43	74-97-5		
1,1,1-Trichloroethane	6.8	ug/L	1.0	1		11/23/19 18:43	71-55-6		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 18:43	56-23-5		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:43	563-58-6		
Benzene	3.5	ug/L	1.0	1		11/23/19 18:43	71-43-2		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:43	107-06-2		
Trichloroethene	716	ug/L	20.0	20		11/23/19 19:07	79-01-6		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:43	78-87-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 18:43	75-27-4		
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 18:43	74-95-3		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:43	10061-02-6		
Toluene	<1.0	ug/L	1.0	1		11/23/19 18:43	108-88-3		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:43	10061-01-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:43	79-00-5		
Tetrachloroethene	81.8	ug/L	1.0	1		11/23/19 18:43	127-18-4		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:43	142-28-9		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 18:43	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 18:43	106-93-4		
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	108-90-7		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 18:43	630-20-6		
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	100-41-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 18:43	1330-20-7		
Styrene	<1.0	ug/L	1.0	1		11/23/19 18:43	100-42-5		
Bromoform	<1.0	ug/L	1.0	1		11/23/19 18:43	75-25-2		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 18:43	98-82-8		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 18:43	79-34-5		
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	108-86-1		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:43	96-18-4		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	103-65-1		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 18:43	95-49-8		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	108-67-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 18:43	106-43-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	95-63-6		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	98-06-6		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: MW-50-20191121		Lab ID: 70112820004		Collected: 11/21/19 12:39		Received: 11/21/19 15:30		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		11/23/19 18:43	99-87-6		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	541-73-1		
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	104-51-8		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 18:43	87-68-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	87-61-6		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 18:43	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 18:43	591-78-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 18:43	75-15-0		
Acetone	<5.0	ug/L	5.0	1		11/23/19 18:43	67-64-1		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 18:43	108-10-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 18:43	110-57-6		
Ethanol	<250	ug/L	250	1		11/23/19 18:43	64-17-5		
Chlorodifluoromethane	3.9	ug/L	1.0	1		11/23/19 18:43	75-45-6	CH,N3	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	105-05-5	N3	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:43	95-93-2	N3	
Surrogates									
1,2-Dichloroethane-d4 (S)	109	%	68-153	1		11/23/19 18:43	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-124	1		11/23/19 18:43	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		11/23/19 18:43	2037-26-5		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: S-66134-20191121		Lab ID: 70112820005	Collected: 11/21/19 14:35	Received: 11/21/19 15:30	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		11/23/19 18:24	75-71-8	
Chloromethane	<1.0	ug/L	1.0	1		11/23/19 18:24	74-87-3	
Vinyl chloride	9.9	ug/L	1.0	1		11/23/19 18:24	75-01-4	
Chloroethane	<1.0	ug/L	1.0	1		11/23/19 18:24	75-00-3	
Bromomethane	<1.0	ug/L	1.0	1		11/23/19 18:24	74-83-9	CL
Methylene Chloride	<1.0	ug/L	1.0	1		11/23/19 18:24	75-09-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 18:24	75-35-4	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 18:24	156-60-5	
1,1-Dichloroethane	4.2	ug/L	1.0	1		11/23/19 18:24	75-34-3	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:24	594-20-7	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/23/19 18:24	156-59-2	
Chloroform	<1.0	ug/L	1.0	1		11/23/19 18:24	67-66-3	
Bromochloromethane	<1.0	ug/L	1.0	1		11/23/19 18:24	74-97-5	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:24	71-55-6	
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/23/19 18:24	56-23-5	
1,1-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:24	563-58-6	
Benzene	<1.0	ug/L	1.0	1		11/23/19 18:24	71-43-2	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:24	107-06-2	
Trichloroethene	<1.0	ug/L	1.0	1		11/23/19 18:24	79-01-6	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:24	78-87-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		11/23/19 18:24	75-27-4	
Dibromomethane	<1.0	ug/L	1.0	1		11/23/19 18:24	74-95-3	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:24	10061-02-6	
Toluene	<1.0	ug/L	1.0	1		11/23/19 18:24	108-88-3	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/23/19 18:24	10061-01-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/23/19 18:24	79-00-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		11/23/19 18:24	127-18-4	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:24	142-28-9	
Dibromochloromethane	<1.0	ug/L	1.0	1		11/23/19 18:24	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/23/19 18:24	106-93-4	
Chlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	108-90-7	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 18:24	630-20-6	
Ethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	100-41-4	
Xylene (Total)	<3.0	ug/L	3.0	1		11/23/19 18:24	1330-20-7	
Styrene	<1.0	ug/L	1.0	1		11/23/19 18:24	100-42-5	
Bromoform	<1.0	ug/L	1.0	1		11/23/19 18:24	75-25-2	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/23/19 18:24	98-82-8	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/23/19 18:24	79-34-5	
Bromobenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	108-86-1	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/23/19 18:24	96-18-4	
n-Propylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	103-65-1	
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 18:24	95-49-8	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	108-67-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/23/19 18:24	106-43-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	95-63-6	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	98-06-6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Sample: S-66134-20191121		Lab ID: 70112820005	Collected: 11/21/19 14:35	Received: 11/21/19 15:30	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		11/23/19 18:24	99-87-6	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	541-73-1	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	104-51-8	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/23/19 18:24	87-68-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	87-61-6	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/23/19 18:24	78-93-3	
2-Hexanone	<5.0	ug/L	5.0	1		11/23/19 18:24	591-78-6	
Carbon disulfide	<1.0	ug/L	1.0	1		11/23/19 18:24	75-15-0	
Acetone	<5.0	ug/L	5.0	1		11/23/19 18:24	67-64-1	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/23/19 18:24	108-10-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/23/19 18:24	110-57-6	
Ethanol	<250	ug/L	250	1		11/23/19 18:24	64-17-5	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/23/19 18:24	75-45-6	N3
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	105-05-5	N3
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/23/19 18:24	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		11/23/19 18:24	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		11/23/19 18:24	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		11/23/19 18:24	2037-26-5	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

QC Batch: 139844 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 70112820001, 70112820002, 70112820003, 70112820004, 70112820005

METHOD BLANK: 670271 Matrix: Water
Associated Lab Samples: 70112820001, 70112820002, 70112820003, 70112820004, 70112820005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
1,1-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
1,3-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
1,4-Diethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	11/23/19 15:16	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/23/19 15:16	
2-Chlorotoluene	ug/L	<1.0	1.0	11/23/19 15:16	
2-Hexanone	ug/L	<5.0	5.0	11/23/19 15:16	
4-Chlorotoluene	ug/L	<1.0	1.0	11/23/19 15:16	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/23/19 15:16	
Acetone	ug/L	<5.0	5.0	11/23/19 15:16	
Benzene	ug/L	<1.0	1.0	11/23/19 15:16	
Bromobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Bromochloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Bromodichloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Bromoform	ug/L	<1.0	1.0	11/23/19 15:16	
Bromomethane	ug/L	<1.0	1.0	11/23/19 15:16	CL
Carbon disulfide	ug/L	<1.0	1.0	11/23/19 15:16	
Carbon tetrachloride	ug/L	<1.0	1.0	11/23/19 15:16	
Chlorobenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Chlorodifluoromethane	ug/L	<1.0	1.0	11/23/19 15:16	N3
Chloroethane	ug/L	<1.0	1.0	11/23/19 15:16	
Chloroform	ug/L	<1.0	1.0	11/23/19 15:16	
Chloromethane	ug/L	<1.0	1.0	11/23/19 15:16	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
Dibromochloromethane	ug/L	<1.0	1.0	11/23/19 15:16	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

METHOD BLANK: 670271

Matrix: Water

Associated Lab Samples: 70112820001, 70112820002, 70112820003, 70112820004, 70112820005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	11/23/19 15:16	
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/23/19 15:16	
Ethanol	ug/L	<250	250	11/23/19 15:16	
Ethylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	11/23/19 15:16	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	11/23/19 15:16	
Methylene Chloride	ug/L	<1.0	1.0	11/23/19 15:16	
n-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
n-Propylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
p-Isopropyltoluene	ug/L	<1.0	1.0	11/23/19 15:16	
sec-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Styrene	ug/L	<1.0	1.0	11/23/19 15:16	
tert-Butylbenzene	ug/L	<1.0	1.0	11/23/19 15:16	
Tetrachloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
Toluene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/23/19 15:16	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	11/23/19 15:16	
Trichloroethene	ug/L	<1.0	1.0	11/23/19 15:16	
Vinyl chloride	ug/L	<1.0	1.0	11/23/19 15:16	
Xylene (Total)	ug/L	<3.0	3.0	11/23/19 15:16	
1,2-Dichloroethane-d4 (S)	%	98	68-153	11/23/19 15:16	
4-Bromofluorobenzene (S)	%	101	79-124	11/23/19 15:16	
Toluene-d8 (S)	%	94	69-124	11/23/19 15:16	

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	40.0	80	74-113	
1,1,1-Trichloroethane	ug/L	50	45.0	90	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	74-121	
1,1,2-Trichloroethane	ug/L	50	48.5	97	80-117	
1,1-Dichloroethane	ug/L	50	44.4	89	83-151	
1,1-Dichloroethene	ug/L	50	38.4	77	45-146	
1,1-Dichloropropene	ug/L	50	46.6	93	59-127	
1,2,3-Trichlorobenzene	ug/L	50	38.8	78	67-103	
1,2,3-Trichloropropane	ug/L	50	46.1	92	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	44.6	89	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	46.1	92	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	46.0	92	83-115	
1,2-Dichloroethane	ug/L	50	47.9	96	74-129	
1,2-Dichloropropane	ug/L	50	48.3	97	75-117	
1,3,5-Trimethylbenzene	ug/L	50	46.3	93	67-116	
1,3-Dichlorobenzene	ug/L	50	45.0	90	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	42.7	85	74-112	
1,4-Diethylbenzene	ug/L	50	46.2	92	56-130	N3
2,2-Dichloropropane	ug/L	50	45.3	91	63-133	
2-Butanone (MEK)	ug/L	50	58.4	117	44-162	
2-Chlorotoluene	ug/L	50	48.3	97	74-101	
2-Hexanone	ug/L	50	63.9	128	32-183	CH
4-Chlorotoluene	ug/L	50	48.5	97	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	51.4	103	69-132	
Acetone	ug/L	50	90.2	180	23-188	CH
Benzene	ug/L	50	46.8	94	73-119	
Bromobenzene	ug/L	50	45.0	90	72-102	
Bromochloromethane	ug/L	50	42.5	85	81-116	
Bromodichloromethane	ug/L	50	48.3	97	78-117	
Bromoform	ug/L	50	37.0	74	65-122	
Bromomethane	ug/L	50	32.2	64	52-147	CL
Carbon disulfide	ug/L	50	37.3	75	41-144	
Carbon tetrachloride	ug/L	50	41.5	83	59-120	
Chlorobenzene	ug/L	50	41.9	84	75-113	
Chlorodifluoromethane	ug/L	50	57.7	115	43-140	CH,N3
Chloroethane	ug/L	50	39.5	79	49-151	
Chloroform	ug/L	50	44.3	89	72-122	
Chloromethane	ug/L	50	42.5	85	46-144	
cis-1,2-Dichloroethene	ug/L	50	42.7	85	72-121	
cis-1,3-Dichloropropene	ug/L	50	49.1	98	78-116	
Dibromochloromethane	ug/L	50	38.4	77	70-120	
Dibromomethane	ug/L	50	47.1	94	75-125	
Dichlorodifluoromethane	ug/L	50	73.7	147	22-154	CH
Ethanol	ug/L	1250	1330	107	10-151	
Ethylbenzene	ug/L	50	43.1	86	70-113	
Hexachloro-1,3-butadiene	ug/L	50	44.4	89	59-121	
Isopropylbenzene (Cumene)	ug/L	50	46.1	92	67-115	
Methylene Chloride	ug/L	50	42.6	85	61-142	
n-Butylbenzene	ug/L	50	50.8	102	73-107	
n-Propylbenzene	ug/L	50	48.4	97	68-116	
p-Isopropyltoluene	ug/L	50	46.3	93	73-101	
sec-Butylbenzene	ug/L	50	48.2	96	72-103	
Styrene	ug/L	50	45.5	91	72-118	
tert-Butylbenzene	ug/L	50	45.7	91	68-100	
Tetrachloroethene	ug/L	50	37.6	75	60-128	
Toluene	ug/L	50	48.6	97	72-119	
trans-1,2-Dichloroethene	ug/L	50	40.5	81	56-142	
trans-1,3-Dichloropropene	ug/L	50	49.8	100	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	43.4	87	71-121	
Trichloroethene	ug/L	50	45.2	90	69-117	
Vinyl chloride	ug/L	50	42.5	85	43-143	
Xylene (Total)	ug/L	150	130	87	71-109	
1,2-Dichloroethane-d4 (S)	%			106	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

LABORATORY CONTROL SAMPLE: 670272

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			104	79-124	
Toluene-d8 (S)	%			92	69-124	

MATRIX SPIKE SAMPLE: 670309

Parameter	Units	70112455002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	45.1	90	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	52.4	105	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	54.7	109	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	56.4	113	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	52.0	104	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	46.4	93	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	55.1	110	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	44.1	88	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	52.0	104	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	49.1	98	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	53.5	107	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	51.5	103	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	55.6	111	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	56.8	114	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	55.0	110	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	51.9	104	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	49.0	98	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	51.7	103	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	46.2	92	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	54.1	108	44-162	
2-Chlorotoluene	ug/L	<1.0	50	57.6	115	74-101	M1
2-Hexanone	ug/L	<5.0	50	55.2	110	32-183	CH
4-Chlorotoluene	ug/L	<1.0	50	57.2	114	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	59.8	120	69-132	
Acetone	ug/L	<5.0	50	58.1	116	23-188	CH
Benzene	ug/L	<1.0	50	54.9	110	73-119	
Bromobenzene	ug/L	<1.0	50	52.2	104	72-102	M1
Bromochloromethane	ug/L	<1.0	50	46.6	93	81-116	
Bromodichloromethane	ug/L	<1.0	50	53.1	106	78-117	
Bromoform	ug/L	<1.0	50	37.7	75	65-122	
Bromomethane	ug/L	<1.0	50	25.8	52	52-147	CL
Carbon disulfide	ug/L	<1.0	50	43.9	88	41-144	
Carbon tetrachloride	ug/L	<1.0	50	48.0	96	59-120	
Chlorobenzene	ug/L	<1.0	50	48.9	98	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	63.5	127	43-140	CH,N3
Chloroethane	ug/L	<1.0	50	45.9	92	49-151	
Chloroform	ug/L	<1.0	50	52.1	104	72-122	
Chloromethane	ug/L	<1.0	50	47.5	95	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50.4	101	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

MATRIX SPIKE SAMPLE: 670309		70112455002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	52.9	106	78-116	
Dibromochloromethane	ug/L	<1.0	50	42.1	84	70-120	
Dibromomethane	ug/L	<1.0	50	53.1	106	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	82.0	164	22-154	CH,M1
Ethanol	ug/L	<250	1250	1710	137	10-151	
Ethylbenzene	ug/L	<1.0	50	50.5	101	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	41.1	82	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	55.5	111	67-115	
Methylene Chloride	ug/L	<1.0	50	46.0	92	61-142	
n-Butylbenzene	ug/L	<1.0	50	56.5	113	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	58.1	116	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	54.0	108	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	56.3	113	72-103	M1
Styrene	ug/L	<1.0	50	52.8	106	72-118	
tert-Butylbenzene	ug/L	<1.0	50	54.2	108	68-100	M1
Tetrachloroethene	ug/L	<1.0	50	45.2	90	60-128	
Toluene	ug/L	<1.0	50	56.5	113	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	47.0	94	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	52.9	106	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	18.5	37	71-121	M1
Trichloroethene	ug/L	<1.0	50	53.5	107	69-117	
Vinyl chloride	ug/L	<1.0	50	49.2	98	43-143	
Xylene (Total)	ug/L	<3.0	150	154	103	71-109	
1,2-Dichloroethane-d4 (S)	%				112	68-153	
4-Bromofluorobenzene (S)	%				104	79-124	
Toluene-d8 (S)	%				92	69-124	

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001	Dup	RPD	Qualifiers
		Result	Result		
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	2.8	2.6	7	
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		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001 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		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		
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	14.2	8.6	49	D6
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

SAMPLE DUPLICATE: 670308

Parameter	Units	70112455001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	99	106		
4-Bromofluorobenzene (S)	%	98	102		
Toluene-d8 (S)	%	94	91		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FAIRCHILD ANNUAL 11/21

Pace Project No.: 70112820

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70112820001	MW-41-20191121	EPA 8260C/5030C	139844		
70112820002	MW-46I-20191121	EPA 8260C/5030C	139844		
70112820003	TB-20191121	EPA 8260C/5030C	139844		
70112820004	MW-50-20191121	EPA 8260C/5030C	139844		
70112820005	S-66134-20191121	EPA 8260C/5030C	139844		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CHAIN-OF-CUSTODY / Analytical Request

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

WO#: 70112820



70112820

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Fairchild Corporation	Report To: Daniel Germain Dan St. Germain	Company Name: HDR / Fairchild	Attention: Dan St. Germain		
Address: 1 International Blvd. Mahwah, NJ 07495	Copy To:	Address: 1 Intl Blvd 10th Fl Suite 1000 Pace Analytical Center 565816 Mahwah NJ 07495			
Email: daniel.stgermain@hdrinc.com	Purchase Order #:	Pace Order Number: 565816			
Phone: (201) 681-3041	Project Name: Fairchild Annual	Pace Project Manager: jennifer.araci@pacelabs.com			
Requested Due Date: 5/1/2012	Project #: 10025222	Pace Profile #: 5841			
Regulatory Agency:		State / Location:		NY	

ITEM #	MATRIX	CODE	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample ids must be unique	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test Y/N	VOC by 8260	Residual Chlorine (Y/N)	Requested Analysis Filtered (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				START	END					DATE	TIME	DATE	TIME	Unpreserved	H2SO4	HNO3	HCl				NaOH	Na2S2O3	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1	Drinking Water	DW	MW-41-20191121			G	WT		2							X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
			11/21/11	1530		11/21/11	1530	Received on	TEMP in C
								Ice (Y/N)	
								Sealed (Y/N)	
								Cooler (Y/N)	
								Samples Intact (Y/N)	

DATE Signed: 11/21/2011

SAMPLER NAME AND SIGNATURE: Matthew T. Pappalardo

PRINT Name of SAMPLER: Matthew T. Pappalardo

SIGNATURE of SAMPLER: [Signature]



Sample Condition Upon Receipt

Client Name:

Fairchild Amel

WO#: 70112820

PM: JSA Due Date: 12/04/19

CLIENT: FAIR

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

Tracking #:

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

Seals intact: ☐ Yes ☒ No

Temperature Blank Present: ☐ Yes ☒ No

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

Type of Ice: Wet Blue None

Thermometer Used: TH091

Correction Factor: +0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.4

Cooler Temperature Corrected (°C): 1.6

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: IT 11/20/19

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 originate 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	10.
Containers Intact:	☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐ Yes ☐ No ☒ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		
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:

February 05, 2019

Paul Lanzillotta
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

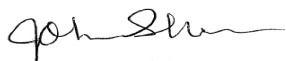
RE: Project: MONTHLY 1/28
Pace Project No.: 7077729

Dear Paul Lanzillotta:

Enclosed are the analytical results for sample(s) received by the laboratory on January 28, 2019. 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
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 1/28

Pace Project No.: 7077729

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 1/28

Pace Project No.: 7077729

Sample: INFLUENT #1		Lab ID: 7077729001		Collected: 01/28/19 15:25		Received: 01/28/19 16:15		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	01/29/19 09:33	01/30/19 23:11	7440-41-7		
Iron	790	ug/L	100	1	01/29/19 09:33	01/30/19 23:11	7439-89-6		
Manganese	77.5	ug/L	10.0	1	01/29/19 09:33	01/30/19 23:11	7439-96-5		
Zinc	41.2	ug/L	20.0	1	01/29/19 09:33	01/30/19 23:11	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		01/31/19 22:05	7440-41-7		
Iron, Dissolved	734	ug/L	20.0	1		01/31/19 22:05	7439-89-6		
Manganese, Dissolved	76.6	ug/L	10.0	1		01/31/19 22:05	7439-96-5		
Zinc, Dissolved	54.8	ug/L	20.0	1		01/31/19 22:05	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		01/31/19 14:52	67-64-1		
Benzene	2.0	ug/L	1.0	1		01/31/19 14:52	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/31/19 14:52	74-97-5	L1	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/31/19 14:52	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/31/19 14:52	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/31/19 14:52	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/31/19 14:52	78-93-3	L1	
n-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		01/31/19 14:52	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/31/19 14:52	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	108-90-7		
Chlorodifluoromethane	1.2	ug/L	1.0	1		01/31/19 14:52	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		01/31/19 14:52	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		01/31/19 14:52	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/31/19 14:52	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/31/19 14:52	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/31/19 14:52	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/31/19 14:52	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/31/19 14:52	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		01/31/19 14:52	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		01/31/19 14:52	110-57-6	CL	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/31/19 14:52	75-71-8		
1,1-Dichloroethane	17.6	ug/L	1.0	1		01/31/19 14:52	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:52	107-06-2		
1,1-Dichloroethene	8.6	ug/L	1.0	1		01/31/19 14:52	75-35-4		
cis-1,2-Dichloroethene	225	ug/L	10.0	10		01/31/19 15:28	156-59-2		
trans-1,2-Dichloroethene	1.8	ug/L	1.0	1		01/31/19 14:52	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:52	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:52	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:52	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 1/28

Pace Project No.: 7077729

Sample: INFLUENT #1		Lab ID: 7077729001		Collected: 01/28/19 15:25		Received: 01/28/19 16:15		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		01/31/19 14:52	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/31/19 14:52	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/31/19 14:52	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	105-05-5	N3	
Ethanol	<250	ug/L	250	1		01/31/19 14:52	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/31/19 14:52	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		01/31/19 14:52	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/31/19 14:52	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/31/19 14:52	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		01/31/19 14:52	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/31/19 14:52	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	103-65-1		
Styrene	<1.0	ug/L	1.0	1		01/31/19 14:52	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/31/19 14:52	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/31/19 14:52	79-34-5		
Tetrachloroethene	487	ug/L	10.0	10		01/31/19 15:28	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		01/31/19 14:52	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:52	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:52	79-00-5		
Trichloroethene	116	ug/L	1.0	1		01/31/19 14:52	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:52	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:52	108-67-8		
Vinyl chloride	25.4	ug/L	1.0	1		01/31/19 14:52	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		01/31/19 14:52	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		01/31/19 14:52	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-124	1		01/31/19 14:52	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		01/31/19 14:52	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	122	mg/L	10.0	1		01/29/19 16:05			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 1/28

Pace Project No.: 7077729

Sample: INFLUENT #2		Lab ID: 7077729002		Collected: 01/28/19 15:10		Received: 01/28/19 16:15		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	01/29/19 09:33	01/30/19 23:17	7440-41-7		
Iron	752	ug/L	100	1	01/29/19 09:33	01/30/19 23:17	7439-89-6		
Manganese	75.8	ug/L	10.0	1	01/29/19 09:33	01/30/19 23:17	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	01/29/19 09:33	01/30/19 23:17	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		01/31/19 22:26	7440-41-7		
Iron, Dissolved	530	ug/L	20.0	1		01/31/19 22:26	7439-89-6		
Manganese, Dissolved	75.9	ug/L	10.0	1		01/31/19 22:26	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		01/31/19 22:26	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		01/31/19 14:33	67-64-1		
Benzene	<1.0	ug/L	1.0	1		01/31/19 14:33	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/31/19 14:33	74-97-5	L1	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/31/19 14:33	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/31/19 14:33	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/31/19 14:33	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/31/19 14:33	78-93-3	L1	
n-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		01/31/19 14:33	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/31/19 14:33	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		01/31/19 14:33	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		01/31/19 14:33	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		01/31/19 14:33	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/31/19 14:33	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/31/19 14:33	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/31/19 14:33	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/31/19 14:33	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/31/19 14:33	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		01/31/19 14:33	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		01/31/19 14:33	110-57-6	CL	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/31/19 14:33	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:33	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:33	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/31/19 14:33	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/31/19 14:33	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/31/19 14:33	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:33	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:33	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:33	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 1/28

Pace Project No.: 7077729

Sample: INFLUENT #2		Lab ID: 7077729002	Collected: 01/28/19 15:10	Received: 01/28/19 16:15	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		01/31/19 14:33	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/31/19 14:33	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/31/19 14:33	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	105-05-5	N3
Ethanol	<250	ug/L	250	1		01/31/19 14:33	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/31/19 14:33	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		01/31/19 14:33	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/31/19 14:33	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/31/19 14:33	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/31/19 14:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/31/19 14:33	108-10-1	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	103-65-1	
Styrene	<1.0	ug/L	1.0	1		01/31/19 14:33	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/31/19 14:33	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/31/19 14:33	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/31/19 14:33	127-18-4	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	95-93-2	N3
Toluene	<1.0	ug/L	1.0	1		01/31/19 14:33	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	87-61-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:33	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:33	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/31/19 14:33	79-01-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:33	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:33	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		01/31/19 14:33	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/31/19 14:33	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	68-153	1		01/31/19 14:33	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124	1		01/31/19 14:33	460-00-4	
Toluene-d8 (S)	94	%	69-124	1		01/31/19 14:33	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	117	mg/L	10.0	1		01/29/19 16:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 1/28

Pace Project No.: 7077729

Sample: EFFLUENT #1		Lab ID: 7077729003		Collected: 01/28/19 15:40		Received: 01/28/19 16:15		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	01/29/19 09:33	01/30/19 23:22	7440-41-7		
Iron	712	ug/L	100	1	01/29/19 09:33	01/30/19 23:22	7439-89-6		
Manganese	76.7	ug/L	10.0	1	01/29/19 09:33	01/30/19 23:22	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	01/29/19 09:33	01/30/19 23:22	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		01/31/19 22:33	7440-41-7		
Iron, Dissolved	458	ug/L	20.0	1		01/31/19 22:33	7439-89-6		
Manganese, Dissolved	76.1	ug/L	10.0	1		01/31/19 22:33	7439-96-5		
Zinc, Dissolved	20.5	ug/L	20.0	1		01/31/19 22:33	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		01/31/19 14:14	67-64-1		
Benzene	<1.0	ug/L	1.0	1		01/31/19 14:14	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		01/31/19 14:14	74-97-5	L1	
Bromodichloromethane	<1.0	ug/L	1.0	1		01/31/19 14:14	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/31/19 14:14	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/31/19 14:14	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/31/19 14:14	78-93-3	L1	
n-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		01/31/19 14:14	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/31/19 14:14	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		01/31/19 14:14	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		01/31/19 14:14	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		01/31/19 14:14	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/31/19 14:14	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		01/31/19 14:14	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		01/31/19 14:14	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/31/19 14:14	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		01/31/19 14:14	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		01/31/19 14:14	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		01/31/19 14:14	110-57-6	CL	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		01/31/19 14:14	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:14	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:14	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/31/19 14:14	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/31/19 14:14	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		01/31/19 14:14	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:14	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:14	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:14	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 1/28

Pace Project No.: 7077729

Sample: EFFLUENT #1		Lab ID: 7077729003	Collected: 01/28/19 15:40	Received: 01/28/19 16:15	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		01/31/19 14:14	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/31/19 14:14	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/31/19 14:14	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	105-05-5	N3
Ethanol	<250	ug/L	250	1		01/31/19 14:14	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		01/31/19 14:14	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		01/31/19 14:14	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		01/31/19 14:14	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		01/31/19 14:14	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		01/31/19 14:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/31/19 14:14	108-10-1	
n-Propylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	103-65-1	
Styrene	<1.0	ug/L	1.0	1		01/31/19 14:14	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/31/19 14:14	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/31/19 14:14	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		01/31/19 14:14	127-18-4	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	95-93-2	N3
Toluene	<1.0	ug/L	1.0	1		01/31/19 14:14	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	87-61-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:14	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/31/19 14:14	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		01/31/19 14:14	79-01-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		01/31/19 14:14	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		01/31/19 14:14	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		01/31/19 14:14	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		01/31/19 14:14	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	68-153	1		01/31/19 14:14	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		01/31/19 14:14	460-00-4	
Toluene-d8 (S)	94	%	69-124	1		01/31/19 14:14	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	126	mg/L	10.0	1		01/29/19 16:05		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 1/28

Pace Project No.: 7077729

QC Batch:	99940	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	7077729001, 7077729002, 7077729003		

METHOD BLANK: 461788 Matrix: Water

Associated Lab Samples: 7077729001, 7077729002, 7077729003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	01/31/19 21:53	
Iron, Dissolved	ug/L	<20.0	20.0	01/31/19 21:53	
Manganese, Dissolved	ug/L	<10.0	10.0	01/31/19 21:53	
Zinc, Dissolved	ug/L	<20.0	20.0	01/31/19 21:53	

LABORATORY CONTROL SAMPLE: 461789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	49.9	100	85-115	
Iron, Dissolved	ug/L	2000	1980	99	85-115	
Manganese, Dissolved	ug/L	250	250	100	85-115	
Zinc, Dissolved	ug/L	1000	987	99	85-115	

MATRIX SPIKE SAMPLE: 461792

Parameter	Units	7077729001 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	734	2000	3120	120	70-130	
Manganese, Dissolved	ug/L	76.6	250	328	101	70-130	
Zinc, Dissolved	ug/L	54.8	1000	1070	101	70-130	

SAMPLE DUPLICATE: 461791

Parameter	Units	7077729001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	734	720	2	
Manganese, Dissolved	ug/L	76.6	77.0	0	
Zinc, Dissolved	ug/L	54.8	54.6	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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 1/28

Pace Project No.: 7077729

QC Batch: 99890 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7077729001, 7077729002, 7077729003

METHOD BLANK: 461410 Matrix: Water

Associated Lab Samples: 7077729001, 7077729002, 7077729003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	01/30/19 22:09	
Iron	ug/L	<100	100	01/30/19 22:09	
Manganese	ug/L	<10.0	10.0	01/30/19 22:09	
Zinc	ug/L	<20.0	20.0	01/30/19 22:09	

LABORATORY CONTROL SAMPLE: 461411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	52.1	104	85-115	
Iron	ug/L	2000	2160	108	85-115	
Manganese	ug/L	250	260	104	85-115	
Zinc	ug/L	1000	1050	105	85-115	

MATRIX SPIKE SAMPLE: 461413

Parameter	Units	7077709001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	45.9	92	70-130	
Iron	ug/L	931	2000	2910	99	70-130	
Manganese	ug/L	68.3	250	307	96	70-130	
Zinc	ug/L	<20.0	1000	1080	107	70-130	

SAMPLE DUPLICATE: 461412

Parameter	Units	7077709001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	931	910	2	
Manganese	ug/L	68.3	74.4	9	
Zinc	ug/L	<20.0	<20.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 1/28

Pace Project No.: 7077729

QC Batch:	100137	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples: 7077729001, 7077729002, 7077729003			

METHOD BLANK: 462739 Matrix: Water

Associated Lab Samples: 7077729001, 7077729002, 7077729003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	01/31/19 08:38	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/31/19 08:38	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/31/19 08:38	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/31/19 08:38	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/31/19 08:38	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/31/19 08:38	
1,1-Dichloropropene	ug/L	<1.0	1.0	01/31/19 08:38	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	01/31/19 08:38	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	01/31/19 08:38	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	01/31/19 08:38	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/31/19 08:38	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/31/19 08:38	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	01/31/19 08:38	
1,3-Dichloropropane	ug/L	<1.0	1.0	01/31/19 08:38	
1,4-Diethylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	01/31/19 08:38	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/31/19 08:38	
2-Chlorotoluene	ug/L	<1.0	1.0	01/31/19 08:38	
2-Hexanone	ug/L	<5.0	5.0	01/31/19 08:38	
4-Chlorotoluene	ug/L	<1.0	1.0	01/31/19 08:38	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/31/19 08:38	
Acetone	ug/L	<5.0	5.0	01/31/19 08:38	
Benzene	ug/L	<1.0	1.0	01/31/19 08:38	
Bromobenzene	ug/L	<1.0	1.0	01/31/19 08:38	
Bromochloromethane	ug/L	<1.0	1.0	01/31/19 08:38	
Bromodichloromethane	ug/L	<1.0	1.0	01/31/19 08:38	
Bromoform	ug/L	<1.0	1.0	01/31/19 08:38	
Bromomethane	ug/L	<1.0	1.0	01/31/19 08:38	
Carbon disulfide	ug/L	<1.0	1.0	01/31/19 08:38	
Carbon tetrachloride	ug/L	<1.0	1.0	01/31/19 08:38	
Chlorobenzene	ug/L	<1.0	1.0	01/31/19 08:38	
Chlorodifluoromethane	ug/L	<1.0	1.0	01/31/19 08:38	N3
Chloroethane	ug/L	<1.0	1.0	01/31/19 08:38	
Chloroform	ug/L	<1.0	1.0	01/31/19 08:38	
Chloromethane	ug/L	<1.0	1.0	01/31/19 08:38	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	01/31/19 08:38	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/31/19 08:38	
Dibromochloromethane	ug/L	<1.0	1.0	01/31/19 08:38	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 1/28

Pace Project No.: 7077729

METHOD BLANK: 462739

Matrix: Water

Associated Lab Samples: 7077729001, 7077729002, 7077729003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	01/31/19 08:38	
Dichlorodifluoromethane	ug/L	<1.0	1.0	01/31/19 08:38	
Ethanol	ug/L	<250	250	01/31/19 08:38	
Ethylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	01/31/19 08:38	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	01/31/19 08:38	
Methylene Chloride	ug/L	<1.0	1.0	01/31/19 08:38	
n-Butylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	
n-Propylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	
p-Isopropyltoluene	ug/L	<1.0	1.0	01/31/19 08:38	
sec-Butylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	
Styrene	ug/L	<1.0	1.0	01/31/19 08:38	
tert-Butylbenzene	ug/L	<1.0	1.0	01/31/19 08:38	
Tetrachloroethene	ug/L	<1.0	1.0	01/31/19 08:38	
Toluene	ug/L	<1.0	1.0	01/31/19 08:38	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	01/31/19 08:38	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/31/19 08:38	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	01/31/19 08:38	CL
Trichloroethene	ug/L	<1.0	1.0	01/31/19 08:38	
Vinyl chloride	ug/L	<1.0	1.0	01/31/19 08:38	
Xylene (Total)	ug/L	<3.0	3.0	01/31/19 08:38	
1,2-Dichloroethane-d4 (S)	%	98	68-153	01/31/19 08:38	
4-Bromofluorobenzene (S)	%	102	79-124	01/31/19 08:38	
Toluene-d8 (S)	%	96	69-124	01/31/19 08:38	

LABORATORY CONTROL SAMPLE: 462740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.4	95	74-113	
1,1,1-Trichloroethane	ug/L	50	50.1	100	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	42.0	84	74-121	
1,1,2-Trichloroethane	ug/L	50	52.1	104	80-117	
1,1-Dichloroethane	ug/L	50	57.3	115	83-151	
1,1-Dichloroethene	ug/L	50	60.9	122	45-146	
1,1-Dichloropropene	ug/L	50	54.3	109	59-127	
1,2,3-Trichlorobenzene	ug/L	50	41.4	83	67-103	
1,2,3-Trichloropropane	ug/L	50	42.4	85	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	45.8	92	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	45.7	91	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	53.3	107	83-115	
1,2-Dichloroethane	ug/L	50	58.0	116	74-129	
1,2-Dichloropropane	ug/L	50	55.8	112	75-117	
1,3,5-Trimethylbenzene	ug/L	50	45.1	90	67-116	
1,3-Dichlorobenzene	ug/L	50	44.8	90	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 1/28

Pace Project No.: 7077729

LABORATORY CONTROL SAMPLE: 462740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	48.9	98	74-112	
1,4-Diethylbenzene	ug/L	50	47.0	94	56-130	N3
2,2-Dichloropropane	ug/L	50	58.3	117	63-133	
2-Butanone (MEK)	ug/L	50	87.1	174	44-162	CH,L1
2-Chlorotoluene	ug/L	50	43.0	86	74-101	
2-Hexanone	ug/L	50	50.4	101	32-183	
4-Chlorotoluene	ug/L	50	43.6	87	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	53.9	108	69-132	
Acetone	ug/L	50	39.9	80	23-188	CH
Benzene	ug/L	50	52.3	105	73-119	
Bromobenzene	ug/L	50	45.1	90	72-102	
Bromochloromethane	ug/L	50	58.6	117	81-116	L1
Bromodichloromethane	ug/L	50	53.3	107	78-117	
Bromoform	ug/L	50	57.5	115	65-122	
Bromomethane	ug/L	50	49.9	100	52-147	
Carbon disulfide	ug/L	50	58.5	117	41-144	
Carbon tetrachloride	ug/L	50	52.9	106	59-120	
Chlorobenzene	ug/L	50	47.1	94	75-113	
Chlorodifluoromethane	ug/L	50	53.1	106	43-140	N3
Chloroethane	ug/L	50	55.8	112	49-151	
Chloroform	ug/L	50	55.4	111	72-122	
Chloromethane	ug/L	50	46.4	93	46-144	
cis-1,2-Dichloroethene	ug/L	50	58.5	117	72-121	
cis-1,3-Dichloropropene	ug/L	50	54.1	108	78-116	
Dibromochloromethane	ug/L	50	49.5	99	70-120	
Dibromomethane	ug/L	50	54.0	108	75-125	
Dichlorodifluoromethane	ug/L	50	41.5	83	22-154	
Ethanol	ug/L	1250	1360	108	10-151	
Ethylbenzene	ug/L	50	51.0	102	70-113	
Hexachloro-1,3-butadiene	ug/L	50	41.3	83	59-121	
Isopropylbenzene (Cumene)	ug/L	50	43.8	88	67-115	
Methylene Chloride	ug/L	50	54.4	109	61-142	
n-Butylbenzene	ug/L	50	47.5	95	73-107	
n-Propylbenzene	ug/L	50	44.6	89	68-116	
p-Isopropyltoluene	ug/L	50	44.2	88	73-101	
sec-Butylbenzene	ug/L	50	45.1	90	72-103	
Styrene	ug/L	50	51.9	104	72-118	
tert-Butylbenzene	ug/L	50	42.7	85	68-100	
Tetrachloroethene	ug/L	50	41.2	82	60-128	
Toluene	ug/L	50	54.0	108	72-119	
trans-1,2-Dichloroethene	ug/L	50	58.5	117	56-142	
trans-1,3-Dichloropropene	ug/L	50	56.8	114	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	38.6	77	71-121	CL
Trichloroethene	ug/L	50	56.5	113	69-117	
Vinyl chloride	ug/L	50	52.2	104	43-143	
Xylene (Total)	ug/L	150	150	100	71-109	
1,2-Dichloroethane-d4 (S)	%			100	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 1/28

Pace Project No.: 7077729

LABORATORY CONTROL SAMPLE: 462740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			106	79-124	
Toluene-d8 (S)	%			96	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 463221 463222

Parameter	Units	7077767006 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	48.8	48.0	98	96	74-113	2	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	56.8	52.4	114	105	65-118	8	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	43.6	41.6	87	83	74-121	5	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	56.5	53.5	113	107	80-117	5	
1,1-Dichloroethane	ug/L	<1.0	50	50	61.4	59.7	123	119	83-151	3	
1,1-Dichloroethene	ug/L	<1.0	50	50	65.0	60.7	130	121	45-146	7	
1,1-Dichloropropene	ug/L	<1.0	50	50	59.3	54.8	119	110	59-127	8	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	42.1	37.8	84	76	67-103	11	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	44.3	41.7	89	83	71-123	6	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	50	46.6	43.4	93	87	66-103	7	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	49.8	45.9	100	92	68-116	8	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	56.2	54.8	112	110	83-115	2	
1,2-Dichloroethane	ug/L	<1.0	50	50	63.9	60.5	128	121	74-129	5	
1,2-Dichloropropane	ug/L	<1.0	50	50	60.2	57.1	120	114	75-117	5	M1
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	49.0	45.5	98	91	67-116	8	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	47.6	44.3	95	89	71-112	7	
1,3-Dichloropropane	ug/L	<1.0	50	50	50.2	48.8	100	98	74-112	3	
1,4-Diethylbenzene	ug/L	<1.0	50	50	49.1	45.3	98	91	56-130	8	N3
2,2-Dichloropropane	ug/L	<1.0	50	50	61.9	58.3	124	117	63-133	6	
2-Butanone (MEK)	ug/L	<5.0	50	50	88.3	88.3	177	177	44-162	0	CH,M0
2-Chlorotoluene	ug/L	<1.0	50	50	46.9	44.0	94	88	74-101	6	
2-Hexanone	ug/L	<5.0	50	50	51.2	48.9	102	98	32-183	5	
4-Chlorotoluene	ug/L	<1.0	50	50	47.3	43.7	95	87	74-101	8	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	58.1	55.1	116	110	69-132	5	
Acetone	ug/L	<5.0	50	50	42.6	42.4	85	85	23-188	1	CH
Benzene	ug/L	<1.0	50	50	56.8	53.5	114	107	73-119	6	
Bromobenzene	ug/L	<1.0	50	50	48.2	45.4	96	91	72-102	6	
Bromochloromethane	ug/L	<1.0	50	50	60.8	59.1	122	118	81-116	3	M0
Bromodichloromethane	ug/L	<1.0	50	50	57.1	53.8	114	108	78-117	6	
Bromoform	ug/L	<1.0	50	50	52.2	50.1	104	100	65-122	4	
Bromomethane	ug/L	<1.0	50	50	32.3	32.9	65	66	52-147	2	
Carbon disulfide	ug/L	<1.0	50	50	57.9	58.3	116	117	41-144	1	
Carbon tetrachloride	ug/L	<1.0	50	50	56.7	53.2	113	106	59-120	6	
Chlorobenzene	ug/L	<1.0	50	50	49.0	47.7	98	95	75-113	3	
Chlorodifluoromethane	ug/L	<1.0	50	50	56.6	52.8	113	106	43-140	7	N3
Chloroethane	ug/L	<1.0	50	50	58.0	55.3	116	111	49-151	5	
Chloroform	ug/L	<1.0	50	50	59.5	58.0	119	116	72-122	3	
Chloromethane	ug/L	<1.0	50	50	43.9	39.7	88	79	46-144	10	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 1/28

Pace Project No.: 7077729

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 463221 463222											
Parameter	Units	7077767006 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	60.6	59.0	121	118	72-121	3	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	56.4	53.6	113	107	78-116	5	
Dibromochloromethane	ug/L	<1.0	50	50	48.1	46.9	96	94	70-120	3	
Dibromomethane	ug/L	<1.0	50	50	59.1	55.3	118	111	75-125	7	
Dichlorodifluoromethane	ug/L	<1.0	50	50	44.7	39.6	89	79	22-154	12	
Ethanol	ug/L	<250	1250	1250	1470	1700	118	136	10-151	14	
Ethylbenzene	ug/L	<1.0	50	50	53.2	50.8	106	102	70-113	5	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	39.2	35.8	78	72	59-121	9	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	47.1	43.4	94	87	67-115	8	
Methylene Chloride	ug/L	<1.0	50	50	56.8	55.1	114	110	61-142	3	
n-Butylbenzene	ug/L	<1.0	50	50	49.9	45.8	100	92	73-107	8	
n-Propylbenzene	ug/L	<1.0	50	50	48.3	45.0	97	90	68-116	7	
p-Isopropyltoluene	ug/L	<1.0	50	50	46.9	43.5	94	87	73-101	8	
sec-Butylbenzene	ug/L	<1.0	50	50	47.7	43.5	95	87	72-103	9	
Styrene	ug/L	<1.0	50	50	53.9	51.6	108	103	72-118	4	
tert-Butylbenzene	ug/L	<1.0	50	50	45.9	42.5	92	85	68-100	8	
Tetrachloroethene	ug/L	<1.0	50	50	44.5	41.9	89	84	60-128	6	
Toluene	ug/L	<1.0	50	50	59.8	56.2	120	112	72-119	6	M1
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	61.8	59.2	124	118	56-142	4	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	59.5	56.6	119	113	79-116	5	M1
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	13.6	11.4	27	23	71-121	18	CL,M1
Trichloroethene	ug/L	<1.0	50	50	61.3	57.0	123	114	69-117	7	M1
Vinyl chloride	ug/L	<1.0	50	50	54.8	50.8	110	102	43-143	7	
Xylene (Total)	ug/L	<3.0	150	150	159	151	106	101	71-109	5	
1,2-Dichloroethane-d4 (S)	%						106	102	68-153		
4-Bromofluorobenzene (S)	%						107	107	79-124		
Toluene-d8 (S)	%						94	94	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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 1/28

Pace Project No.: 7077729

QC Batch: 99916 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7077729001, 7077729002, 7077729003

METHOD BLANK: 461469 Matrix: Water

Associated Lab Samples: 7077729001, 7077729002, 7077729003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	01/29/19 15:53	

LABORATORY CONTROL SAMPLE: 461470

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	532	106	85-115	

MATRIX SPIKE SAMPLE: 461472

Parameter	Units	7077379001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	30.0	300	318	96	75-125	

MATRIX SPIKE SAMPLE: 461474

Parameter	Units	7077740001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	350	600	962	102	75-125	

SAMPLE DUPLICATE: 461471

Parameter	Units	7077379001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	30.0	27.0	11	D6

SAMPLE DUPLICATE: 461473

Parameter	Units	7077740001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	350	346	1	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 1/28

Pace Project No.: 7077729

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 1/28

Pace Project No.: 7077729

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7077729001	INFLUENT #1	EPA 200.7	99890	EPA 200.7	99901
7077729002	INFLUENT #2	EPA 200.7	99890	EPA 200.7	99901
7077729003	EFFLUENT #1	EPA 200.7	99890	EPA 200.7	99901
7077729001	INFLUENT #1	EPA 200.7	99940		
7077729002	INFLUENT #2	EPA 200.7	99940		
7077729003	EFFLUENT #1	EPA 200.7	99940		
7077729001	INFLUENT #1	EPA 8260C/5030C	100137		
7077729002	INFLUENT #2	EPA 8260C/5030C	100137		
7077729003	EFFLUENT #1	EPA 8260C/5030C	100137		
7077729001	INFLUENT #1	SM22 2540C	99916		
7077729002	INFLUENT #2	SM22 2540C	99916		
7077729003	EFFLUENT #1	SM22 2540C	99916		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

[illegible]

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

Required Project Information:

Company: Fairchild Corporation		Report To: Paul Lanzilloita	Attention:
Address: 136 Gazza Blvd.		Copy To:	Company Name:
Farmingdale, NY 117351420			Address:
Email: paul@wiretowater.com		Purchase Order #:	Regulatory Agency:
Phone:			
Fax:		Project Name: MONTHLY	Pace Quote:
Requested Due Date:		Pace Project Manager: john.stanton@pacelabs.com.	Pace Project #:
		Project #:	State / Location
			NY

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP in C	Received on	Custody (Y/N)	Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
	Jason Fellows	1/28/19	16:15	Shenandoah Park US	1/28/19	16:15	103		Y			NY

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jason Fellows

SIGNATURE of SAMPLER: 

DATE Signed: 1/28/19

Page 19 of 20



Sample Condition Upon Receipt

Client Name:

Fairchild Corp

Project:

WO#: 7077729

PM: JDS Due Date: 02/06/19

CLIENT: FAIR

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☒ No

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

Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH091

Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 10.3

Cooler Temperature Corrected (°C): 10.3

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: DD/28/19

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 originate 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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>HC857466</u>	Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) ☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #	
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:

March 08, 2019

Paul Lanzillotta
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

RE: Project: MONTHLY 2/28
Pace Project No.: 7080975

Dear Paul Lanzillotta:

Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2019. 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
Caroline Mendoza, Fairchild Corporation
Stuart Skopicki, Wire to Water Electrical Contractors



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 2/28

Pace Project No.: 7080975

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 2/28

Pace Project No.: 7080975

Sample: INFLUENT #1		Lab ID: 7080975001		Collected: 02/28/19 15:58		Received: 02/28/19 17:05		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	03/01/19 14:10	03/05/19 00:46	7440-41-7		
Iron	896	ug/L	100	1	03/01/19 14:10	03/05/19 00:46	7439-89-6		
Manganese	84.6	ug/L	10.0	1	03/01/19 14:10	03/05/19 00:46	7439-96-5		
Zinc	50.4	ug/L	20.0	1	03/01/19 14:10	03/05/19 00:46	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		03/06/19 00:58	7440-41-7		
Iron, Dissolved	765	ug/L	20.0	1		03/06/19 00:58	7439-89-6		
Manganese, Dissolved	77.5	ug/L	10.0	1		03/06/19 00:58	7439-96-5		
Zinc, Dissolved	51.1	ug/L	20.0	1		03/06/19 00:58	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		03/05/19 21:35	67-64-1		
Benzene	1.9	ug/L	1.0	1		03/05/19 21:35	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	108-86-1	L1	
Bromochloromethane	<1.0	ug/L	1.0	1		03/05/19 21:35	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/05/19 21:35	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		03/05/19 21:35	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		03/05/19 21:35	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/05/19 21:35	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	98-06-6	L1	
Carbon disulfide	<1.0	ug/L	1.0	1		03/05/19 21:35	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/05/19 21:35	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		03/05/19 21:35	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		03/05/19 21:35	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		03/05/19 21:35	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/05/19 21:35	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		03/05/19 21:35	95-49-8	L1	
4-Chlorotoluene	<1.0	ug/L	1.0	1		03/05/19 21:35	106-43-4	L1	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/05/19 21:35	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		03/05/19 21:35	106-93-4	L1	
Dibromomethane	<1.0	ug/L	1.0	1		03/05/19 21:35	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		03/05/19 21:35	110-57-6	L1	
Dichlorodifluoromethane	1.3	ug/L	1.0	1		03/05/19 21:35	75-71-8	IL	
1,1-Dichloroethane	15.4	ug/L	1.0	1		03/05/19 21:35	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/05/19 21:35	107-06-2		
1,1-Dichloroethene	7.4	ug/L	1.0	1		03/05/19 21:35	75-35-4		
cis-1,2-Dichloroethene	198	ug/L	1.0	1		03/05/19 21:35	156-59-2		
trans-1,2-Dichloroethene	1.7	ug/L	1.0	1		03/05/19 21:35	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 21:35	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 21:35	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 21:35	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 2/28

Pace Project No.: 7080975

Sample: INFLUENT #1		Lab ID: 7080975001		Collected: 02/28/19 15:58		Received: 02/28/19 17:05		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		03/05/19 21:35	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/05/19 21:35	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/05/19 21:35	10061-02-6	L1	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	105-05-5	N3	
Ethanol	<250	ug/L	250	1		03/05/19 21:35	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		03/05/19 21:35	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/05/19 21:35	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		03/05/19 21:35	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		03/05/19 21:35	99-87-6	L1	
Methylene Chloride	<1.0	ug/L	1.0	1		03/05/19 21:35	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/05/19 21:35	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	103-65-1		
Styrene	<1.0	ug/L	1.0	1		03/05/19 21:35	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/05/19 21:35	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/05/19 21:35	79-34-5		
Tetrachloroethene	748	ug/L	10.0	10		03/06/19 09:22	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	95-93-2	L1,N3	
Toluene	<1.0	ug/L	1.0	1		03/05/19 21:35	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/05/19 21:35	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/05/19 21:35	79-00-5		
Trichloroethene	113	ug/L	1.0	1		03/05/19 21:35	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		03/05/19 21:35	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:35	108-67-8		
Vinyl chloride	23.4	ug/L	1.0	1		03/05/19 21:35	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		03/05/19 21:35	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	68-153	1		03/05/19 21:35	17060-07-0		
4-Bromofluorobenzene (S)	102	%	79-124	1		03/05/19 21:35	460-00-4		
Toluene-d8 (S)	101	%	69-124	1		03/05/19 21:35	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	120	mg/L	10.0	1		03/04/19 17:01			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 2/28

Pace Project No.: 7080975

Sample: INFLUENT #2		Lab ID: 7080975002		Collected: 02/28/19 16:08		Received: 02/28/19 17:05		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	03/01/19 14:10	03/05/19 00:52	7440-41-7		
Iron	850	ug/L	100	1	03/01/19 14:10	03/05/19 00:52	7439-89-6		
Manganese	83.0	ug/L	10.0	1	03/01/19 14:10	03/05/19 00:52	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	03/01/19 14:10	03/05/19 00:52	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		03/06/19 01:03	7440-41-7		
Iron, Dissolved	540	ug/L	20.0	1		03/06/19 01:03	7439-89-6		
Manganese, Dissolved	77.7	ug/L	10.0	1		03/06/19 01:03	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		03/06/19 01:03	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		03/05/19 21:17	67-64-1		
Benzene	<1.0	ug/L	1.0	1		03/05/19 21:17	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	108-86-1		L1
Bromochloromethane	<1.0	ug/L	1.0	1		03/05/19 21:17	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/05/19 21:17	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		03/05/19 21:17	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		03/05/19 21:17	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/05/19 21:17	78-93-3		IL
n-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	98-06-6		L1
Carbon disulfide	<1.0	ug/L	1.0	1		03/05/19 21:17	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/05/19 21:17	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		03/05/19 21:17	75-45-6		N3
Chloroethane	<1.0	ug/L	1.0	1		03/05/19 21:17	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		03/05/19 21:17	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/05/19 21:17	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		03/05/19 21:17	95-49-8		L1
4-Chlorotoluene	<1.0	ug/L	1.0	1		03/05/19 21:17	106-43-4		L1
Dibromochloromethane	<1.0	ug/L	1.0	1		03/05/19 21:17	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		03/05/19 21:17	106-93-4		L1
Dibromomethane	<1.0	ug/L	1.0	1		03/05/19 21:17	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		03/05/19 21:17	110-57-6		L1
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		03/05/19 21:17	75-71-8		IL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/05/19 21:17	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/05/19 21:17	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/05/19 21:17	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/05/19 21:17	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/05/19 21:17	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 21:17	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 21:17	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 21:17	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 2/28

Pace Project No.: 7080975

Sample: INFLUENT #2		Lab ID: 7080975002		Collected: 02/28/19 16:08		Received: 02/28/19 17:05		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		03/05/19 21:17	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/05/19 21:17	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/05/19 21:17	10061-02-6	L1	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	105-05-5	N3	
Ethanol	<250	ug/L	250	1		03/05/19 21:17	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		03/05/19 21:17	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/05/19 21:17	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		03/05/19 21:17	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		03/05/19 21:17	99-87-6	L1	
Methylene Chloride	<1.0	ug/L	1.0	1		03/05/19 21:17	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/05/19 21:17	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	103-65-1		
Styrene	<1.0	ug/L	1.0	1		03/05/19 21:17	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/05/19 21:17	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/05/19 21:17	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		03/05/19 21:17	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	95-93-2	L1,N3	
Toluene	<1.0	ug/L	1.0	1		03/05/19 21:17	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/05/19 21:17	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/05/19 21:17	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		03/05/19 21:17	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		03/05/19 21:17	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/05/19 21:17	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		03/05/19 21:17	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		03/05/19 21:17	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	68-153	1		03/05/19 21:17	17060-07-0		
4-Bromofluorobenzene (S)	103	%	79-124	1		03/05/19 21:17	460-00-4		
Toluene-d8 (S)	103	%	69-124	1		03/05/19 21:17	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	117	mg/L	10.0	1		03/04/19 17:01			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 2/28

Pace Project No.: 7080975

Sample: EFFLUENT #1	Lab ID: 7080975003	Collected: 02/28/19 16:18	Received: 02/28/19 17:05	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	03/01/19 14:10	03/05/19 00:57	7440-41-7	
Iron	854	ug/L	100	1	03/01/19 14:10	03/05/19 00:57	7439-89-6	
Manganese	86.8	ug/L	10.0	1	03/01/19 14:10	03/05/19 00:57	7439-96-5	
Zinc	20.4	ug/L	20.0	1	03/01/19 14:10	03/05/19 00:57	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		03/06/19 01:09	7440-41-7	
Iron, Dissolved	453	ug/L	20.0	1		03/06/19 01:09	7439-89-6	
Manganese, Dissolved	80.1	ug/L	10.0	1		03/06/19 01:09	7439-96-5	
Zinc, Dissolved	<20.0	ug/L	20.0	1		03/06/19 01:09	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		03/05/19 20:59	67-64-1	
Benzene	<1.0	ug/L	1.0	1		03/05/19 20:59	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	108-86-1	L1
Bromochloromethane	<1.0	ug/L	1.0	1		03/05/19 20:59	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		03/05/19 20:59	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		03/05/19 20:59	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		03/05/19 20:59	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/05/19 20:59	78-93-3	IL
n-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	98-06-6	L1
Carbon disulfide	<1.0	ug/L	1.0	1		03/05/19 20:59	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/05/19 20:59	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		03/05/19 20:59	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		03/05/19 20:59	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		03/05/19 20:59	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		03/05/19 20:59	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		03/05/19 20:59	95-49-8	L1
4-Chlorotoluene	<1.0	ug/L	1.0	1		03/05/19 20:59	106-43-4	L1
Dibromochloromethane	<1.0	ug/L	1.0	1		03/05/19 20:59	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		03/05/19 20:59	106-93-4	L1
Dibromomethane	<1.0	ug/L	1.0	1		03/05/19 20:59	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		03/05/19 20:59	110-57-6	L1
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		03/05/19 20:59	75-71-8	IL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/05/19 20:59	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/05/19 20:59	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/05/19 20:59	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/05/19 20:59	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		03/05/19 20:59	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 20:59	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 20:59	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		03/05/19 20:59	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 2/28

Pace Project No.: 7080975

Sample: EFFLUENT #1		Lab ID: 7080975003		Collected: 02/28/19 16:18		Received: 02/28/19 17:05		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		03/05/19 20:59	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/05/19 20:59	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/05/19 20:59	10061-02-6	L1	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	105-05-5	N3	
Ethanol	<250	ug/L	250	1		03/05/19 20:59	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		03/05/19 20:59	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/05/19 20:59	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		03/05/19 20:59	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		03/05/19 20:59	99-87-6	L1	
Methylene Chloride	<1.0	ug/L	1.0	1		03/05/19 20:59	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/05/19 20:59	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	103-65-1		
Styrene	<1.0	ug/L	1.0	1		03/05/19 20:59	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/05/19 20:59	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/05/19 20:59	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		03/05/19 20:59	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	95-93-2	L1,N3	
Toluene	<1.0	ug/L	1.0	1		03/05/19 20:59	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		03/05/19 20:59	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/05/19 20:59	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		03/05/19 20:59	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		03/05/19 20:59	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		03/05/19 20:59	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		03/05/19 20:59	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		03/05/19 20:59	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	68-153	1		03/05/19 20:59	17060-07-0		
4-Bromofluorobenzene (S)	104	%	79-124	1		03/05/19 20:59	460-00-4		
Toluene-d8 (S)	103	%	69-124	1		03/05/19 20:59	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	114	mg/L	10.0	1		03/04/19 17:01			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

QC Batch:	104021	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	7080975001, 7080975002, 7080975003		

METHOD BLANK: 481075 Matrix: Water

Associated Lab Samples: 7080975001, 7080975002, 7080975003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	03/06/19 00:24	
Iron, Dissolved	ug/L	<20.0	20.0	03/06/19 00:24	
Manganese, Dissolved	ug/L	<10.0	10.0	03/06/19 00:24	
Zinc, Dissolved	ug/L	<20.0	20.0	03/06/19 00:24	

LABORATORY CONTROL SAMPLE: 481076

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	1990	99	85-115	
Manganese, Dissolved	ug/L	250	254	102	85-115	
Zinc, Dissolved	ug/L	1000	997	100	85-115	

MATRIX SPIKE SAMPLE: 481079

Parameter	Units	7080450002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	51.3	103	70-130	
Iron, Dissolved	ug/L	616	2000	2740	106	70-130	
Manganese, Dissolved	ug/L	16.4	250	279	105	70-130	
Zinc, Dissolved	ug/L	21.7	1000	1050	103	70-130	

SAMPLE DUPLICATE: 481078

Parameter	Units	7080450002 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	616	617	0	
Manganese, Dissolved	ug/L	16.4	16.3	1	
Zinc, Dissolved	ug/L	21.7	21.3	1	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

QC Batch: 103833 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7080975001, 7080975002, 7080975003

METHOD BLANK: 480223 Matrix: Water

Associated Lab Samples: 7080975001, 7080975002, 7080975003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	03/05/19 00:06	
Iron	ug/L	<100	100	03/05/19 00:06	
Manganese	ug/L	<10.0	10.0	03/05/19 00:06	
Zinc	ug/L	<20.0	20.0	03/05/19 00:06	

LABORATORY CONTROL SAMPLE: 480224

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	56.2	112	85-115	
Iron	ug/L	2000	2200	110	85-115	
Manganese	ug/L	250	278	111	85-115	
Zinc	ug/L	1000	1060	106	85-115	

MATRIX SPIKE SAMPLE: 480226

Parameter	Units	7080594001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	55.8	112	70-130	
Iron	ug/L	1230	2000	3370	107	70-130	
Manganese	ug/L	468	250	749	112	70-130	
Zinc	ug/L	<20.0	1000	1090	108	70-130	

SAMPLE DUPLICATE: 480225

Parameter	Units	7080594001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	1230	1230	0	
Manganese	ug/L	468	465	1	
Zinc	ug/L	<20.0	<20.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

QC Batch:	104189	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	7080975001, 7080975002, 7080975003		

METHOD BLANK: 481788 Matrix: Water

Associated Lab Samples: 7080975001, 7080975002, 7080975003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	03/05/19 16:35	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/05/19 16:35	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/05/19 16:35	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/05/19 16:35	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/05/19 16:35	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/05/19 16:35	
1,1-Dichloropropene	ug/L	<1.0	1.0	03/05/19 16:35	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	03/05/19 16:35	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	03/05/19 16:35	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	03/05/19 16:35	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/05/19 16:35	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/05/19 16:35	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	03/05/19 16:35	
1,3-Dichloropropane	ug/L	<1.0	1.0	03/05/19 16:35	
1,4-Diethylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	03/05/19 16:35	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/05/19 16:35	IL
2-Chlorotoluene	ug/L	<1.0	1.0	03/05/19 16:35	
2-Hexanone	ug/L	<5.0	5.0	03/05/19 16:35	
4-Chlorotoluene	ug/L	<1.0	1.0	03/05/19 16:35	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/05/19 16:35	
Acetone	ug/L	<5.0	5.0	03/05/19 16:35	
Benzene	ug/L	<1.0	1.0	03/05/19 16:35	
Bromobenzene	ug/L	<1.0	1.0	03/05/19 16:35	
Bromochloromethane	ug/L	<1.0	1.0	03/05/19 16:35	
Bromodichloromethane	ug/L	<1.0	1.0	03/05/19 16:35	
Bromoform	ug/L	<1.0	1.0	03/05/19 16:35	
Bromomethane	ug/L	<1.0	1.0	03/05/19 16:35	
Carbon disulfide	ug/L	<1.0	1.0	03/05/19 16:35	
Carbon tetrachloride	ug/L	<1.0	1.0	03/05/19 16:35	
Chlorobenzene	ug/L	<1.0	1.0	03/05/19 16:35	
Chlorodifluoromethane	ug/L	<1.0	1.0	03/05/19 16:35	N3
Chloroethane	ug/L	<1.0	1.0	03/05/19 16:35	
Chloroform	ug/L	<1.0	1.0	03/05/19 16:35	
Chloromethane	ug/L	<1.0	1.0	03/05/19 16:35	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	03/05/19 16:35	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/05/19 16:35	
Dibromochloromethane	ug/L	<1.0	1.0	03/05/19 16:35	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

METHOD BLANK: 481788

Matrix: Water

Associated Lab Samples: 7080975001, 7080975002, 7080975003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	03/05/19 16:35	IL
Dichlorodifluoromethane	ug/L	<1.0	1.0	03/05/19 16:35	
Ethanol	ug/L	<250	250	03/05/19 16:35	
Ethylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	03/05/19 16:35	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	03/05/19 16:35	
Methylene Chloride	ug/L	<1.0	1.0	03/05/19 16:35	
n-Butylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	
n-Propylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	
p-Isopropyltoluene	ug/L	<1.0	1.0	03/05/19 16:35	
sec-Butylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	
Styrene	ug/L	<1.0	1.0	03/05/19 16:35	
tert-Butylbenzene	ug/L	<1.0	1.0	03/05/19 16:35	
Tetrachloroethene	ug/L	<1.0	1.0	03/05/19 16:35	
Toluene	ug/L	<1.0	1.0	03/05/19 16:35	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	03/05/19 16:35	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/05/19 16:35	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	03/05/19 16:35	
Trichloroethene	ug/L	<1.0	1.0	03/05/19 16:35	
Vinyl chloride	ug/L	<1.0	1.0	03/05/19 16:35	
Xylene (Total)	ug/L	<3.0	3.0	03/05/19 16:35	
1,2-Dichloroethane-d4 (S)	%	94	68-153	03/05/19 16:35	
4-Bromofluorobenzene (S)	%	102	79-124	03/05/19 16:35	
Toluene-d8 (S)	%	101	69-124	03/05/19 16:35	

LABORATORY CONTROL SAMPLE: 481789

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	48.8	98	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	56.1	112	74-121	
1,1,2-Trichloroethane	ug/L	50	55.4	111	80-117	
1,1-Dichloroethane	ug/L	50	48.8	98	83-151	
1,1-Dichloroethene	ug/L	50	50.4	101	45-146	
1,1-Dichloropropene	ug/L	50	46.8	94	59-127	
1,2,3-Trichlorobenzene	ug/L	50	46.0	92	67-103	
1,2,3-Trichloropropane	ug/L	50	57.8	116	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	53.6	107	66-103	L1,N3
1,2,4-Trimethylbenzene	ug/L	50	53.9	108	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	58.7	117	83-115	L1
1,2-Dichloroethane	ug/L	50	49.2	98	74-129	
1,2-Dichloropropane	ug/L	50	52.5	105	75-117	
1,3,5-Trimethylbenzene	ug/L	50	53.1	106	67-116	
1,3-Dichlorobenzene	ug/L	50	54.6	109	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

LABORATORY CONTROL SAMPLE: 481789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	53.0	106	74-112	
1,4-Diethylbenzene	ug/L	50	51.4	103	56-130	N3
2,2-Dichloropropane	ug/L	50	52.0	104	63-133	
2-Butanone (MEK)	ug/L	50	48.0	96	44-162	IL
2-Chlorotoluene	ug/L	50	53.5	107	74-101	L1
2-Hexanone	ug/L	50	52.5	105	32-183	
4-Chlorotoluene	ug/L	50	54.5	109	74-101	L1
4-Methyl-2-pentanone (MIBK)	ug/L	50	55.3	111	69-132	
Acetone	ug/L	50	52.7	105	23-188	CH
Benzene	ug/L	50	48.4	97	73-119	
Bromobenzene	ug/L	50	58.6	117	72-102	L1
Bromochloromethane	ug/L	50	50.6	101	81-116	
Bromodichloromethane	ug/L	50	50.1	100	78-117	
Bromoform	ug/L	50	54.5	109	65-122	
Bromomethane	ug/L	50	45.0	90	52-147	
Carbon disulfide	ug/L	50	44.7	89	41-144	
Carbon tetrachloride	ug/L	50	47.0	94	59-120	
Chlorobenzene	ug/L	50	54.1	108	75-113	
Chlorodifluoromethane	ug/L	50	41.1	82	43-140	N3
Chloroethane	ug/L	50	44.0	88	49-151	
Chloroform	ug/L	50	48.3	97	72-122	
Chloromethane	ug/L	50	35.3	71	46-144	
cis-1,2-Dichloroethene	ug/L	50	50.5	101	72-121	
cis-1,3-Dichloropropene	ug/L	50	56.7	113	78-116	
Dibromochloromethane	ug/L	50	53.7	107	70-120	
Dibromomethane	ug/L	50	50.8	102	75-125	
Dichlorodifluoromethane	ug/L	50	35.3	71	22-154	IL
Ethanol	ug/L	1250	612	49	10-151	CH, IH
Ethylbenzene	ug/L	50	52.5	105	70-113	
Hexachloro-1,3-butadiene	ug/L	50	46.2	92	59-121	
Isopropylbenzene (Cumene)	ug/L	50	55.3	111	67-115	
Methylene Chloride	ug/L	50	49.8	100	61-142	
n-Butylbenzene	ug/L	50	48.9	98	73-107	
n-Propylbenzene	ug/L	50	53.0	106	68-116	
p-Isopropyltoluene	ug/L	50	51.3	103	73-101	L1
sec-Butylbenzene	ug/L	50	50.0	100	72-103	
Styrene	ug/L	50	54.9	110	72-118	
tert-Butylbenzene	ug/L	50	50.9	102	68-100	L1
Tetrachloroethene	ug/L	50	51.0	102	60-128	
Toluene	ug/L	50	50.1	100	72-119	
trans-1,2-Dichloroethene	ug/L	50	50.3	101	56-142	
trans-1,3-Dichloropropene	ug/L	50	60.9	122	79-116	L1
trans-1,4-Dichloro-2-butene	ug/L	50	61.3	123	71-121	L1
Trichloroethene	ug/L	50	52.4	105	69-117	
Vinyl chloride	ug/L	50	39.2	78	43-143	
Xylene (Total)	ug/L	150	157	105	71-109	
1,2-Dichloroethane-d4 (S)	%			93	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

LABORATORY CONTROL SAMPLE: 481789

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			105	79-124	
Toluene-d8 (S)	%			100	69-124	

MATRIX SPIKE SAMPLE: 482151

Parameter	Units	2097473004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50.6	101	74-113	
1,1,1-Trichloroethane	ug/L	ND	50	49.4	99	65-118	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	53.1	106	74-121	
1,1,2-Trichloroethane	ug/L	ND	50	51.1	102	80-117	
1,1-Dichloroethane	ug/L	ND	50	49.1	98	83-151	
1,1-Dichloroethene	ug/L	ND	50	54.0	108	45-146	
1,1-Dichloropropene	ug/L	ND	50	47.6	95	59-127	
1,2,3-Trichlorobenzene	ug/L	ND	50	41.5	83	67-103	
1,2,3-Trichloropropane	ug/L	ND	50	54.3	109	71-123	
1,2,4,5-tetramethylbenzene	ug/L	ND	50	47.7	95	66-103	N3
1,2,4-Trimethylbenzene	ug/L	ND	50	51.2	102	68-116	
1,2-Dibromoethane (EDB)	ug/L	ND	50	53.6	107	83-115	
1,2-Dichloroethane	ug/L	ND	50	47.0	94	74-129	
1,2-Dichloropropane	ug/L	ND	50	49.5	99	75-117	
1,3,5-Trimethylbenzene	ug/L	ND	50	50.6	101	67-116	
1,3-Dichlorobenzene	ug/L	ND	50	51.6	103	71-112	
1,3-Dichloropropane	ug/L	ND	50	50.2	100	74-112	
1,4-Diethylbenzene	ug/L	ND	50	48.4	97	56-130	N3
2,2-Dichloropropane	ug/L	ND	50	46.6	93	63-133	
2-Butanone (MEK)	ug/L	ND	50	43.0	83	44-162	IL
2-Chlorotoluene	ug/L	ND	50	51.2	102	74-101	M0
2-Hexanone	ug/L	ND	50	47.3	95	32-183	
4-Chlorotoluene	ug/L	ND	50	51.2	102	74-101	M0
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	50.4	101	69-132	
Acetone	ug/L	7.9	50	50.5	85	23-188	CH
Benzene	ug/L	ND	50	47.9	96	73-119	
Bromobenzene	ug/L	ND	50	54.9	110	72-102	M0
Bromochloromethane	ug/L	ND	50	48.4	97	81-116	
Bromodichloromethane	ug/L	ND	50	47.3	95	78-117	
Bromoform	ug/L	ND	50	51.0	102	65-122	
Bromomethane	ug/L	ND	50	50.8	102	52-147	
Carbon disulfide	ug/L	ND	50	49.1	98	41-144	
Carbon tetrachloride	ug/L	ND	50	48.5	97	59-120	
Chlorobenzene	ug/L	ND	50	51.9	104	75-113	
Chlorodifluoromethane	ug/L	ND	50	49.8	100	43-140	N3
Chloroethane	ug/L	ND	50	51.4	103	49-151	
Chloroform	ug/L	ND	50	47.1	94	72-122	
Chloromethane	ug/L	ND	50	44.1	88	46-144	
cis-1,2-Dichloroethene	ug/L	ND	50	49.8	100	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

MATRIX SPIKE SAMPLE: 482151		2097473004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	50	50.8	102	78-116	
Dibromochloromethane	ug/L	ND	50	50.0	100	70-120	
Dibromomethane	ug/L	ND	50	48.5	97	75-125	
Dichlorodifluoromethane	ug/L	ND	50	53.9	108	22-154	IL
Ethanol	ug/L	ND	1250	398	32	10-151	CH,IH
Ethylbenzene	ug/L	ND	50	51.1	102	70-113	
Hexachloro-1,3-butadiene	ug/L	ND	50	42.3	85	59-121	
Isopropylbenzene (Cumene)	ug/L	ND	50	53.2	106	67-115	
Methylene Chloride	ug/L	ND	50	49.7	99	61-142	
n-Butylbenzene	ug/L	ND	50	45.3	91	73-107	
n-Propylbenzene	ug/L	ND	50	50.6	101	68-116	
p-Isopropyltoluene	ug/L	ND	50	48.5	97	73-101	
sec-Butylbenzene	ug/L	ND	50	47.5	95	72-103	
Styrene	ug/L	ND	50	51.9	104	72-118	
tert-Butylbenzene	ug/L	ND	50	48.7	97	68-100	
Tetrachloroethene	ug/L	ND	50	50.3	101	60-128	
Toluene	ug/L	ND	50	49.1	98	72-119	
trans-1,2-Dichloroethene	ug/L	ND	50	51.8	104	56-142	
trans-1,3-Dichloropropene	ug/L	ND	50	54.1	108	79-116	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	55.2	110	71-121	
Trichloroethene	ug/L	ND	50	52.1	104	69-117	
Vinyl chloride	ug/L	ND	50	47.3	95	43-143	
Xylene (Total)	ug/L	ND	150	151	101	71-109	
1,2-Dichloroethane-d4 (S)	%				96	68-153	
4-Bromofluorobenzene (S)	%				105	79-124	
Toluene-d8 (S)	%				102	69-124	

SAMPLE DUPLICATE: 482152

Parameter	Units	7080975003	Dup	RPD	Qualifiers
		Result	Result		
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		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

SAMPLE DUPLICATE: 482152

Parameter	Units	7080975003 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		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	<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		IL
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	<3.0	<3.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

SAMPLE DUPLICATE: 482152

Parameter	Units	7080975003 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	95	95	1	
4-Bromofluorobenzene (S)	%	104	104	0	
Toluene-d8 (S)	%	103	101	2	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 2/28

Pace Project No.: 7080975

QC Batch:	103980	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	7080975001, 7080975002, 7080975003		

METHOD BLANK: 480907 Matrix: Water

Associated Lab Samples: 7080975001, 7080975002, 7080975003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	03/04/19 16:51	

LABORATORY CONTROL SAMPLE: 480908

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	516	103	85-115	

MATRIX SPIKE SAMPLE: 480910

Parameter	Units	7080917003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	139	300	434	98	75-125	

MATRIX SPIKE SAMPLE: 480912

Parameter	Units	7080975002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	117	300	426	103	75-125	

SAMPLE DUPLICATE: 480909

Parameter	Units	7080917003 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	139	135	3	

SAMPLE DUPLICATE: 480911

Parameter	Units	7080975002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	117	121	3	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 2/28

Pace Project No.: 7080975

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
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.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 2/28

Pace Project No.: 7080975

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7080975001	INFLUENT #1	EPA 200.7	103833	EPA 200.7	103838
7080975002	INFLUENT #2	EPA 200.7	103833	EPA 200.7	103838
7080975003	EFFLUENT #1	EPA 200.7	103833	EPA 200.7	103838
7080975001	INFLUENT #1	EPA 200.7	104021		
7080975002	INFLUENT #2	EPA 200.7	104021		
7080975003	EFFLUENT #1	EPA 200.7	104021		
7080975001	INFLUENT #1	EPA 8260C/5030C	104189		
7080975002	INFLUENT #2	EPA 8260C/5030C	104189		
7080975003	EFFLUENT #1	EPA 8260C/5030C	104189		
7080975001	INFLUENT #1	SM22 2540C	103980		
7080975002	INFLUENT #2	SM22 2540C	103980		
7080975003	EFFLUENT #1	SM22 2540C	103980		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Sample Condition Upon Receipt

Client Name:

FAIR

Project

WO#: 7080975

PM: JDS Due Date: 03/12/19

CLIENT: FAIR

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

Tracking #:

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

Temperature Blank Present: ☐ Yes ☒ No

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

Type of Ice: Wet Blue None

Thermometer Used: TH091

Correction Factor:

0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C):

5.8

Cooler Temperature Corrected (°C):

5.8

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:

WJ 2/28/19

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 originate 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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot #	HC857466	Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	☒ Yes ☐ No ☐ N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added:
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		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:

April 09, 2019

Jason Fellows
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

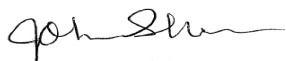
RE: Project: MONTHLY-3/29
Pace Project No.: 7083914

Dear Jason Fellows:

Enclosed are the analytical results for sample(s) received by the laboratory on March 29, 2019. 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: Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY-3/29

Pace Project No.: 7083914

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY-3/29

Pace Project No.: 7083914

Sample: INFLUENT #1	Lab ID: 7083914001	Collected: 03/29/19 15:20	Received: 03/29/19 15:58	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	04/01/19 13:24	04/01/19 22:57	7440-41-7	
Iron	807	ug/L	100	1	04/01/19 13:24	04/01/19 22:57	7439-89-6	
Manganese	89.3	ug/L	10.0	1	04/01/19 13:24	04/01/19 22:57	7439-96-5	
Zinc	35.6	ug/L	20.0	1	04/01/19 13:24	04/01/19 22:57	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		04/07/19 14:11	7440-41-7	
Iron, Dissolved	742	ug/L	20.0	1		04/07/19 14:11	7439-89-6	
Manganese, Dissolved	86.4	ug/L	10.0	1		04/07/19 14:11	7439-96-5	
Zinc, Dissolved	33.2	ug/L	20.0	1		04/07/19 14:11	7440-66-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		04/08/19 13:54	67-64-1	
Benzene	1.6	ug/L	1.0	1		04/08/19 13:54	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		04/08/19 13:54	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		04/08/19 13:54	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		04/08/19 13:54	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		04/08/19 13:54	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/08/19 13:54	78-93-3	CL
n-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		04/08/19 13:54	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/08/19 13:54	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		04/08/19 13:54	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		04/08/19 13:54	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		04/08/19 13:54	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		04/08/19 13:54	74-87-3	CL
2-Chlorotoluene	<1.0	ug/L	1.0	1		04/08/19 13:54	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		04/08/19 13:54	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	1		04/08/19 13:54	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/08/19 13:54	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		04/08/19 13:54	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		04/08/19 13:54	110-57-6	CL
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/08/19 13:54	75-71-8	
1,1-Dichloroethane	14.7	ug/L	1.0	1		04/08/19 13:54	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:54	107-06-2	
1,1-Dichloroethene	6.3	ug/L	1.0	1		04/08/19 13:54	75-35-4	
cis-1,2-Dichloroethene	187	ug/L	10.0	10		04/08/19 14:19	156-59-2	
trans-1,2-Dichloroethene	1.8	ug/L	1.0	1		04/08/19 13:54	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:54	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:54	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:54	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY-3/29

Pace Project No.: 7083914

Sample: INFLUENT #1		Lab ID: 7083914001		Collected: 03/29/19 15:20		Received: 03/29/19 15:58		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		04/08/19 13:54	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/08/19 13:54	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/08/19 13:54	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	105-05-5	N3	
Ethanol	<250	ug/L	250	1		04/08/19 13:54	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		04/08/19 13:54	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		04/08/19 13:54	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/08/19 13:54	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		04/08/19 13:54	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		04/08/19 13:54	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/08/19 13:54	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	103-65-1		
Styrene	<1.0	ug/L	1.0	1		04/08/19 13:54	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/08/19 13:54	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/08/19 13:54	79-34-5	CL	
Tetrachloroethene	513	ug/L	10.0	10		04/08/19 14:19	127-18-4	CL	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		04/08/19 13:54	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	87-61-6	CL	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:54	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:54	79-00-5		
Trichloroethene	104	ug/L	1.0	1		04/08/19 13:54	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:54	96-18-4	CL	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:54	108-67-8		
Vinyl chloride	22.9	ug/L	1.0	1		04/08/19 13:54	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		04/08/19 13:54	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	98	%	68-153	1		04/08/19 13:54	17060-07-0		
4-Bromofluorobenzene (S)	95	%	79-124	1		04/08/19 13:54	460-00-4		
Toluene-d8 (S)	91	%	69-124	1		04/08/19 13:54	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	117	mg/L	10.0	1		04/02/19 12:58			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY-3/29

Pace Project No.: 7083914

Sample: INFLUENT #2		Lab ID: 7083914002		Collected: 03/29/19 15:30		Received: 03/29/19 15:58		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	04/01/19 13:24	04/01/19 23:25	7440-41-7		
Iron	793	ug/L	100	1	04/01/19 13:24	04/01/19 23:25	7439-89-6		
Manganese	90.1	ug/L	10.0	1	04/01/19 13:24	04/01/19 23:25	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	04/01/19 13:24	04/01/19 23:25	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		04/07/19 14:32	7440-41-7		
Iron, Dissolved	403	ug/L	20.0	1		04/07/19 14:32	7439-89-6		
Manganese, Dissolved	78.8	ug/L	10.0	1		04/07/19 14:32	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		04/07/19 14:32	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		04/08/19 13:33	67-64-1		
Benzene	<1.0	ug/L	1.0	1		04/08/19 13:33	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		04/08/19 13:33	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		04/08/19 13:33	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		04/08/19 13:33	75-25-2	M1	
Bromomethane	<1.0	ug/L	1.0	1		04/08/19 13:33	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/08/19 13:33	78-93-3	CL	
n-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		04/08/19 13:33	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/08/19 13:33	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	108-90-7	M1	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		04/08/19 13:33	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		04/08/19 13:33	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		04/08/19 13:33	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		04/08/19 13:33	74-87-3	CL	
2-Chlorotoluene	<1.0	ug/L	1.0	1		04/08/19 13:33	95-49-8	M1	
4-Chlorotoluene	<1.0	ug/L	1.0	1		04/08/19 13:33	106-43-4	M1	
Dibromochloromethane	<1.0	ug/L	1.0	1		04/08/19 13:33	124-48-1	M1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/08/19 13:33	106-93-4	M1	
Dibromomethane	<1.0	ug/L	1.0	1		04/08/19 13:33	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		04/08/19 13:33	110-57-6	CL,M1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/08/19 13:33	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:33	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:33	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/08/19 13:33	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/08/19 13:33	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/08/19 13:33	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:33	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:33	142-28-9	M1	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:33	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY-3/29

Pace Project No.: 7083914

Sample: INFLUENT #2		Lab ID: 7083914002	Collected: 03/29/19 15:30	Received: 03/29/19 15:58	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		04/08/19 13:33	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/08/19 13:33	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/08/19 13:33	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	105-05-5	N3
Ethanol	<250	ug/L	250	1		04/08/19 13:33	64-17-5	CH
Ethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		04/08/19 13:33	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		04/08/19 13:33	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/08/19 13:33	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		04/08/19 13:33	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		04/08/19 13:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/08/19 13:33	108-10-1	M1
n-Propylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	103-65-1	
Styrene	<1.0	ug/L	1.0	1		04/08/19 13:33	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/08/19 13:33	630-20-6	M1
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/08/19 13:33	79-34-5	CL,M1
Tetrachloroethene	<1.0	ug/L	1.0	1		04/08/19 13:33	127-18-4	CL
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	95-93-2	N3
Toluene	<1.0	ug/L	1.0	1		04/08/19 13:33	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	87-61-6	CL,M1
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:33	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:33	79-00-5	M1
Trichloroethene	<1.0	ug/L	1.0	1		04/08/19 13:33	79-01-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:33	96-18-4	CL,M1
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:33	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		04/08/19 13:33	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		04/08/19 13:33	1330-20-7	MS
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	68-153	1		04/08/19 13:33	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124	1		04/08/19 13:33	460-00-4	
Toluene-d8 (S)	89	%	69-124	1		04/08/19 13:33	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	113	mg/L	10.0	1		04/02/19 12:59		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY-3/29

Pace Project No.: 7083914

Sample: EFFLUENT #1		Lab ID: 7083914003		Collected: 03/29/19 15:40		Received: 03/29/19 15:58		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	04/01/19 13:24	04/01/19 23:30	7440-41-7		
Iron	750	ug/L	100	1	04/01/19 13:24	04/01/19 23:30	7439-89-6		
Manganese	89.7	ug/L	10.0	1	04/01/19 13:24	04/01/19 23:30	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	04/01/19 13:24	04/01/19 23:30	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		04/07/19 14:38	7440-41-7		
Iron, Dissolved	549	ug/L	20.0	1		04/07/19 14:38	7439-89-6		
Manganese, Dissolved	84.8	ug/L	10.0	1		04/07/19 14:38	7439-96-5		
Zinc, Dissolved	24.3	ug/L	20.0	1		04/07/19 14:38	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		04/08/19 13:12	67-64-1		
Benzene	<1.0	ug/L	1.0	1		04/08/19 13:12	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		04/08/19 13:12	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		04/08/19 13:12	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		04/08/19 13:12	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		04/08/19 13:12	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/08/19 13:12	78-93-3	CL	
n-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		04/08/19 13:12	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/08/19 13:12	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		04/08/19 13:12	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		04/08/19 13:12	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		04/08/19 13:12	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		04/08/19 13:12	74-87-3	CL	
2-Chlorotoluene	<1.0	ug/L	1.0	1		04/08/19 13:12	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		04/08/19 13:12	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		04/08/19 13:12	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		04/08/19 13:12	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		04/08/19 13:12	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		04/08/19 13:12	110-57-6	CL	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		04/08/19 13:12	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:12	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:12	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/08/19 13:12	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/08/19 13:12	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		04/08/19 13:12	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:12	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:12	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:12	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY-3/29

Pace Project No.: 7083914

Sample: EFFLUENT #1		Lab ID: 7083914003		Collected: 03/29/19 15:40		Received: 03/29/19 15:58		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		04/08/19 13:12	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/08/19 13:12	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/08/19 13:12	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	105-05-5	N3	
Ethanol	<250	ug/L	250	1		04/08/19 13:12	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		04/08/19 13:12	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		04/08/19 13:12	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		04/08/19 13:12	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		04/08/19 13:12	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		04/08/19 13:12	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/08/19 13:12	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	103-65-1		
Styrene	<1.0	ug/L	1.0	1		04/08/19 13:12	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/08/19 13:12	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/08/19 13:12	79-34-5	CL	
Tetrachloroethene	<1.0	ug/L	1.0	1		04/08/19 13:12	127-18-4	CL	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		04/08/19 13:12	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	87-61-6	CL	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:12	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/08/19 13:12	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		04/08/19 13:12	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		04/08/19 13:12	96-18-4	CL	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		04/08/19 13:12	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		04/08/19 13:12	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		04/08/19 13:12	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	68-153	1		04/08/19 13:12	17060-07-0		
4-Bromofluorobenzene (S)	96	%	79-124	1		04/08/19 13:12	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		04/08/19 13:12	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	115	mg/L	10.0	1		04/02/19 12:59			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

QC Batch:	107883	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	7083914001, 7083914002, 7083914003		

METHOD BLANK: 499487 Matrix: Water

Associated Lab Samples: 7083914001, 7083914002, 7083914003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	04/07/19 14:00	
Iron, Dissolved	ug/L	<20.0	20.0	04/07/19 14:00	
Manganese, Dissolved	ug/L	<10.0	10.0	04/07/19 14:00	
Zinc, Dissolved	ug/L	<20.0	20.0	04/07/19 14:00	

LABORATORY CONTROL SAMPLE: 499488

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	51.9	104	85-115	
Iron, Dissolved	ug/L	2000	1980	99	85-115	
Manganese, Dissolved	ug/L	250	259	104	85-115	
Zinc, Dissolved	ug/L	1000	1000	100	85-115	

MATRIX SPIKE SAMPLE: 499491

Parameter	Units	7083914001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	50.8	102	70-130	
Iron, Dissolved	ug/L	742	2000	2730	99	70-130	
Manganese, Dissolved	ug/L	86.4	250	334	99	70-130	
Zinc, Dissolved	ug/L	33.2	1000	1030	100	70-130	

SAMPLE DUPLICATE: 499490

Parameter	Units	7083914001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	742	749	1	
Manganese, Dissolved	ug/L	86.4	85.3	1	
Zinc, Dissolved	ug/L	33.2	32.4	2	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

QC Batch: 107547 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7083914001, 7083914002, 7083914003

METHOD BLANK: 497685 Matrix: Water

Associated Lab Samples: 7083914001, 7083914002, 7083914003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	04/01/19 22:45	
Iron	ug/L	<100	100	04/01/19 22:45	
Manganese	ug/L	<10.0	10.0	04/01/19 22:45	
Zinc	ug/L	<20.0	20.0	04/01/19 22:45	

LABORATORY CONTROL SAMPLE: 497686

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	50.6	101	85-115	
Iron	ug/L	2000	1960	98	85-115	
Manganese	ug/L	250	262	105	85-115	
Zinc	ug/L	1000	998	100	85-115	

MATRIX SPIKE SAMPLE: 497688

Parameter	Units	7083914001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	55.8	111	70-130	
Iron	ug/L	807	2000	2920	106	70-130	
Manganese	ug/L	89.3	250	364	110	70-130	
Zinc	ug/L	35.6	1000	1080	105	70-130	

SAMPLE DUPLICATE: 497687

Parameter	Units	7083914001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	807	817	1	
Manganese	ug/L	89.3	91.0	2	
Zinc	ug/L	35.6	35.5	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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

QC Batch:	108634	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	7083914001, 7083914002, 7083914003		

METHOD BLANK: 503408 Matrix: Water

Associated Lab Samples: 7083914001, 7083914002, 7083914003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	04/08/19 11:50	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/08/19 11:50	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/08/19 11:50	CL
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/08/19 11:50	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/08/19 11:50	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/08/19 11:50	
1,1-Dichloropropene	ug/L	<1.0	1.0	04/08/19 11:50	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	04/08/19 11:50	CL
1,2,3-Trichloropropane	ug/L	<1.0	1.0	04/08/19 11:50	CL
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	04/08/19 11:50	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/08/19 11:50	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/08/19 11:50	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/08/19 11:50	
1,3-Dichloropropane	ug/L	<1.0	1.0	04/08/19 11:50	
1,4-Diethylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	04/08/19 11:50	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/08/19 11:50	CL
2-Chlorotoluene	ug/L	<1.0	1.0	04/08/19 11:50	
2-Hexanone	ug/L	<5.0	5.0	04/08/19 11:50	
4-Chlorotoluene	ug/L	<1.0	1.0	04/08/19 11:50	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/08/19 11:50	
Acetone	ug/L	<5.0	5.0	04/08/19 11:50	
Benzene	ug/L	<1.0	1.0	04/08/19 11:50	
Bromobenzene	ug/L	<1.0	1.0	04/08/19 11:50	
Bromochloromethane	ug/L	<1.0	1.0	04/08/19 11:50	
Bromodichloromethane	ug/L	<1.0	1.0	04/08/19 11:50	
Bromoform	ug/L	<1.0	1.0	04/08/19 11:50	
Bromomethane	ug/L	<1.0	1.0	04/08/19 11:50	
Carbon disulfide	ug/L	<1.0	1.0	04/08/19 11:50	
Carbon tetrachloride	ug/L	<1.0	1.0	04/08/19 11:50	
Chlorobenzene	ug/L	<1.0	1.0	04/08/19 11:50	
Chlorodifluoromethane	ug/L	<1.0	1.0	04/08/19 11:50	N3
Chloroethane	ug/L	<1.0	1.0	04/08/19 11:50	
Chloroform	ug/L	<1.0	1.0	04/08/19 11:50	
Chloromethane	ug/L	<1.0	1.0	04/08/19 11:50	CL
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	04/08/19 11:50	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/08/19 11:50	
Dibromochloromethane	ug/L	<1.0	1.0	04/08/19 11:50	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

METHOD BLANK: 503408

Matrix: Water

Associated Lab Samples: 7083914001, 7083914002, 7083914003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	04/08/19 11:50	
Dichlorodifluoromethane	ug/L	<1.0	1.0	04/08/19 11:50	
Ethanol	ug/L	<250	250	04/08/19 11:50	
Ethylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	04/08/19 11:50	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	04/08/19 11:50	
Methylene Chloride	ug/L	<1.0	1.0	04/08/19 11:50	
n-Butylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	
n-Propylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	
p-Isopropyltoluene	ug/L	<1.0	1.0	04/08/19 11:50	
sec-Butylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	
Styrene	ug/L	<1.0	1.0	04/08/19 11:50	
tert-Butylbenzene	ug/L	<1.0	1.0	04/08/19 11:50	
Tetrachloroethene	ug/L	<1.0	1.0	04/08/19 11:50	CL
Toluene	ug/L	<1.0	1.0	04/08/19 11:50	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	04/08/19 11:50	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/08/19 11:50	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	04/08/19 11:50	CL
Trichloroethene	ug/L	<1.0	1.0	04/08/19 11:50	
Vinyl chloride	ug/L	<1.0	1.0	04/08/19 11:50	
Xylene (Total)	ug/L	<3.0	3.0	04/08/19 11:50	
1,2-Dichloroethane-d4 (S)	%	93	68-153	04/08/19 11:50	
4-Bromofluorobenzene (S)	%	90	79-124	04/08/19 11:50	
Toluene-d8 (S)	%	90	69-124	04/08/19 11:50	

LABORATORY CONTROL SAMPLE: 503409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	44.8	90	74-113	
1,1,1-Trichloroethane	ug/L	50	48.3	97	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	40.3	81	74-121	CL
1,1,2-Trichloroethane	ug/L	50	48.3	97	80-117	
1,1-Dichloroethane	ug/L	50	48.6	97	83-151	
1,1-Dichloroethene	ug/L	50	44.1	88	45-146	
1,1-Dichloropropene	ug/L	50	46.8	94	59-127	
1,2,3-Trichlorobenzene	ug/L	50	35.1	70	67-103	CL
1,2,3-Trichloropropane	ug/L	50	41.3	83	71-123	CL
1,2,4,5-tetramethylbenzene	ug/L	50	43.4	87	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	46.9	94	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	46.7	93	83-115	
1,2-Dichloroethane	ug/L	50	48.4	97	74-129	
1,2-Dichloropropane	ug/L	50	45.7	91	75-117	
1,3,5-Trimethylbenzene	ug/L	50	43.9	88	67-116	
1,3-Dichlorobenzene	ug/L	50	46.5	93	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

LABORATORY CONTROL SAMPLE: 503409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	44.0	88	74-112	
1,4-Diethylbenzene	ug/L	50	45.9	92	56-130	N3
2,2-Dichloropropane	ug/L	50	49.3	99	63-133	
2-Butanone (MEK)	ug/L	50	46.4	93	44-162	CL
2-Chlorotoluene	ug/L	50	46.8	94	74-101	
2-Hexanone	ug/L	50	46.0	92	32-183	
4-Chlorotoluene	ug/L	50	46.2	92	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	41.2	82	69-132	
Acetone	ug/L	50	61.8	124	23-188	
Benzene	ug/L	50	49.1	98	73-119	
Bromobenzene	ug/L	50	45.9	92	72-102	
Bromochloromethane	ug/L	50	48.4	97	81-116	
Bromodichloromethane	ug/L	50	50.2	100	78-117	
Bromoform	ug/L	50	41.6	83	65-122	
Bromomethane	ug/L	50	46.6	93	52-147	
Carbon disulfide	ug/L	50	46.7	93	41-144	
Carbon tetrachloride	ug/L	50	46.1	92	59-120	
Chlorobenzene	ug/L	50	44.6	89	75-113	
Chlorodifluoromethane	ug/L	50	42.1	84	43-140	N3
Chloroethane	ug/L	50	48.4	97	49-151	
Chloroform	ug/L	50	49.2	98	72-122	
Chloromethane	ug/L	50	35.8	72	46-144	CL
cis-1,2-Dichloroethene	ug/L	50	51.4	103	72-121	
cis-1,3-Dichloropropene	ug/L	50	48.7	97	78-116	
Dibromochloromethane	ug/L	50	44.5	89	70-120	
Dibromomethane	ug/L	50	50.0	100	75-125	
Dichlorodifluoromethane	ug/L	50	41.7	83	22-154	
Ethanol	ug/L	1250	1060	85	10-151	CH
Ethylbenzene	ug/L	50	46.2	92	70-113	
Hexachloro-1,3-butadiene	ug/L	50	40.3	81	59-121	
Isopropylbenzene (Cumene)	ug/L	50	44.2	88	67-115	
Methylene Chloride	ug/L	50	50.5	101	61-142	
n-Butylbenzene	ug/L	50	46.8	94	73-107	
n-Propylbenzene	ug/L	50	45.1	90	68-116	
p-Isopropyltoluene	ug/L	50	45.1	90	73-101	
sec-Butylbenzene	ug/L	50	44.0	88	72-103	
Styrene	ug/L	50	47.0	94	72-118	
tert-Butylbenzene	ug/L	50	43.3	87	68-100	
Tetrachloroethene	ug/L	50	48.4	97	60-128	CL
Toluene	ug/L	50	50.2	100	72-119	
trans-1,2-Dichloroethene	ug/L	50	51.7	103	56-142	
trans-1,3-Dichloropropene	ug/L	50	49.8	100	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	40.4	81	71-121	CL
Trichloroethene	ug/L	50	47.7	95	69-117	
Vinyl chloride	ug/L	50	38.9	78	43-143	
Xylene (Total)	ug/L	150	136	91	71-109	
1,2-Dichloroethane-d4 (S)	%			90	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

LABORATORY CONTROL SAMPLE: 503409

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			97	79-124	
Toluene-d8 (S)	%			89	69-124	

MATRIX SPIKE SAMPLE: 503410

Parameter	Units	7083914002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	36.0	72	74-113	M1
1,1,1-Trichloroethane	ug/L	<1.0	50	45.1	90	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	31.1	62	74-121	CL,M1
1,1,2-Trichloroethane	ug/L	<1.0	50	37.4	75	80-117	M1
1,1-Dichloroethane	ug/L	<1.0	50	44.2	88	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	41.0	82	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	43.0	86	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	25.9	52	67-103	CL,M1
1,2,3-Trichloropropane	ug/L	<1.0	50	32.6	65	71-123	CL,M1
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	35.2	70	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	37.2	74	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	37.3	75	83-115	M1
1,2-Dichloroethane	ug/L	<1.0	50	41.2	82	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	38.3	77	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	36.2	72	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	37.0	74	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	34.4	69	74-112	M1
1,4-Diethylbenzene	ug/L	<1.0	50	36.9	74	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	43.6	87	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	32.5	65	44-162	CL
2-Chlorotoluene	ug/L	<1.0	50	35.2	70	74-101	M1
2-Hexanone	ug/L	<5.0	50	32.4	65	32-183	
4-Chlorotoluene	ug/L	<1.0	50	36.5	73	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	30.1	60	69-132	M1
Acetone	ug/L	<5.0	50	37.8	76	23-188	
Benzene	ug/L	<1.0	50	41.7	83	73-119	
Bromobenzene	ug/L	<1.0	50	37.3	75	72-102	
Bromochloromethane	ug/L	<1.0	50	40.4	81	81-116	
Bromodichloromethane	ug/L	<1.0	50	40.5	81	78-117	
Bromoform	ug/L	<1.0	50	31.4	63	65-122	M1
Bromomethane	ug/L	<1.0	50	41.7	83	52-147	
Carbon disulfide	ug/L	<1.0	50	44.4	89	41-144	
Carbon tetrachloride	ug/L	<1.0	50	41.4	83	59-120	
Chlorobenzene	ug/L	<1.0	50	35.2	70	75-113	M1
Chlorodifluoromethane	ug/L	<1.0	50	40.4	81	43-140	N3
Chloroethane	ug/L	<1.0	50	46.1	92	49-151	
Chloroform	ug/L	<1.0	50	42.2	84	72-122	
Chloromethane	ug/L	<1.0	50	32.6	65	46-144	CL
cis-1,2-Dichloroethene	ug/L	<1.0	50	41.7	83	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

MATRIX SPIKE SAMPLE: 503410		7083914002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	38.9	78	78-116	
Dibromochloromethane	ug/L	<1.0	50	34.6	69	70-120	M1
Dibromomethane	ug/L	<1.0	50	39.3	79	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	40.6	81	22-154	
Ethanol	ug/L	<250	1250	678	54	10-151	CH
Ethylbenzene	ug/L	<1.0	50	38.6	77	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	31.2	62	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	36.5	73	67-115	
Methylene Chloride	ug/L	<1.0	50	41.4	83	61-142	
n-Butylbenzene	ug/L	<1.0	50	36.4	73	73-107	
n-Propylbenzene	ug/L	<1.0	50	37.6	75	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	36.6	73	73-101	
sec-Butylbenzene	ug/L	<1.0	50	37.0	74	72-103	
Styrene	ug/L	<1.0	50	37.0	74	72-118	
tert-Butylbenzene	ug/L	<1.0	50	36.2	72	68-100	
Tetrachloroethene	ug/L	<1.0	50	30.1	60	60-128	CL
Toluene	ug/L	<1.0	50	41.6	83	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	45.2	90	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	32.5	65	71-121	CL,M1
Trichloroethene	ug/L	<1.0	50	41.9	84	69-117	
Vinyl chloride	ug/L	<1.0	50	35.8	72	43-143	
Xylene (Total)	ug/L	<3.0	150	111	74	71-109	MS
1,2-Dichloroethane-d4 (S)	%				94	68-153	
4-Bromofluorobenzene (S)	%				93	79-124	
Toluene-d8 (S)	%				85	69-124	

SAMPLE DUPLICATE: 503411

Parameter	Units	7083914003	Dup	RPD	Qualifiers
		Result	Result		
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		CL
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		CL
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		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

SAMPLE DUPLICATE: 503411

Parameter	Units	7083914003 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		CL
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		CL
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	<3.0	<3.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

SAMPLE DUPLICATE: 503411

Parameter	Units	7083914003 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	94	97		
4-Bromofluorobenzene (S)	%	96	97		
Toluene-d8 (S)	%	92	91		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY-3/29

Pace Project No.: 7083914

QC Batch:	107703	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	7083914001, 7083914002, 7083914003		

METHOD BLANK: 498352 Matrix: Water

Associated Lab Samples: 7083914001, 7083914002, 7083914003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	04/02/19 12:24	

LABORATORY CONTROL SAMPLE: 498353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	482	96	85-115	

MATRIX SPIKE SAMPLE: 498357

Parameter	Units	7083914003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	115	300	423	103	75-125	

MATRIX SPIKE SAMPLE: 498359

Parameter	Units	7083756001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	448	600	1090	108	75-125	

SAMPLE DUPLICATE: 498356

Parameter	Units	7083914003 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	115	113	2	

SAMPLE DUPLICATE: 498358

Parameter	Units	7083756001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	448	426	5	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY-3/29

Pace Project No.: 7083914

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY-3/29

Pace Project No.: 7083914

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7083914001	INFLUENT #1	EPA 200.7	107547	EPA 200.7	107552
7083914002	INFLUENT #2	EPA 200.7	107547	EPA 200.7	107552
7083914003	EFFLUENT #1	EPA 200.7	107547	EPA 200.7	107552
7083914001	INFLUENT #1	EPA 200.7	107883		
7083914002	INFLUENT #2	EPA 200.7	107883		
7083914003	EFFLUENT #1	EPA 200.7	107883		
7083914001	INFLUENT #1	EPA 8260C/5030C	108634		
7083914002	INFLUENT #2	EPA 8260C/5030C	108634		
7083914003	EFFLUENT #1	EPA 8260C/5030C	108634		
7083914001	INFLUENT #1	SM22 2540C	107703		
7083914002	INFLUENT #2	SM22 2540C	107703		
7083914003	EFFLUENT #1	SM22 2540C	107703		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CHAIN-OF-CUSTODY / Analytical Request
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields m

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be filled out.

WO#: 7083914



7083914

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	Fairchild Corporation	Report To:	Jason Fellows	Attention:	
Address:	136 Gazza Blvd.	Copy To:		Company Name:	
	Farmingdale, NY 117351420			Address:	
Email:	jason@wiretowater.com	Purchase Order #:		Pace Quote:	
Phone:	NONE	Project Name:	MONTHLY	Pace Project Manager:	john.stanton@pacelabs.com.
Fax:		Project #:		Pace Profile #:	5055
Requested Due Date:					NY
				Regulatory Agency	
				State / Location	
				NY	

[illegible]



Sample Condition Upon Receipt

WO#: 7083914

Client Name: Fairchild

PM: JDS Due Date: 04/09/19
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

Thermometer Used: TH091

Correction Factor: 0.0

Cooler Temperature (°C): 12.7

Cooler Temperature Corrected (°C): 12.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample

Date and Initials of person examining contents: JK 3/29/19

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 originate 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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # HC857464		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		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:

May 17, 2019

Jason Fellows
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

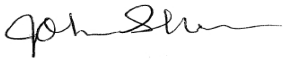
RE: Project: MONTHLY 5/8
Pace Project No.: 7088659

Dear Jason Fellows:

Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2019. 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: Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 5/8

Pace Project No.: 7088659

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 5/8

Pace Project No.: 7088659

Sample: INFLUENT#1		Lab ID: 7088659001	Collected: 05/08/19 15:09	Received: 05/08/19 16:05	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	05/10/19 09:52	05/12/19 17:43	7440-41-7	
Iron	711	ug/L	100	1	05/10/19 09:52	05/12/19 17:43	7439-89-6	
Manganese	81.8	ug/L	10.0	1	05/10/19 09:52	05/12/19 17:43	7439-96-5	
Zinc	<20.0	ug/L	20.0	1	05/10/19 09:52	05/12/19 17:43	7440-66-6	
200.7 Metals, Dissolved		Analytical Method: EPA 200.7						
Beryllium, Dissolved	<5.0	ug/L	5.0	1		05/14/19 03:56	7440-41-7	
Iron, Dissolved	315	ug/L	20.0	1		05/14/19 03:56	7439-89-6	
Manganese, Dissolved	76.1	ug/L	10.0	1		05/14/19 03:56	7439-96-5	
Zinc, Dissolved	<20.0	ug/L	20.0	1		05/14/19 03:56	7440-66-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		05/09/19 18:08	67-64-1	
Benzene	1.6	ug/L	1.0	1		05/09/19 18:08	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		05/09/19 18:08	74-97-5	L2
Bromodichloromethane	<1.0	ug/L	1.0	1		05/09/19 18:08	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		05/09/19 18:08	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		05/09/19 18:08	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		05/09/19 18:08	78-93-3	IL
n-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		05/09/19 18:08	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/09/19 18:08	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	108-90-7	
Chlorodifluoromethane	1.3	ug/L	1.0	1		05/09/19 18:08	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		05/09/19 18:08	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		05/09/19 18:08	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		05/09/19 18:08	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		05/09/19 18:08	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		05/09/19 18:08	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	1		05/09/19 18:08	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		05/09/19 18:08	106-93-4	L2
Dibromomethane	<1.0	ug/L	1.0	1		05/09/19 18:08	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/09/19 18:08	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		05/09/19 18:08	75-71-8	
1,1-Dichloroethane	15.5	ug/L	1.0	1		05/09/19 18:08	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		05/09/19 18:08	107-06-2	
1,1-Dichloroethene	5.8	ug/L	1.0	1		05/09/19 18:08	75-35-4	
cis-1,2-Dichloroethene	200	ug/L	1.0	1		05/09/19 18:08	156-59-2	
trans-1,2-Dichloroethene	1.6	ug/L	1.0	1		05/09/19 18:08	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 18:08	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 18:08	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 18:08	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 5/8

Pace Project No.: 7088659

Sample: INFLUENT#1		Lab ID: 7088659001		Collected: 05/08/19 15:09		Received: 05/08/19 16:05		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		05/09/19 18:08	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/09/19 18:08	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/09/19 18:08	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	105-05-5	N3	
Ethanol	<250	ug/L	250	1		05/09/19 18:08	64-17-5	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		05/09/19 18:08	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		05/09/19 18:08	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		05/09/19 18:08	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		05/09/19 18:08	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		05/09/19 18:08	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		05/09/19 18:08	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	103-65-1		
Styrene	<1.0	ug/L	1.0	1		05/09/19 18:08	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/09/19 18:08	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/09/19 18:08	79-34-5		
Tetrachloroethene	680	ug/L	10.0	10		05/10/19 12:31	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		05/09/19 18:08	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		05/09/19 18:08	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/09/19 18:08	79-00-5		
Trichloroethene	106	ug/L	1.0	1		05/09/19 18:08	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/09/19 18:08	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		05/09/19 18:08	108-67-8		
Vinyl chloride	32.3	ug/L	1.0	1		05/09/19 18:08	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		05/09/19 18:08	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	121	%	68-153	1		05/09/19 18:08	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-124	1		05/09/19 18:08	460-00-4		
Toluene-d8 (S)	88	%	69-124	1		05/09/19 18:08	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	229	mg/L	10.0	1		05/14/19 09:37			
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C							
pH	6.9	Std. Units	0.10	1		05/09/19 14:13		H3,H6	
Temperature, Water (C)	23.6	deg C	0.10	1		05/09/19 14:13		H3,H6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 5/8

Pace Project No.: 7088659

Sample: INFLUENT#2		Lab ID: 7088659002		Collected: 05/08/19 15:18		Received: 05/08/19 16:05		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	05/10/19 09:52	05/12/19 17:48	7440-41-7		
Iron	715	ug/L	100	1	05/10/19 09:52	05/12/19 17:48	7439-89-6		
Manganese	78.0	ug/L	10.0	1	05/10/19 09:52	05/12/19 17:48	7439-96-5		
Zinc	26.1	ug/L	20.0	1	05/10/19 09:52	05/12/19 17:48	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		05/14/19 04:01	7440-41-7		
Iron, Dissolved	372	ug/L	20.0	1		05/14/19 04:01	7439-89-6		
Manganese, Dissolved	80.7	ug/L	10.0	1		05/14/19 04:01	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		05/14/19 04:01	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		05/09/19 17:49	67-64-1		
Benzene	<1.0	ug/L	1.0	1		05/09/19 17:49	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		05/09/19 17:49	74-97-5	L2	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/09/19 17:49	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		05/09/19 17:49	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		05/09/19 17:49	74-83-9	CL	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		05/09/19 17:49	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		05/09/19 17:49	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/09/19 17:49	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		05/09/19 17:49	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		05/09/19 17:49	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		05/09/19 17:49	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		05/09/19 17:49	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		05/09/19 17:49	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		05/09/19 17:49	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		05/09/19 17:49	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		05/09/19 17:49	106-93-4	L2	
Dibromomethane	<1.0	ug/L	1.0	1		05/09/19 17:49	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/09/19 17:49	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		05/09/19 17:49	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/09/19 17:49	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		05/09/19 17:49	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/09/19 17:49	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/09/19 17:49	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/09/19 17:49	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 17:49	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 17:49	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 17:49	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 5/8

Pace Project No.: 7088659

Sample: INFLUENT#2		Lab ID: 7088659002		Collected: 05/08/19 15:18		Received: 05/08/19 16:05		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		05/09/19 17:49	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/09/19 17:49	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/09/19 17:49	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	105-05-5	N3	
Ethanol	<250	ug/L	250	1		05/09/19 17:49	64-17-5	IC	
Ethylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		05/09/19 17:49	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		05/09/19 17:49	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		05/09/19 17:49	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		05/09/19 17:49	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		05/09/19 17:49	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		05/09/19 17:49	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	103-65-1		
Styrene	<1.0	ug/L	1.0	1		05/09/19 17:49	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/09/19 17:49	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/09/19 17:49	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		05/09/19 17:49	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		05/09/19 17:49	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		05/09/19 17:49	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/09/19 17:49	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		05/09/19 17:49	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/09/19 17:49	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		05/09/19 17:49	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		05/09/19 17:49	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		05/09/19 17:49	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	126	%	68-153	1		05/09/19 17:49	17060-07-0		
4-Bromofluorobenzene (S)	102	%	79-124	1		05/09/19 17:49	460-00-4		
Toluene-d8 (S)	90	%	69-124	1		05/09/19 17:49	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	132	mg/L	10.0	1		05/14/19 09:37			
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C							
pH	6.8	Std. Units	0.10	1		05/09/19 14:13		H3,H6	
Temperature, Water (C)	23.6	deg C	0.10	1		05/09/19 14:13		H3,H6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 5/8

Pace Project No.: 7088659

Sample: EFFLUENT#1		Lab ID: 7088659003		Collected: 05/08/19 15:28		Received: 05/08/19 16:05		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	05/10/19 09:52	05/12/19 17:53	7440-41-7		
Iron	793	ug/L	100	1	05/10/19 09:52	05/12/19 17:53	7439-89-6		
Manganese	84.8	ug/L	10.0	1	05/10/19 09:52	05/12/19 17:53	7439-96-5		
Zinc	68.6	ug/L	20.0	1	05/10/19 09:52	05/12/19 17:53	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		05/14/19 04:07	7440-41-7		
Iron, Dissolved	786	ug/L	20.0	1		05/14/19 04:07	7439-89-6		
Manganese, Dissolved	80.2	ug/L	10.0	1		05/14/19 04:07	7439-96-5		
Zinc, Dissolved	41.4	ug/L	20.0	1		05/14/19 04:07	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		05/09/19 16:51	67-64-1		
Benzene	<1.0	ug/L	1.0	1		05/09/19 16:51	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		05/09/19 16:51	74-97-5	L2	
Bromodichloromethane	<1.0	ug/L	1.0	1		05/09/19 16:51	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		05/09/19 16:51	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		05/09/19 16:51	74-83-9	CL	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		05/09/19 16:51	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		05/09/19 16:51	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		05/09/19 16:51	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		05/09/19 16:51	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		05/09/19 16:51	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		05/09/19 16:51	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		05/09/19 16:51	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		05/09/19 16:51	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		05/09/19 16:51	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		05/09/19 16:51	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		05/09/19 16:51	106-93-4	L2	
Dibromomethane	<1.0	ug/L	1.0	1		05/09/19 16:51	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		05/09/19 16:51	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		05/09/19 16:51	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		05/09/19 16:51	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		05/09/19 16:51	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		05/09/19 16:51	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/09/19 16:51	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		05/09/19 16:51	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 16:51	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 16:51	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		05/09/19 16:51	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 5/8

Pace Project No.: 7088659

Sample: EFFLUENT#1		Lab ID: 7088659003	Collected: 05/08/19 15:28	Received: 05/08/19 16:05	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		05/09/19 16:51	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/09/19 16:51	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		05/09/19 16:51	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	105-05-5	N3
Ethanol	<250	ug/L	250	1		05/09/19 16:51	64-17-5	IC
Ethylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		05/09/19 16:51	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		05/09/19 16:51	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		05/09/19 16:51	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		05/09/19 16:51	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		05/09/19 16:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		05/09/19 16:51	108-10-1	
n-Propylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	103-65-1	
Styrene	<1.0	ug/L	1.0	1		05/09/19 16:51	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/09/19 16:51	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		05/09/19 16:51	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		05/09/19 16:51	127-18-4	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	95-93-2	N3
Toluene	<1.0	ug/L	1.0	1		05/09/19 16:51	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	87-61-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		05/09/19 16:51	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		05/09/19 16:51	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		05/09/19 16:51	79-01-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		05/09/19 16:51	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		05/09/19 16:51	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		05/09/19 16:51	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		05/09/19 16:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	122	%	68-153	1		05/09/19 16:51	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-124	1		05/09/19 16:51	460-00-4	
Toluene-d8 (S)	91	%	69-124	1		05/09/19 16:51	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	127	mg/L	10.0	1		05/14/19 09:37		
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C						
pH	5.0	Std. Units	0.10	1		05/09/19 14:13		H3,H6
Temperature, Water (C)	23.6	deg C	0.10	1		05/09/19 14:13		H3,H6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

QC Batch:	113267	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	7088659001, 7088659002, 7088659003		

METHOD BLANK: 532417 Matrix: Water

Associated Lab Samples: 7088659001, 7088659002, 7088659003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	05/14/19 02:49	
Iron, Dissolved	ug/L	<20.0	20.0	05/14/19 02:49	
Manganese, Dissolved	ug/L	<10.0	10.0	05/14/19 02:49	
Zinc, Dissolved	ug/L	<20.0	20.0	05/14/19 02:49	

LABORATORY CONTROL SAMPLE: 532418

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	53.2	106	85-115	
Iron, Dissolved	ug/L	2000	2080	104	85-115	
Manganese, Dissolved	ug/L	250	263	105	85-115	
Zinc, Dissolved	ug/L	1000	1010	101	85-115	

MATRIX SPIKE SAMPLE: 532421

Parameter	Units	7088713006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	53.6	107	70-130	
Iron, Dissolved	ug/L	109	2000	2210	105	70-130	
Manganese, Dissolved	ug/L	23.2	250	286	105	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	1020	101	70-130	

SAMPLE DUPLICATE: 532420

Parameter	Units	7088713006 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	109	110	1	
Manganese, Dissolved	ug/L	23.2	23.2	0	
Zinc, Dissolved	ug/L	<20.0	<20.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

QC Batch:	113180	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples: 7088659001, 7088659002, 7088659003			

METHOD BLANK: 531593 Matrix: Water

Associated Lab Samples: 7088659001, 7088659002, 7088659003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	05/12/19 16:32	
Iron	ug/L	<100	100	05/12/19 16:32	
Manganese	ug/L	<10.0	10.0	05/12/19 16:32	
Zinc	ug/L	<20.0	20.0	05/12/19 16:32	

LABORATORY CONTROL SAMPLE: 531594

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	50.4	101	85-115	
Iron	ug/L	2000	1960	98	85-115	
Manganese	ug/L	250	254	101	85-115	
Zinc	ug/L	1000	1030	103	85-115	

MATRIX SPIKE SAMPLE: 531596

Parameter	Units	7088713001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	52.9	106	70-130	
Iron	ug/L	918	2000	3040	106	70-130	
Manganese	ug/L	215	250	466	100	70-130	
Zinc	ug/L	<20.0	1000	1020	100	70-130	

SAMPLE DUPLICATE: 531595

Parameter	Units	7088713001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	918	948	3	
Manganese	ug/L	215	224	4	
Zinc	ug/L	<20.0	<20.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

QC Batch:	112864	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	7088659001, 7088659002, 7088659003		

METHOD BLANK: 529983 Matrix: Water

Associated Lab Samples: 7088659001, 7088659002, 7088659003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	05/09/19 09:09	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	05/09/19 09:09	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	05/09/19 09:09	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	05/09/19 09:09	
1,1-Dichloroethane	ug/L	<1.0	1.0	05/09/19 09:09	
1,1-Dichloroethene	ug/L	<1.0	1.0	05/09/19 09:09	
1,1-Dichloropropene	ug/L	<1.0	1.0	05/09/19 09:09	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	05/09/19 09:09	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	05/09/19 09:09	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	05/09/19 09:09	
1,2-Dichloroethane	ug/L	<1.0	1.0	05/09/19 09:09	
1,2-Dichloropropane	ug/L	<1.0	1.0	05/09/19 09:09	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	05/09/19 09:09	
1,3-Dichloropropane	ug/L	<1.0	1.0	05/09/19 09:09	
1,4-Diethylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	05/09/19 09:09	
2-Butanone (MEK)	ug/L	<5.0	5.0	05/09/19 09:09	IL
2-Chlorotoluene	ug/L	<1.0	1.0	05/09/19 09:09	
2-Hexanone	ug/L	<5.0	5.0	05/09/19 09:09	
4-Chlorotoluene	ug/L	<1.0	1.0	05/09/19 09:09	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	05/09/19 09:09	
Acetone	ug/L	<5.0	5.0	05/09/19 09:09	
Benzene	ug/L	<1.0	1.0	05/09/19 09:09	
Bromobenzene	ug/L	<1.0	1.0	05/09/19 09:09	
Bromochloromethane	ug/L	<1.0	1.0	05/09/19 09:09	
Bromodichloromethane	ug/L	<1.0	1.0	05/09/19 09:09	
Bromoform	ug/L	<1.0	1.0	05/09/19 09:09	
Bromomethane	ug/L	<1.0	1.0	05/09/19 09:09	CL
Carbon disulfide	ug/L	<1.0	1.0	05/09/19 09:09	
Carbon tetrachloride	ug/L	<1.0	1.0	05/09/19 09:09	
Chlorobenzene	ug/L	<1.0	1.0	05/09/19 09:09	
Chlorodifluoromethane	ug/L	<1.0	1.0	05/09/19 09:09	N3
Chloroethane	ug/L	<1.0	1.0	05/09/19 09:09	
Chloroform	ug/L	<1.0	1.0	05/09/19 09:09	
Chloromethane	ug/L	<1.0	1.0	05/09/19 09:09	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	05/09/19 09:09	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	05/09/19 09:09	
Dibromochloromethane	ug/L	<1.0	1.0	05/09/19 09:09	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

METHOD BLANK: 529983

Matrix: Water

Associated Lab Samples: 7088659001, 7088659002, 7088659003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	05/09/19 09:09	
Dichlorodifluoromethane	ug/L	<1.0	1.0	05/09/19 09:09	
Ethanol	ug/L	<250	250	05/09/19 09:09	IC
Ethylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	05/09/19 09:09	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	05/09/19 09:09	
Methylene Chloride	ug/L	<1.0	1.0	05/09/19 09:09	
n-Butylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	
n-Propylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	
p-Isopropyltoluene	ug/L	<1.0	1.0	05/09/19 09:09	
sec-Butylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	
Styrene	ug/L	<1.0	1.0	05/09/19 09:09	
tert-Butylbenzene	ug/L	<1.0	1.0	05/09/19 09:09	
Tetrachloroethene	ug/L	<1.0	1.0	05/09/19 09:09	
Toluene	ug/L	<1.0	1.0	05/09/19 09:09	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	05/09/19 09:09	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	05/09/19 09:09	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	05/09/19 09:09	
Trichloroethene	ug/L	<1.0	1.0	05/09/19 09:09	
Vinyl chloride	ug/L	<1.0	1.0	05/09/19 09:09	
Xylene (Total)	ug/L	<3.0	3.0	05/09/19 09:09	
1,2-Dichloroethane-d4 (S)	%	120	68-153	05/09/19 09:09	
4-Bromofluorobenzene (S)	%	101	79-124	05/09/19 09:09	
Toluene-d8 (S)	%	89	69-124	05/09/19 09:09	

LABORATORY CONTROL SAMPLE: 529984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.8	92	74-113	
1,1,1-Trichloroethane	ug/L	50	46.5	93	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	44.2	88	74-121	
1,1,2-Trichloroethane	ug/L	50	41.8	84	80-117	
1,1-Dichloroethane	ug/L	50	45.6	91	83-151	
1,1-Dichloroethene	ug/L	50	40.5	81	45-146	
1,1-Dichloropropene	ug/L	50	44.6	89	59-127	
1,2,3-Trichlorobenzene	ug/L	50	46.3	93	67-103	
1,2,3-Trichloropropane	ug/L	50	46.4	93	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	47.8	96	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	50.5	101	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	39.2	78	83-115	L2
1,2-Dichloroethane	ug/L	50	53.0	106	74-129	
1,2-Dichloropropane	ug/L	50	41.2	82	75-117	
1,3,5-Trimethylbenzene	ug/L	50	50.9	102	67-116	
1,3-Dichlorobenzene	ug/L	50	44.0	88	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

LABORATORY CONTROL SAMPLE: 529984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	41.3	83	74-112	
1,4-Diethylbenzene	ug/L	50	48.1	96	56-130	N3
2,2-Dichloropropane	ug/L	50	49.4	99	63-133	
2-Butanone (MEK)	ug/L	50	42.7	85	44-162	IL
2-Chlorotoluene	ug/L	50	49.4	99	74-101	
2-Hexanone	ug/L	50	39.4	79	32-183	
4-Chlorotoluene	ug/L	50	49.1	98	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	40.1	80	69-132	
Acetone	ug/L	50	50.6	101	23-188	CH
Benzene	ug/L	50	42.2	84	73-119	
Bromobenzene	ug/L	50	42.0	84	72-102	
Bromochloromethane	ug/L	50	39.6	79	81-116	L2
Bromodichloromethane	ug/L	50	50.6	101	78-117	
Bromoform	ug/L	50	53.7	107	65-122	CH
Bromomethane	ug/L	50	30.4	61	52-147	CL
Carbon disulfide	ug/L	50	46.6	93	41-144	
Carbon tetrachloride	ug/L	50	46.4	93	59-120	
Chlorobenzene	ug/L	50	39.5	79	75-113	
Chlorodifluoromethane	ug/L	50	43.6	87	43-140	N3
Chloroethane	ug/L	50	50.0	100	49-151	
Chloroform	ug/L	50	48.8	98	72-122	
Chloromethane	ug/L	50	43.5	87	46-144	
cis-1,2-Dichloroethene	ug/L	50	43.2	86	72-121	
cis-1,3-Dichloropropene	ug/L	50	43.4	87	78-116	
Dibromochloromethane	ug/L	50	49.8	100	70-120	
Dibromomethane	ug/L	50	42.7	85	75-125	
Dichlorodifluoromethane	ug/L	50	54.2	108	22-154	CH
Ethanol	ug/L	1250	1750	140	10-151	CH,IC,IH
Ethylbenzene	ug/L	50	40.8	82	70-113	
Hexachloro-1,3-butadiene	ug/L	50	46.0	92	59-121	
Isopropylbenzene (Cumene)	ug/L	50	46.9	94	67-115	
Methylene Chloride	ug/L	50	41.7	83	61-142	
n-Butylbenzene	ug/L	50	50.0	100	73-107	
n-Propylbenzene	ug/L	50	49.5	99	68-116	
p-Isopropyltoluene	ug/L	50	49.9	100	73-101	
sec-Butylbenzene	ug/L	50	48.9	98	72-103	
Styrene	ug/L	50	45.2	90	72-118	
tert-Butylbenzene	ug/L	50	46.4	93	68-100	
Tetrachloroethene	ug/L	50	37.9	76	60-128	
Toluene	ug/L	50	39.2	78	72-119	
trans-1,2-Dichloroethene	ug/L	50	42.3	85	56-142	
trans-1,3-Dichloropropene	ug/L	50	46.4	93	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	57.7	115	71-121	CH
Trichloroethene	ug/L	50	44.6	89	69-117	
Vinyl chloride	ug/L	50	50.5	101	43-143	CH
Xylene (Total)	ug/L	150	126	84	71-109	
1,2-Dichloroethane-d4 (S)	%			114	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

LABORATORY CONTROL SAMPLE: 529984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			108	79-124	
Toluene-d8 (S)	%			91	69-124	

MATRIX SPIKE SAMPLE: 532062

Parameter	Units	7088253002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	47.4	95	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	51.0	102	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	47.9	96	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	47.3	95	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	51.0	102	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	44.9	90	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	49.2	98	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	45.3	91	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	50.6	101	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	47.9	96	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	52.3	105	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	42.9	86	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	58.0	116	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	45.4	91	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	52.6	105	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	45.5	91	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	43.8	88	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	49.0	98	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	49.0	98	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	48.7	97	44-162	IL
2-Chlorotoluene	ug/L	<1.0	50	51.5	103	74-101	M1
2-Hexanone	ug/L	<5.0	50	42.1	84	32-183	
4-Chlorotoluene	ug/L	<1.0	50	52.1	104	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	46.3	93	69-132	
Acetone	ug/L	<5.0	50	58.0	116	23-188	CH
Benzene	ug/L	<1.0	50	46.9	94	73-119	
Bromobenzene	ug/L	<1.0	50	42.8	86	72-102	
Bromochloromethane	ug/L	<1.0	50	39.4	79	81-116	M0
Bromodichloromethane	ug/L	<1.0	50	54.8	110	78-117	
Bromoform	ug/L	<1.0	50	55.4	111	65-122	CH
Bromomethane	ug/L	<1.0	50	27.8	56	52-147	CL
Carbon disulfide	ug/L	<1.0	50	52.5	105	41-144	
Carbon tetrachloride	ug/L	<1.0	50	49.9	100	59-120	
Chlorobenzene	ug/L	<1.0	50	40.6	81	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	48.7	97	43-140	N3
Chloroethane	ug/L	<1.0	50	56.4	113	49-151	
Chloroform	ug/L	<1.0	50	53.8	108	72-122	
Chloromethane	ug/L	<1.0	50	45.4	91	46-144	
cis-1,2-Dichloroethene	ug/L	19.0	50	67.5	97	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

MATRIX SPIKE SAMPLE: 532062		7088253002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	45.2	90	78-116	
Dibromochloromethane	ug/L	<1.0	50	50.0	100	70-120	
Dibromomethane	ug/L	<1.0	50	47.6	95	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	58.2	116	22-154	CH
Ethanol	ug/L	<250	1250	2470	198	10-151	CH,IC,IH,M1
Ethylbenzene	ug/L	<1.0	50	43.3	87	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	45.9	92	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	49.0	98	67-115	
Methylene Chloride	ug/L	<1.0	50	47.6	95	61-142	
n-Butylbenzene	ug/L	<1.0	50	52.0	104	73-107	
n-Propylbenzene	ug/L	<1.0	50	51.9	104	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	51.1	102	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	51.3	103	72-103	
Styrene	ug/L	<1.0	50	46.8	94	72-118	
tert-Butylbenzene	ug/L	<1.0	50	47.7	95	68-100	
Tetrachloroethene	ug/L	27.8	50	69.5	83	60-128	
Toluene	ug/L	<1.0	50	43.7	87	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	47.7	95	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	48.6	97	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	64.3	129	71-121	CH,M1
Trichloroethene	ug/L	2.5	50	51.6	98	69-117	
Vinyl chloride	ug/L	<1.0	50	58.0	116	43-143	CH
Xylene (Total)	ug/L	<3.0	150	134	89	71-109	
1,2-Dichloroethane-d4 (S)	%				117	68-153	
4-Bromofluorobenzene (S)	%				107	79-124	
Toluene-d8 (S)	%				90	69-124	

SAMPLE DUPLICATE: 532061

Parameter	Units	7088387003	Dup	RPD	Qualifiers
		Result	Result		
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	1.8	4	
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		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

SAMPLE DUPLICATE: 532061

Parameter	Units	7088387003 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		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	<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		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	1.1	1.2	8	
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		IC
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	1.3	1.2	2	
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

SAMPLE DUPLICATE: 532061

Parameter	Units	7088387003 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	119	120		
4-Bromofluorobenzene (S)	%	99	99		
Toluene-d8 (S)	%	89	90		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

QC Batch:	113341	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	7088659001, 7088659002, 7088659003		

METHOD BLANK: 532971 Matrix: Water

Associated Lab Samples: 7088659001, 7088659002, 7088659003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<1.0	1.0	05/14/19 09:36	

LABORATORY CONTROL SAMPLE: 532972

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	570	114	85-115	

MATRIX SPIKE SAMPLE: 532974

Parameter	Units	30292823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	78.0	300	537	153	75-125	H1,M1

MATRIX SPIKE SAMPLE: 532976

Parameter	Units	7088665003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	74.0	300	529	152	75-125	M1

SAMPLE DUPLICATE: 532973

Parameter	Units	30292823001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	84.0	7	D6,H1

SAMPLE DUPLICATE: 532975

Parameter	Units	7088665003 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	74.0	67.0	10	D6

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 5/8

Pace Project No.: 7088659

QC Batch: 112975 Analysis Method: EPA 9040C

QC Batch Method: EPA 9040C Analysis Description: 9040 pH

Associated Lab Samples: 7088659001, 7088659002, 7088659003

SAMPLE DUPLICATE: 530553

Parameter	Units	7088814001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units		7.2		0 H3,H6
Temperature, Water (C)	deg C		23.6		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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 5/8

Pace Project No.: 7088659

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
H1	Analysis conducted outside the EPA method holding time.
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.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 5/8

Pace Project No.: 7088659

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7088659001	INFLUENT#1	EPA 200.7	113180	EPA 200.7	113190
7088659002	INFLUENT#2	EPA 200.7	113180	EPA 200.7	113190
7088659003	EFFLUENT#1	EPA 200.7	113180	EPA 200.7	113190
7088659001	INFLUENT#1	EPA 200.7	113267		
7088659002	INFLUENT#2	EPA 200.7	113267		
7088659003	EFFLUENT#1	EPA 200.7	113267		
7088659001	INFLUENT#1	EPA 8260C/5030C	112864		
7088659002	INFLUENT#2	EPA 8260C/5030C	112864		
7088659003	EFFLUENT#1	EPA 8260C/5030C	112864		
7088659001	INFLUENT#1	SM22 2540C	113341		
7088659002	INFLUENT#2	SM22 2540C	113341		
7088659003	EFFLUENT#1	SM22 2540C	113341		
7088659001	INFLUENT#1	EPA 9040C	112975		
7088659002	INFLUENT#2	EPA 9040C	112975		
7088659003	EFFLUENT#1	EPA 9040C	112975		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Required Client Information:

Project Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	
Pace Profile #:	505

john.stanton@pacelabs.com.

Page: 1 Of 1

CHAIN-OF-CUSTODY / Analytical Request Document

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

[illegible]



Sample Condition Upon Receipt

Client Name:

Project

WO#: 7088659

PM: JDS Due Date: 05/17/19

CLIENT: FAIR

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ NoTemperature Blank Present: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ OtherType of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH091

Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 14.1

Cooler Temperature Corrected (°C): 14.1

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: JDS/5/8/19

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 ☒ NODid samples originate 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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # 11085746		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide)	☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		
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:

July 11, 2019

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

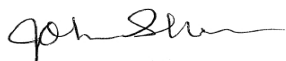
RE: Project: MONTHLY 7/2
Pace Project No.: 7096161

Dear Daniel Germaine:

Enclosed are the analytical results for sample(s) received by the laboratory on July 02, 2019. 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: Jason Fellows, Wire to Water Electrical Contractors
Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 7/2

Pace Project No.: 7096161

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/2

Pace Project No.: 7096161

Sample: INFLUENT #1		Lab ID: 7096161001		Collected: 07/02/19 10:40		Received: 07/02/19 11:37		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	07/10/19 10:15	07/11/19 14:40	7440-41-7		
Iron	605	ug/L	100	1	07/10/19 10:15	07/11/19 14:40	7439-89-6		
Manganese	65.0	ug/L	10.0	1	07/10/19 10:15	07/11/19 14:40	7439-96-5		
Zinc	37.2	ug/L	20.0	1	07/10/19 10:15	07/11/19 14:40	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		07/10/19 14:21	7440-41-7		
Iron, Dissolved	52.4	ug/L	20.0	1		07/10/19 14:21	7439-89-6		
Manganese, Dissolved	65.3	ug/L	10.0	1		07/10/19 14:21	7439-96-5		
Zinc, Dissolved	34.7	ug/L	20.0	1		07/10/19 14:21	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	<20.0	ug/L	20.0	20		07/09/19 13:32	75-71-8	CL	
Chloromethane	<20.0	ug/L	20.0	20		07/09/19 13:32	74-87-3		
Vinyl chloride	39.0	ug/L	20.0	20		07/09/19 13:32	75-01-4		
Chloroethane	<20.0	ug/L	20.0	20		07/09/19 13:32	75-00-3		
Bromomethane	<20.0	ug/L	20.0	20		07/09/19 13:32	74-83-9		
Methylene Chloride	<20.0	ug/L	20.0	20		07/09/19 13:32	75-09-2		
1,1-Dichloroethene	<20.0	ug/L	20.0	20		07/09/19 13:32	75-35-4		
trans-1,2-Dichloroethene	<20.0	ug/L	20.0	20		07/09/19 13:32	156-60-5		
1,1-Dichloroethane	24.9	ug/L	20.0	20		07/09/19 13:32	75-34-3		
2,2-Dichloropropane	<20.0	ug/L	20.0	20		07/09/19 13:32	594-20-7		
cis-1,2-Dichloroethene	356	ug/L	20.0	20		07/09/19 13:32	156-59-2		
Chloroform	<20.0	ug/L	20.0	20		07/09/19 13:32	67-66-3		
Bromochloromethane	<20.0	ug/L	20.0	20		07/09/19 13:32	74-97-5		
1,1,1-Trichloroethane	<20.0	ug/L	20.0	20		07/09/19 13:32	71-55-6		
Carbon tetrachloride	<20.0	ug/L	20.0	20		07/09/19 13:32	56-23-5		
1,1-Dichloropropene	<20.0	ug/L	20.0	20		07/09/19 13:32	563-58-6		
Benzene	<20.0	ug/L	20.0	20		07/09/19 13:32	71-43-2		
1,2-Dichloroethane	<20.0	ug/L	20.0	20		07/09/19 13:32	107-06-2		
Trichloroethene	175	ug/L	20.0	20		07/09/19 13:32	79-01-6		
1,2-Dichloropropane	<20.0	ug/L	20.0	20		07/09/19 13:32	78-87-5		
Bromodichloromethane	<20.0	ug/L	20.0	20		07/09/19 13:32	75-27-4		
Dibromomethane	<20.0	ug/L	20.0	20		07/09/19 13:32	74-95-3		
trans-1,3-Dichloropropene	<20.0	ug/L	20.0	20		07/09/19 13:32	10061-02-6		
Toluene	<20.0	ug/L	20.0	20		07/09/19 13:32	108-88-3		
cis-1,3-Dichloropropene	<20.0	ug/L	20.0	20		07/09/19 13:32	10061-01-5		
1,1,2-Trichloroethane	<20.0	ug/L	20.0	20		07/09/19 13:32	79-00-5		
Tetrachloroethene	1050	ug/L	20.0	20		07/09/19 13:32	127-18-4		
1,3-Dichloropropane	<20.0	ug/L	20.0	20		07/09/19 13:32	142-28-9		
Dibromochloromethane	<20.0	ug/L	20.0	20		07/09/19 13:32	124-48-1		
1,2-Dibromoethane (EDB)	<20.0	ug/L	20.0	20		07/09/19 13:32	106-93-4		
Chlorobenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	108-90-7		
1,1,1,2-Tetrachloroethane	<20.0	ug/L	20.0	20		07/09/19 13:32	630-20-6		
Ethylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	100-41-4		
Xylene (Total)	<60.0	ug/L	60.0	20		07/09/19 13:32	1330-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/2

Pace Project No.: 7096161

Sample: INFLUENT #1		Lab ID: 7096161001		Collected: 07/02/19 10:40		Received: 07/02/19 11:37		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Styrene	<20.0	ug/L	20.0	20		07/09/19 13:32	100-42-5	CL	
Bromoform	<20.0	ug/L	20.0	20		07/09/19 13:32	75-25-2		
Isopropylbenzene (Cumene)	<20.0	ug/L	20.0	20		07/09/19 13:32	98-82-8		
1,1,2,2-Tetrachloroethane	<20.0	ug/L	20.0	20		07/09/19 13:32	79-34-5		
Bromobenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	108-86-1		
1,2,3-Trichloropropane	<20.0	ug/L	20.0	20		07/09/19 13:32	96-18-4		
n-Propylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	103-65-1		
2-Chlorotoluene	<20.0	ug/L	20.0	20		07/09/19 13:32	95-49-8		
1,3,5-Trimethylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	108-67-8		
4-Chlorotoluene	<20.0	ug/L	20.0	20		07/09/19 13:32	106-43-4		
1,2,4-Trimethylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	95-63-6		
sec-Butylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	135-98-8		
tert-Butylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	98-06-6		
p-Isopropyltoluene	<20.0	ug/L	20.0	20		07/09/19 13:32	99-87-6		
1,3-Dichlorobenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	541-73-1		
n-Butylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	104-51-8		
Hexachloro-1,3-butadiene	<20.0	ug/L	20.0	20		07/09/19 13:32	87-68-3		
1,2,3-Trichlorobenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	87-61-6		
2-Butanone (MEK)	<100	ug/L	100	20		07/09/19 13:32	78-93-3	IL	
2-Hexanone	<100	ug/L	100	20		07/09/19 13:32	591-78-6		
Carbon disulfide	<20.0	ug/L	20.0	20		07/09/19 13:32	75-15-0	IC	
Acetone	<100	ug/L	100	20		07/09/19 13:32	67-64-1		
4-Methyl-2-pentanone (MIBK)	<100	ug/L	100	20		07/09/19 13:32	108-10-1	N3	
trans-1,4-Dichloro-2-butene	<20.0	ug/L	20.0	20		07/09/19 13:32	110-57-6		
Ethanol	<5000	ug/L	5000	20		07/09/19 13:32	64-17-5		
Chlorodifluoromethane	<20.0	ug/L	20.0	20		07/09/19 13:32	75-45-6	N3	
1,4-Diethylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	105-05-5	N3	
1,2,4,5-tetramethylbenzene	<20.0	ug/L	20.0	20		07/09/19 13:32	95-93-2	N3	
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%	68-153	20		07/09/19 13:32	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-124	20		07/09/19 13:32	460-00-4		
Toluene-d8 (S)	99	%	69-124	20		07/09/19 13:32	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	124	mg/L	10.0	1		07/09/19 10:32			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/2

Pace Project No.: 7096161

Sample: INFLUENT #2		Lab ID: 7096161002		Collected: 07/02/19 10:55		Received: 07/02/19 11:37		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	07/10/19 10:15	07/11/19 14:43	7440-41-7		
Iron	1090	ug/L	100	1	07/10/19 10:15	07/11/19 14:43	7439-89-6		
Manganese	71.9	ug/L	10.0	1	07/10/19 10:15	07/11/19 14:43	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	07/10/19 10:15	07/11/19 14:43	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		07/10/19 14:22	7440-41-7		
Iron, Dissolved	219	ug/L	20.0	1		07/10/19 14:22	7439-89-6		
Manganese, Dissolved	66.1	ug/L	10.0	1		07/10/19 14:22	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		07/10/19 14:22	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/09/19 16:10	75-71-8	CL	
Chloromethane	<1.0	ug/L	1.0	1		07/09/19 16:10	74-87-3		
Vinyl chloride	<1.0	ug/L	1.0	1		07/09/19 16:10	75-01-4		
Chloroethane	<1.0	ug/L	1.0	1		07/09/19 16:10	75-00-3		
Bromomethane	<1.0	ug/L	1.0	1		07/09/19 16:10	74-83-9		
Methylene Chloride	<1.0	ug/L	1.0	1		07/09/19 16:10	75-09-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/09/19 16:10	75-35-4		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/09/19 16:10	156-60-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/09/19 16:10	75-34-3		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/09/19 16:10	594-20-7		
cis-1,2-Dichloroethene	1.4	ug/L	1.0	1		07/09/19 16:10	156-59-2		
Chloroform	<1.0	ug/L	1.0	1		07/09/19 16:10	67-66-3		
Bromochloromethane	<1.0	ug/L	1.0	1		07/09/19 16:10	74-97-5		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/09/19 16:10	71-55-6		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/09/19 16:10	56-23-5		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/09/19 16:10	563-58-6		
Benzene	<1.0	ug/L	1.0	1		07/09/19 16:10	71-43-2		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/09/19 16:10	107-06-2		
Trichloroethene	<1.0	ug/L	1.0	1		07/09/19 16:10	79-01-6		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/09/19 16:10	78-87-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/09/19 16:10	75-27-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/09/19 16:10	74-95-3		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/09/19 16:10	10061-02-6		
Toluene	<1.0	ug/L	1.0	1		07/09/19 16:10	108-88-3		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/09/19 16:10	10061-01-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/09/19 16:10	79-00-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/09/19 16:10	127-18-4		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/09/19 16:10	142-28-9		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/09/19 16:10	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/09/19 16:10	106-93-4		
Chlorobenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	108-90-7		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/09/19 16:10	630-20-6		
Ethylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	100-41-4		
Xylene (Total)	<3.0	ug/L	3.0	1		07/09/19 16:10	1330-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/2

Pace Project No.: 7096161

Sample: INFLUENT #2		Lab ID: 7096161002	Collected: 07/02/19 10:55	Received: 07/02/19 11:37	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		07/09/19 16:10	100-42-5	
Bromoform	<1.0	ug/L	1.0	1		07/09/19 16:10	75-25-2	CL
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/09/19 16:10	98-82-8	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/09/19 16:10	79-34-5	
Bromobenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	108-86-1	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/09/19 16:10	96-18-4	
n-Propylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	103-65-1	
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/09/19 16:10	95-49-8	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	108-67-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/09/19 16:10	106-43-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	95-63-6	
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	98-06-6	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/09/19 16:10	99-87-6	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	541-73-1	
n-Butylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	104-51-8	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/09/19 16:10	87-68-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	87-61-6	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/09/19 16:10	78-93-3	IL
2-Hexanone	<5.0	ug/L	5.0	1		07/09/19 16:10	591-78-6	
Carbon disulfide	<1.0	ug/L	1.0	1		07/09/19 16:10	75-15-0	
Acetone	<5.0	ug/L	5.0	1		07/09/19 16:10	67-64-1	IC
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/09/19 16:10	108-10-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/09/19 16:10	110-57-6	
Ethanol	<250	ug/L	250	1		07/09/19 16:10	64-17-5	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		07/09/19 16:10	75-45-6	N3
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	105-05-5	N3
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		07/09/19 16:10	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	68-153	1		07/09/19 16:10	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		07/09/19 16:10	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		07/09/19 16:10	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	138	mg/L	10.0	1		07/09/19 10:32		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/2

Pace Project No.: 7096161

Sample: EFFLUENT #1		Lab ID: 7096161003		Collected: 07/02/19 11:00		Received: 07/02/19 11:37		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	07/10/19 10:15	07/11/19 14:45	7440-41-7		
Iron	1750	ug/L	100	1	07/10/19 10:15	07/11/19 14:45	7439-89-6		
Manganese	76.3	ug/L	10.0	1	07/10/19 10:15	07/11/19 14:45	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	07/10/19 10:15	07/11/19 14:45	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		07/10/19 14:23	7440-41-7		
Iron, Dissolved	721	ug/L	20.0	1		07/10/19 14:23	7439-89-6		
Manganese, Dissolved	73.6	ug/L	10.0	1		07/10/19 14:23	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		07/10/19 14:23	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		07/09/19 15:48	75-71-8	CL	
Chloromethane	<1.0	ug/L	1.0	1		07/09/19 15:48	74-87-3		
Vinyl chloride	<1.0	ug/L	1.0	1		07/09/19 15:48	75-01-4		
Chloroethane	<1.0	ug/L	1.0	1		07/09/19 15:48	75-00-3		
Bromomethane	<1.0	ug/L	1.0	1		07/09/19 15:48	74-83-9		
Methylene Chloride	<1.0	ug/L	1.0	1		07/09/19 15:48	75-09-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		07/09/19 15:48	75-35-4		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/09/19 15:48	156-60-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		07/09/19 15:48	75-34-3		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		07/09/19 15:48	594-20-7		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		07/09/19 15:48	156-59-2		
Chloroform	<1.0	ug/L	1.0	1		07/09/19 15:48	67-66-3		
Bromochloromethane	<1.0	ug/L	1.0	1		07/09/19 15:48	74-97-5		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		07/09/19 15:48	71-55-6		
Carbon tetrachloride	<1.0	ug/L	1.0	1		07/09/19 15:48	56-23-5		
1,1-Dichloropropene	<1.0	ug/L	1.0	1		07/09/19 15:48	563-58-6		
Benzene	<1.0	ug/L	1.0	1		07/09/19 15:48	71-43-2		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		07/09/19 15:48	107-06-2		
Trichloroethene	<1.0	ug/L	1.0	1		07/09/19 15:48	79-01-6		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		07/09/19 15:48	78-87-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		07/09/19 15:48	75-27-4		
Dibromomethane	<1.0	ug/L	1.0	1		07/09/19 15:48	74-95-3		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/09/19 15:48	10061-02-6		
Toluene	<1.0	ug/L	1.0	1		07/09/19 15:48	108-88-3		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		07/09/19 15:48	10061-01-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		07/09/19 15:48	79-00-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		07/09/19 15:48	127-18-4		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		07/09/19 15:48	142-28-9		
Dibromochloromethane	<1.0	ug/L	1.0	1		07/09/19 15:48	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		07/09/19 15:48	106-93-4		
Chlorobenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	108-90-7		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/09/19 15:48	630-20-6		
Ethylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	100-41-4		
Xylene (Total)	<3.0	ug/L	3.0	1		07/09/19 15:48	1330-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/2

Pace Project No.: 7096161

Sample: EFFLUENT #1		Lab ID: 7096161003	Collected: 07/02/19 11:00	Received: 07/02/19 11:37	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		07/09/19 15:48	100-42-5	
Bromoform	<1.0	ug/L	1.0	1		07/09/19 15:48	75-25-2	CL
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		07/09/19 15:48	98-82-8	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		07/09/19 15:48	79-34-5	
Bromobenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	108-86-1	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		07/09/19 15:48	96-18-4	
n-Propylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	103-65-1	
2-Chlorotoluene	<1.0	ug/L	1.0	1		07/09/19 15:48	95-49-8	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	108-67-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		07/09/19 15:48	106-43-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	95-63-6	
sec-Butylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	98-06-6	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		07/09/19 15:48	99-87-6	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	541-73-1	
n-Butylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	104-51-8	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		07/09/19 15:48	87-68-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	87-61-6	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		07/09/19 15:48	78-93-3	IL
2-Hexanone	<5.0	ug/L	5.0	1		07/09/19 15:48	591-78-6	
Carbon disulfide	<1.0	ug/L	1.0	1		07/09/19 15:48	75-15-0	
Acetone	<5.0	ug/L	5.0	1		07/09/19 15:48	67-64-1	IC
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		07/09/19 15:48	108-10-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		07/09/19 15:48	110-57-6	
Ethanol	<250	ug/L	250	1		07/09/19 15:48	64-17-5	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		07/09/19 15:48	75-45-6	N3
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	105-05-5	N3
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		07/09/19 15:48	95-93-2	N3
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	68-153	1		07/09/19 15:48	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		07/09/19 15:48	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		07/09/19 15:48	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	127	mg/L	10.0	1		07/09/19 10:33		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

QC Batch:	121109	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	7096161001, 7096161002, 7096161003		

METHOD BLANK: 576596 Matrix: Water

Associated Lab Samples: 7096161001, 7096161002, 7096161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	07/10/19 14:05	
Iron, Dissolved	ug/L	<20.0	20.0	07/10/19 14:05	
Manganese, Dissolved	ug/L	<10.0	10.0	07/10/19 14:05	
Zinc, Dissolved	ug/L	<20.0	20.0	07/10/19 14:05	

LABORATORY CONTROL SAMPLE: 576597

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	2020	101	85-115	
Manganese, Dissolved	ug/L	250	255	102	85-115	
Zinc, Dissolved	ug/L	1000	1000	100	85-115	

MATRIX SPIKE SAMPLE: 576599

Parameter	Units	7095045002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	48.2	96	70-130	
Iron, Dissolved	ug/L	<20.0	2000	1970	98	70-130	
Manganese, Dissolved	ug/L	1490	250	1690	80	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	998	99	70-130	

MATRIX SPIKE SAMPLE: 576602

Parameter	Units	7095890001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	48.7	97	70-130	
Iron, Dissolved	ug/L	348	2000	2320	99	70-130	
Manganese, Dissolved	ug/L	481	250	727	98	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	982	97	70-130	

SAMPLE DUPLICATE: 576598

Parameter	Units	7095045002 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	1490	1520	2	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

SAMPLE DUPLICATE: 576598

Parameter	Units	7095045002 Result	Dup Result	RPD	Qualifiers
Zinc, Dissolved	ug/L	<20.0	<20.0		

SAMPLE DUPLICATE: 576601

Parameter	Units	7095890001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	348	348	0	
Manganese, Dissolved	ug/L	481	489	2	
Zinc, Dissolved	ug/L	<20.0	<20.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

QC Batch:	121260	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples:	7096161001, 7096161002, 7096161003		

METHOD BLANK: 577232 Matrix: Water

Associated Lab Samples: 7096161001, 7096161002, 7096161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	07/11/19 14:03	
Iron	ug/L	<100	100	07/11/19 14:03	
Manganese	ug/L	<10.0	10.0	07/11/19 14:03	
Zinc	ug/L	<20.0	20.0	07/11/19 14:03	

LABORATORY CONTROL SAMPLE: 577233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	47.3	95	85-115	
Iron	ug/L	2000	1910	96	85-115	
Manganese	ug/L	250	236	94	85-115	
Zinc	ug/L	1000	946	95	85-115	

MATRIX SPIKE SAMPLE: 577235

Parameter	Units	7095515001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	51.3	103	70-130	
Iron	ug/L	<100	2000	2110	104	70-130	
Manganese	ug/L	<10.0	250	262	103	70-130	
Zinc	ug/L	28.5	1000	1060	103	70-130	

MATRIX SPIKE SAMPLE: 577237

Parameter	Units	7095515002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	48.8	98	70-130	
Iron	ug/L	<100	2000	1990	99	70-130	
Manganese	ug/L	<10.0	250	249	98	70-130	
Zinc	ug/L	<20.0	1000	993	98	70-130	

SAMPLE DUPLICATE: 577234

Parameter	Units	7095515001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	<100	<100		
Manganese	ug/L	<10.0	<10.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

SAMPLE DUPLICATE: 577234

Parameter	Units	7095515001 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	28.5	28.7	1	

SAMPLE DUPLICATE: 577236

Parameter	Units	7095515002 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	<100	<100		
Manganese	ug/L	<10.0	<10.0		
Zinc	ug/L	<20.0	<20.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

QC Batch:	121050	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	7096161001, 7096161002, 7096161003		

METHOD BLANK: 575942 Matrix: Water

Associated Lab Samples: 7096161001, 7096161002, 7096161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	07/09/19 12:07	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	07/09/19 12:07	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	07/09/19 12:07	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	07/09/19 12:07	
1,1-Dichloroethane	ug/L	<1.0	1.0	07/09/19 12:07	
1,1-Dichloroethene	ug/L	<1.0	1.0	07/09/19 12:07	
1,1-Dichloropropene	ug/L	<1.0	1.0	07/09/19 12:07	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	07/09/19 12:07	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	07/09/19 12:07	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	07/09/19 12:07	
1,2-Dichloroethane	ug/L	<1.0	1.0	07/09/19 12:07	
1,2-Dichloropropane	ug/L	<1.0	1.0	07/09/19 12:07	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	07/09/19 12:07	
1,3-Dichloropropane	ug/L	<1.0	1.0	07/09/19 12:07	
1,4-Diethylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	07/09/19 12:07	
2-Butanone (MEK)	ug/L	<5.0	5.0	07/09/19 12:07	IL
2-Chlorotoluene	ug/L	<1.0	1.0	07/09/19 12:07	
2-Hexanone	ug/L	<5.0	5.0	07/09/19 12:07	
4-Chlorotoluene	ug/L	<1.0	1.0	07/09/19 12:07	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	07/09/19 12:07	
Acetone	ug/L	<5.0	5.0	07/09/19 12:07	IC
Benzene	ug/L	<1.0	1.0	07/09/19 12:07	
Bromobenzene	ug/L	<1.0	1.0	07/09/19 12:07	
Bromochloromethane	ug/L	<1.0	1.0	07/09/19 12:07	
Bromodichloromethane	ug/L	<1.0	1.0	07/09/19 12:07	
Bromoform	ug/L	<1.0	1.0	07/09/19 12:07	CL
Bromomethane	ug/L	<1.0	1.0	07/09/19 12:07	
Carbon disulfide	ug/L	<1.0	1.0	07/09/19 12:07	
Carbon tetrachloride	ug/L	<1.0	1.0	07/09/19 12:07	
Chlorobenzene	ug/L	<1.0	1.0	07/09/19 12:07	
Chlorodifluoromethane	ug/L	<1.0	1.0	07/09/19 12:07	N3
Chloroethane	ug/L	<1.0	1.0	07/09/19 12:07	
Chloroform	ug/L	<1.0	1.0	07/09/19 12:07	
Chloromethane	ug/L	<1.0	1.0	07/09/19 12:07	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	07/09/19 12:07	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	07/09/19 12:07	
Dibromochloromethane	ug/L	<1.0	1.0	07/09/19 12:07	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

METHOD BLANK: 575942

Matrix: Water

Associated Lab Samples: 7096161001, 7096161002, 7096161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	07/09/19 12:07	CL
Dichlorodifluoromethane	ug/L	<1.0	1.0	07/09/19 12:07	
Ethanol	ug/L	<250	250	07/09/19 12:07	
Ethylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	07/09/19 12:07	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	07/09/19 12:07	
Methylene Chloride	ug/L	<1.0	1.0	07/09/19 12:07	
n-Butylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	
n-Propylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	
p-Isopropyltoluene	ug/L	<1.0	1.0	07/09/19 12:07	
sec-Butylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	
Styrene	ug/L	<1.0	1.0	07/09/19 12:07	
tert-Butylbenzene	ug/L	<1.0	1.0	07/09/19 12:07	
Tetrachloroethene	ug/L	<1.0	1.0	07/09/19 12:07	
Toluene	ug/L	<1.0	1.0	07/09/19 12:07	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	07/09/19 12:07	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	07/09/19 12:07	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	07/09/19 12:07	
Trichloroethene	ug/L	<1.0	1.0	07/09/19 12:07	
Vinyl chloride	ug/L	<1.0	1.0	07/09/19 12:07	
Xylene (Total)	ug/L	<3.0	3.0	07/09/19 12:07	
1,2-Dichloroethane-d4 (S)	%	107	68-153	07/09/19 12:07	
4-Bromofluorobenzene (S)	%	98	79-124	07/09/19 12:07	
Toluene-d8 (S)	%	98	69-124	07/09/19 12:07	

LABORATORY CONTROL SAMPLE: 575943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	42.0	84	74-113	
1,1,1-Trichloroethane	ug/L	50	46.4	93	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	50.0	100	74-121	
1,1,2-Trichloroethane	ug/L	50	47.9	96	80-117	
1,1-Dichloroethane	ug/L	50	51.0	102	83-151	
1,1-Dichloroethene	ug/L	50	45.3	91	45-146	
1,1-Dichloropropene	ug/L	50	48.0	96	59-127	
1,2,3-Trichlorobenzene	ug/L	50	44.8	90	67-103	
1,2,3-Trichloropropane	ug/L	50	44.0	88	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	47.4	95	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	48.3	97	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	45.9	92	83-115	
1,2-Dichloroethane	ug/L	50	53.0	106	74-129	
1,2-Dichloropropane	ug/L	50	48.8	98	75-117	
1,3,5-Trimethylbenzene	ug/L	50	48.2	96	67-116	
1,3-Dichlorobenzene	ug/L	50	47.3	95	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

LABORATORY CONTROL SAMPLE: 575943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	46.9	94	74-112	
1,4-Diethylbenzene	ug/L	50	48.2	96	56-130	N3
2,2-Dichloropropane	ug/L	50	50.9	102	63-133	
2-Butanone (MEK)	ug/L	50	47.9	96	44-162	IL
2-Chlorotoluene	ug/L	50	49.3	99	74-101	
2-Hexanone	ug/L	50	45.5	91	32-183	
4-Chlorotoluene	ug/L	50	50.1	100	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.7	97	69-132	
Acetone	ug/L	50	54.6	109	23-188	CH,IC
Benzene	ug/L	50	47.0	94	73-119	
Bromobenzene	ug/L	50	45.0	90	72-102	
Bromochloromethane	ug/L	50	48.3	97	81-116	
Bromodichloromethane	ug/L	50	48.4	97	78-117	
Bromoform	ug/L	50	38.8	78	65-122	CL
Bromomethane	ug/L	50	49.9	100	52-147	
Carbon disulfide	ug/L	50	45.5	91	41-144	
Carbon tetrachloride	ug/L	50	48.5	97	59-120	
Chlorobenzene	ug/L	50	44.4	89	75-113	
Chlorodifluoromethane	ug/L	50	42.3	85	43-140	N3
Chloroethane	ug/L	50	46.1	92	49-151	
Chloroform	ug/L	50	52.3	105	72-122	
Chloromethane	ug/L	50	47.6	95	46-144	
cis-1,2-Dichloroethene	ug/L	50	48.4	97	72-121	
cis-1,3-Dichloropropene	ug/L	50	48.0	96	78-116	
Dibromochloromethane	ug/L	50	42.0	84	70-120	
Dibromomethane	ug/L	50	45.5	91	75-125	
Dichlorodifluoromethane	ug/L	50	34.0	68	22-154	CL
Ethanol	ug/L	1250	1420	114	10-151	CH
Ethylbenzene	ug/L	50	43.8	88	70-113	
Hexachloro-1,3-butadiene	ug/L	50	44.3	89	59-121	
Isopropylbenzene (Cumene)	ug/L	50	48.3	97	67-115	
Methylene Chloride	ug/L	50	52.0	104	61-142	
n-Butylbenzene	ug/L	50	50.0	100	73-107	
n-Propylbenzene	ug/L	50	49.3	99	68-116	
p-Isopropyltoluene	ug/L	50	47.5	95	73-101	
sec-Butylbenzene	ug/L	50	48.3	97	72-103	
Styrene	ug/L	50	44.4	89	72-118	
tert-Butylbenzene	ug/L	50	47.7	95	68-100	
Tetrachloroethene	ug/L	50	40.8	82	60-128	
Toluene	ug/L	50	47.2	94	72-119	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	56-142	
trans-1,3-Dichloropropene	ug/L	50	47.5	95	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	48.7	97	71-121	
Trichloroethene	ug/L	50	44.9	90	69-117	
Vinyl chloride	ug/L	50	49.2	98	43-143	
Xylene (Total)	ug/L	150	131	87	71-109	
1,2-Dichloroethane-d4 (S)	%			105	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

LABORATORY CONTROL SAMPLE: 575943

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			98	79-124	
Toluene-d8 (S)	%			98	69-124	

MATRIX SPIKE SAMPLE: 576661

Parameter	Units	7095580002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	43.4	87	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	50.3	101	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	49.7	99	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	49.0	98	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	55.2	110	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	53.4	107	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	52.1	104	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	44.8	90	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	43.6	87	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	48.8	98	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50.3	101	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	46.2	92	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	54.7	109	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	51.6	103	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50.5	101	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	49.5	99	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	47.8	96	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	50.1	100	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	53.9	108	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	46.1	92	44-162	IL
2-Chlorotoluene	ug/L	<1.0	50	52.1	104	74-101	M1
2-Hexanone	ug/L	<5.0	50	44.0	88	32-183	
4-Chlorotoluene	ug/L	<1.0	50	53.0	106	74-101	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	47.6	95	69-132	
Acetone	ug/L	<5.0	50	52.2	104	23-188	CH,IC
Benzene	ug/L	<1.0	50	49.9	100	73-119	
Bromobenzene	ug/L	<1.0	50	46.9	94	72-102	
Bromochloromethane	ug/L	<1.0	50	51.3	103	81-116	
Bromodichloromethane	ug/L	<1.0	50	49.5	99	78-117	
Bromoform	ug/L	<1.0	50	37.7	75	65-122	CL
Bromomethane	ug/L	<1.0	50	28.0	56	52-147	
Carbon disulfide	ug/L	<1.0	50	47.7	95	41-144	
Carbon tetrachloride	ug/L	<1.0	50	51.6	103	59-120	
Chlorobenzene	ug/L	<1.0	50	47.0	94	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	43.0	86	43-140	N3
Chloroethane	ug/L	<1.0	50	51.6	103	49-151	
Chloroform	ug/L	<1.0	50	56.6	113	72-122	
Chloromethane	ug/L	<1.0	50	41.9	84	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	51.9	104	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

MATRIX SPIKE SAMPLE: 576661		7095580002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	49.6	99	78-116	
Dibromochloromethane	ug/L	<1.0	50	42.6	85	70-120	
Dibromomethane	ug/L	<1.0	50	46.7	93	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	25.9	52	22-154	CL
Ethanol	ug/L	<250	1250	1230	98	10-151	CH
Ethylbenzene	ug/L	<1.0	50	47.1	94	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	43.6	87	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	51.3	103	67-115	
Methylene Chloride	ug/L	<1.0	50	51.3	103	61-142	
n-Butylbenzene	ug/L	<1.0	50	52.6	105	73-107	
n-Propylbenzene	ug/L	<1.0	50	52.9	106	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	50.5	101	73-101	
sec-Butylbenzene	ug/L	<1.0	50	51.3	103	72-103	
Styrene	ug/L	<1.0	50	46.5	93	72-118	
tert-Butylbenzene	ug/L	<1.0	50	50.5	101	68-100	M1
Tetrachloroethene	ug/L	<1.0	50	44.2	88	60-128	
Toluene	ug/L	<1.0	50	50.3	101	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	53.2	106	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	47.7	95	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	44.8	90	71-121	
Trichloroethene	ug/L	<1.0	50	48.6	97	69-117	
Vinyl chloride	ug/L	<1.0	50	49.6	99	43-143	
Xylene (Total)	ug/L	<3.0	150	139	93	71-109	
1,2-Dichloroethane-d4 (S)	%				105	68-153	
4-Bromofluorobenzene (S)	%				98	79-124	
Toluene-d8 (S)	%				99	69-124	

SAMPLE DUPLICATE: 576660

Parameter	Units	7096161002	Dup	RPD	Qualifiers
		Result	Result		
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		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

SAMPLE DUPLICATE: 576660

Parameter	Units	7096161002 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		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	<5.0	<5.0		IC
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		CL
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	1.4	1.3	14	
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		
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	<3.0	<3.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

SAMPLE DUPLICATE: 576660

Parameter	Units	7096161002 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	106	106		
4-Bromofluorobenzene (S)	%	98	99		
Toluene-d8 (S)	%	98	98		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/2

Pace Project No.: 7096161

QC Batch:	120987	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	7096161001, 7096161002, 7096161003		

METHOD BLANK: 575832 Matrix: Water

Associated Lab Samples: 7096161001, 7096161002, 7096161003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	07/09/19 10:14	

LABORATORY CONTROL SAMPLE: 575833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	492	98	85-115	

MATRIX SPIKE SAMPLE: 575835

Parameter	Units	7096154004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	94.0	600	678	97	75-125	

MATRIX SPIKE SAMPLE: 575837

Parameter	Units	7096350006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	180	600	760	97	75-125	

SAMPLE DUPLICATE: 575834

Parameter	Units	7096154004 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	94.0	92.0	2	

SAMPLE DUPLICATE: 575836

Parameter	Units	7096350006 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	180	168	7 D6	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 7/2

Pace Project No.: 7096161

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 7/2

Pace Project No.: 7096161

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7096161001	INFLUENT #1	EPA 200.7	121260	EPA 200.7	121294
7096161002	INFLUENT #2	EPA 200.7	121260	EPA 200.7	121294
7096161003	EFFLUENT #1	EPA 200.7	121260	EPA 200.7	121294
7096161001	INFLUENT #1	EPA 200.7	121109		
7096161002	INFLUENT #2	EPA 200.7	121109		
7096161003	EFFLUENT #1	EPA 200.7	121109		
7096161001	INFLUENT #1	EPA 8260C/5030C	121050		
7096161002	INFLUENT #2	EPA 8260C/5030C	121050		
7096161003	EFFLUENT #1	EPA 8260C/5030C	121050		
7096161001	INFLUENT #1	SM22 2540C	120987		
7096161002	INFLUENT #2	SM22 2540C	120987		
7096161003	EFFLUENT #1	SM22 2540C	120987		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CHAIN-OF-CUSTODY / Analytical Reques

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

Section A			Section B		Section C	
Required Client Information:			Required Project Information:		Invoice Information:	
Company	Fairchild Corporation	Report To:	Jason Fellows	Attention	 7096161	
Address:	136 Gazza Blvd	Copy To:		Company Name		
Farmingdale, NY	117351420			Address		
Email:	jason@wireflower.com	Purchase Order #:		Pace Quote		
Phone:		Project Name	MONTHLY	Pace Project Manager:		
Fax:		Project #:		Pace Profile #	5055	State / Location NY
Requested Due Date:						

[illegible][illegible]

Sample Condition Upon Receipt



Client Name:

Fairchild Corporation

WO#: 7096161

PM: JDS Due Date: 07/12/19

CLIENT: FAIR

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ NoSeals intact: ☐ Yes ☒ NoTemperature Blank Present: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ OtherType of Ice: Wet Blue None

Thermometer Used: TH091

Correction Factor: +0.2☐ Samples on ice, cooling process has bCooler Temperature (°C): 13.0Cooler Temperature Corrected (°C): 13.2

Date/Time 5035A kits placed in freez

Temp should be above freezing to 8.0°C

USDA Regulated Soil (☐ N/A, water sample)Date and Initials of person examining contents: J. J. 7/12Did 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 ☒ NODid samples originate from a foreign source (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		10.
Containers Intact:	☐ Yes	☐ No		11.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☐ N/A	12.
Sample Labels match COC:	☐ Yes	☐ No		
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☐ Yes	☐ No	☐ N/A	13.
pH paper Lot #				
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☐ Yes	☐ No	☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☐ N/A	14.
KI starch test strips Lot #				
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):				

Field Data Required?

Y / N

Client Notification/ Resolution:

Date/Time:

Person Contacted:

Comments/ Resolution:

August 07, 2019

Jason Fellows
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

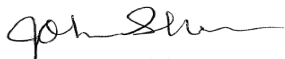
RE: Project: MONTHLY 7/30
Pace Project No.: 7099326

Dear Jason Fellows:

Enclosed are the analytical results for sample(s) received by the laboratory on July 30, 2019. 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: Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 7/30

Pace Project No.: 7099326

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/30

Pace Project No.: 7099326

Sample: INFLUENT#1		Lab ID: 7099326001		Collected: 07/30/19 13:10		Received: 07/30/19 14:02		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	07/31/19 09:30	08/02/19 12:59	7440-41-7		
Iron	690	ug/L	100	1	07/31/19 09:30	08/02/19 12:59	7439-89-6		
Manganese	63.7	ug/L	10.0	1	07/31/19 09:30	08/02/19 12:59	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	07/31/19 09:30	08/02/19 12:59	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		08/06/19 16:21	7440-41-7		
Iron, Dissolved	574	ug/L	20.0	1		08/06/19 16:21	7439-89-6		
Manganese, Dissolved	69.3	ug/L	10.0	1		08/06/19 16:21	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		08/06/19 16:21	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<50.0	ug/L	50.0	10		08/02/19 17:36	67-64-1	IC	
Benzene	<10.0	ug/L	10.0	10		08/02/19 17:36	71-43-2		
Bromobenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	108-86-1		
Bromochloromethane	<10.0	ug/L	10.0	10		08/02/19 17:36	74-97-5		
Bromodichloromethane	<10.0	ug/L	10.0	10		08/02/19 17:36	75-27-4		
Bromoform	<10.0	ug/L	10.0	10		08/02/19 17:36	75-25-2	CL	
Bromomethane	<10.0	ug/L	10.0	10		08/02/19 17:36	74-83-9		
2-Butanone (MEK)	<50.0	ug/L	50.0	10		08/02/19 17:36	78-93-3	IL	
n-Butylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	104-51-8		
sec-Butylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	135-98-8		
tert-Butylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	98-06-6		
Carbon disulfide	<10.0	ug/L	10.0	10		08/02/19 17:36	75-15-0		
Carbon tetrachloride	<10.0	ug/L	10.0	10		08/02/19 17:36	56-23-5		
Chlorobenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	108-90-7		
Chlorodifluoromethane	<10.0	ug/L	10.0	10		08/02/19 17:36	75-45-6	N3	
Chloroethane	<10.0	ug/L	10.0	10		08/02/19 17:36	75-00-3		
Chloroform	<10.0	ug/L	10.0	10		08/02/19 17:36	67-66-3		
Chloromethane	<10.0	ug/L	10.0	10		08/02/19 17:36	74-87-3		
2-Chlorotoluene	<10.0	ug/L	10.0	10		08/02/19 17:36	95-49-8		
4-Chlorotoluene	<10.0	ug/L	10.0	10		08/02/19 17:36	106-43-4		
Dibromochloromethane	<10.0	ug/L	10.0	10		08/02/19 17:36	124-48-1		
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		08/02/19 17:36	106-93-4		
Dibromomethane	<10.0	ug/L	10.0	10		08/02/19 17:36	74-95-3		
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	541-73-1		
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		08/02/19 17:36	110-57-6		
Dichlorodifluoromethane	<10.0	ug/L	10.0	10		08/02/19 17:36	75-71-8	CL	
1,1-Dichloroethane	23.6	ug/L	10.0	10		08/02/19 17:36	75-34-3		
1,2-Dichloroethane	<10.0	ug/L	10.0	10		08/02/19 17:36	107-06-2		
1,1-Dichloroethene	12.3	ug/L	10.0	10		08/02/19 17:36	75-35-4		
cis-1,2-Dichloroethene	344	ug/L	10.0	10		08/02/19 17:36	156-59-2		
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	10		08/02/19 17:36	156-60-5		
1,2-Dichloropropane	<10.0	ug/L	10.0	10		08/02/19 17:36	78-87-5		
1,3-Dichloropropane	<10.0	ug/L	10.0	10		08/02/19 17:36	142-28-9		
2,2-Dichloropropane	<10.0	ug/L	10.0	10		08/02/19 17:36	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/30

Pace Project No.: 7099326

Sample: INFLUENT#1		Lab ID: 7099326001	Collected: 07/30/19 13:10	Received: 07/30/19 14:02	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		08/02/19 17:36	563-58-6	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		08/02/19 17:36	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		08/02/19 17:36	10061-02-6	
1,4-Diethylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	105-05-5	N3
Ethanol	<2500	ug/L	2500	10		08/02/19 17:36	64-17-5	
Ethylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	100-41-4	
Hexachloro-1,3-butadiene	<10.0	ug/L	10.0	10		08/02/19 17:36	87-68-3	
2-Hexanone	<50.0	ug/L	50.0	10		08/02/19 17:36	591-78-6	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		08/02/19 17:36	98-82-8	
p-Isopropyltoluene	<10.0	ug/L	10.0	10		08/02/19 17:36	99-87-6	
Methylene Chloride	<10.0	ug/L	10.0	10		08/02/19 17:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		08/02/19 17:36	108-10-1	
n-Propylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	103-65-1	
Styrene	<10.0	ug/L	10.0	10		08/02/19 17:36	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		08/02/19 17:36	630-20-6	CL
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		08/02/19 17:36	79-34-5	
Tetrachloroethene	1030	ug/L	10.0	10		08/02/19 17:36	127-18-4	CL
1,2,4,5-tetramethylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	95-93-2	N3
Toluene	<10.0	ug/L	10.0	10		08/02/19 17:36	108-88-3	
1,2,3-Trichlorobenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	87-61-6	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		08/02/19 17:36	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		08/02/19 17:36	79-00-5	
Trichloroethene	163	ug/L	10.0	10		08/02/19 17:36	79-01-6	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		08/02/19 17:36	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		08/02/19 17:36	108-67-8	
Vinyl chloride	39.4	ug/L	10.0	10		08/02/19 17:36	75-01-4	
Xylene (Total)	<30.0	ug/L	30.0	10		08/02/19 17:36	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	68-153	10		08/02/19 17:36	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	10		08/02/19 17:36	460-00-4	
Toluene-d8 (S)	93	%	69-124	10		08/02/19 17:36	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	158	mg/L	10.0	1		07/31/19 08:07		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/30

Pace Project No.: 7099326

Sample: INFLUENT#2		Lab ID: 7099326002		Collected: 07/30/19 13:25		Received: 07/30/19 14:02		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	07/31/19 09:30	08/02/19 13:02	7440-41-7		
Iron	723	ug/L	100	1	07/31/19 09:30	08/02/19 13:02	7439-89-6		
Manganese	69.8	ug/L	10.0	1	07/31/19 09:30	08/02/19 13:02	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	07/31/19 09:30	08/02/19 13:02	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		08/06/19 16:23	7440-41-7		
Iron, Dissolved	318	ug/L	20.0	1		08/06/19 16:23	7439-89-6		
Manganese, Dissolved	68.8	ug/L	10.0	1		08/06/19 16:23	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		08/06/19 16:23	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		08/02/19 17:58	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		08/02/19 17:58	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		08/02/19 17:58	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		08/02/19 17:58	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		08/02/19 17:58	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		08/02/19 17:58	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/02/19 17:58	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		08/02/19 17:58	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/02/19 17:58	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		08/02/19 17:58	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		08/02/19 17:58	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		08/02/19 17:58	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		08/02/19 17:58	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		08/02/19 17:58	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		08/02/19 17:58	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		08/02/19 17:58	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		08/02/19 17:58	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		08/02/19 17:58	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		08/02/19 17:58	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		08/02/19 17:58	75-71-8	CL	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/02/19 17:58	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/02/19 17:58	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/02/19 17:58	75-35-4		
cis-1,2-Dichloroethene	1.5	ug/L	1.0	1		08/02/19 17:58	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/02/19 17:58	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/02/19 17:58	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		08/02/19 17:58	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		08/02/19 17:58	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/30

Pace Project No.: 7099326

Sample: INFLUENT#2		Lab ID: 7099326002		Collected: 07/30/19 13:25		Received: 07/30/19 14:02		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		08/02/19 17:58	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/02/19 17:58	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/02/19 17:58	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	105-05-5	N3	
Ethanol	<250	ug/L	250	1		08/02/19 17:58	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		08/02/19 17:58	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		08/02/19 17:58	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		08/02/19 17:58	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		08/02/19 17:58	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		08/02/19 17:58	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/02/19 17:58	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	103-65-1		
Styrene	<1.0	ug/L	1.0	1		08/02/19 17:58	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/02/19 17:58	630-20-6	CL	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/02/19 17:58	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		08/02/19 17:58	127-18-4	CL	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		08/02/19 17:58	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/02/19 17:58	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/02/19 17:58	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		08/02/19 17:58	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		08/02/19 17:58	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		08/02/19 17:58	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		08/02/19 17:58	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		08/02/19 17:58	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	107	%	68-153	1		08/02/19 17:58	17060-07-0		
4-Bromofluorobenzene (S)	96	%	79-124	1		08/02/19 17:58	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		08/02/19 17:58	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	252	mg/L	10.0	1		07/31/19 08:18			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/30

Pace Project No.: 7099326

Sample: EFFLUENT#1		Lab ID: 7099326003		Collected: 07/30/19 13:40		Received: 07/30/19 14:02		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	07/31/19 09:30	08/02/19 13:04	7440-41-7		
Iron	786	ug/L	100	1	07/31/19 09:30	08/02/19 13:04	7439-89-6		
Manganese	75.1	ug/L	10.0	1	07/31/19 09:30	08/02/19 13:04	7439-96-5		
Zinc	30.0	ug/L	20.0	1	07/31/19 09:30	08/02/19 13:04	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		08/06/19 16:26	7440-41-7		
Iron, Dissolved	394	ug/L	20.0	1		08/06/19 16:26	7439-89-6		
Manganese, Dissolved	73.9	ug/L	10.0	1		08/06/19 16:26	7439-96-5		
Zinc, Dissolved	20.0	ug/L	20.0	1		08/06/19 16:26	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		08/02/19 18:21	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		08/02/19 18:21	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		08/02/19 18:21	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		08/02/19 18:21	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		08/02/19 18:21	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		08/02/19 18:21	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		08/02/19 18:21	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		08/02/19 18:21	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		08/02/19 18:21	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		08/02/19 18:21	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		08/02/19 18:21	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		08/02/19 18:21	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		08/02/19 18:21	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		08/02/19 18:21	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		08/02/19 18:21	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		08/02/19 18:21	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		08/02/19 18:21	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		08/02/19 18:21	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		08/02/19 18:21	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		08/02/19 18:21	75-71-8	CL	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		08/02/19 18:21	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		08/02/19 18:21	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		08/02/19 18:21	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/02/19 18:21	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		08/02/19 18:21	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		08/02/19 18:21	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		08/02/19 18:21	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		08/02/19 18:21	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 7/30

Pace Project No.: 7099326

Sample: EFFLUENT#1		Lab ID: 7099326003	Collected: 07/30/19 13:40	Received: 07/30/19 14:02	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		08/02/19 18:21	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/02/19 18:21	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		08/02/19 18:21	10061-02-6	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	105-05-5	N3
Ethanol	<250	ug/L	250	1		08/02/19 18:21	64-17-5	
Ethylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		08/02/19 18:21	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		08/02/19 18:21	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		08/02/19 18:21	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		08/02/19 18:21	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		08/02/19 18:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		08/02/19 18:21	108-10-1	
n-Propylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	103-65-1	
Styrene	<1.0	ug/L	1.0	1		08/02/19 18:21	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/02/19 18:21	630-20-6	CL
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		08/02/19 18:21	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		08/02/19 18:21	127-18-4	CL
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	95-93-2	N3
Toluene	<1.0	ug/L	1.0	1		08/02/19 18:21	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	87-61-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		08/02/19 18:21	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		08/02/19 18:21	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		08/02/19 18:21	79-01-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		08/02/19 18:21	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		08/02/19 18:21	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		08/02/19 18:21	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		08/02/19 18:21	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	68-153	1		08/02/19 18:21	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	1		08/02/19 18:21	460-00-4	
Toluene-d8 (S)	92	%	69-124	1		08/02/19 18:21	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	154	mg/L	10.0	1		07/31/19 08:18		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

QC Batch:	124318	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	7099326001, 7099326002, 7099326003		

METHOD BLANK: 592339 Matrix: Water

Associated Lab Samples: 7099326001, 7099326002, 7099326003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	08/06/19 16:04	
Iron, Dissolved	ug/L	<20.0	20.0	08/06/19 16:04	
Manganese, Dissolved	ug/L	<10.0	10.0	08/06/19 16:04	
Zinc, Dissolved	ug/L	<20.0	20.0	08/06/19 16:04	

LABORATORY CONTROL SAMPLE: 592340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	49.7	99	85-115	
Iron, Dissolved	ug/L	2000	1990	100	85-115	
Manganese, Dissolved	ug/L	250	246	98	85-115	
Zinc, Dissolved	ug/L	1000	993	99	85-115	

MATRIX SPIKE SAMPLE: 592343

Parameter	Units	7099086002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	47.8	96	70-130	
Iron, Dissolved	ug/L	843	2000	2770	97	70-130	
Manganese, Dissolved	ug/L	16.0	250	257	96	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	1000	98	70-130	

SAMPLE DUPLICATE: 592342

Parameter	Units	7099086002 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	843	843	0	
Manganese, Dissolved	ug/L	16.0	16.0	0	
Zinc, Dissolved	ug/L	<20.0	<20.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

QC Batch:	124119	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Total
Associated Lab Samples: 7099326001, 7099326002, 7099326003			

METHOD BLANK: 591305 Matrix: Water

Associated Lab Samples: 7099326001, 7099326002, 7099326003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	08/02/19 12:27	
Iron	ug/L	<100	100	08/02/19 12:27	
Manganese	ug/L	<10.0	10.0	08/02/19 12:27	
Zinc	ug/L	<20.0	20.0	08/02/19 12:27	

LABORATORY CONTROL SAMPLE: 591306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	51.6	103	85-115	
Iron	ug/L	2000	2060	103	85-115	
Manganese	ug/L	250	255	102	85-115	
Zinc	ug/L	1000	1040	104	85-115	

MATRIX SPIKE SAMPLE: 591308

Parameter	Units	7099115001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	54.2	108	70-130	
Iron	ug/L	4870	2000	6820	97	70-130	
Manganese	ug/L	193	250	454	104	70-130	
Zinc	ug/L	10000	1000	10700	70	70-130	

SAMPLE DUPLICATE: 591307

Parameter	Units	7099115001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	4870	4910	1	
Manganese	ug/L	193	193	0	
Zinc	ug/L	10000	10100	1	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

QC Batch:	124435	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	7099326001, 7099326002, 7099326003		

METHOD BLANK: 592786 Matrix: Water

Associated Lab Samples: 7099326001, 7099326002, 7099326003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	08/02/19 12:32	CL
1,1,1-Trichloroethane	ug/L	<1.0	1.0	08/02/19 12:32	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	08/02/19 12:32	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	08/02/19 12:32	
1,1-Dichloroethane	ug/L	<1.0	1.0	08/02/19 12:32	
1,1-Dichloroethene	ug/L	<1.0	1.0	08/02/19 12:32	
1,1-Dichloropropene	ug/L	<1.0	1.0	08/02/19 12:32	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	08/02/19 12:32	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	08/02/19 12:32	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	08/02/19 12:32	
1,2-Dichloroethane	ug/L	<1.0	1.0	08/02/19 12:32	
1,2-Dichloropropane	ug/L	<1.0	1.0	08/02/19 12:32	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	08/02/19 12:32	
1,3-Dichloropropane	ug/L	<1.0	1.0	08/02/19 12:32	
1,4-Diethylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	08/02/19 12:32	
2-Butanone (MEK)	ug/L	<5.0	5.0	08/02/19 12:32	IL
2-Chlorotoluene	ug/L	<1.0	1.0	08/02/19 12:32	
2-Hexanone	ug/L	<5.0	5.0	08/02/19 12:32	
4-Chlorotoluene	ug/L	<1.0	1.0	08/02/19 12:32	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	08/02/19 12:32	
Acetone	ug/L	<5.0	5.0	08/02/19 12:32	IC
Benzene	ug/L	<1.0	1.0	08/02/19 12:32	
Bromobenzene	ug/L	<1.0	1.0	08/02/19 12:32	
Bromochloromethane	ug/L	<1.0	1.0	08/02/19 12:32	
Bromodichloromethane	ug/L	<1.0	1.0	08/02/19 12:32	
Bromoform	ug/L	<1.0	1.0	08/02/19 12:32	CL
Bromomethane	ug/L	<1.0	1.0	08/02/19 12:32	
Carbon disulfide	ug/L	<1.0	1.0	08/02/19 12:32	
Carbon tetrachloride	ug/L	<1.0	1.0	08/02/19 12:32	
Chlorobenzene	ug/L	<1.0	1.0	08/02/19 12:32	
Chlorodifluoromethane	ug/L	<1.0	1.0	08/02/19 12:32	N3
Chloroethane	ug/L	<1.0	1.0	08/02/19 12:32	
Chloroform	ug/L	<1.0	1.0	08/02/19 12:32	
Chloromethane	ug/L	<1.0	1.0	08/02/19 12:32	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	08/02/19 12:32	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	08/02/19 12:32	
Dibromochloromethane	ug/L	<1.0	1.0	08/02/19 12:32	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

METHOD BLANK: 592786

Matrix: Water

Associated Lab Samples: 7099326001, 7099326002, 7099326003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	08/02/19 12:32	
Dichlorodifluoromethane	ug/L	<1.0	1.0	08/02/19 12:32	CL
Ethanol	ug/L	<250	250	08/02/19 12:32	
Ethylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	08/02/19 12:32	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	08/02/19 12:32	
Methylene Chloride	ug/L	<1.0	1.0	08/02/19 12:32	
n-Butylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	
n-Propylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	
p-Isopropyltoluene	ug/L	<1.0	1.0	08/02/19 12:32	
sec-Butylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	
Styrene	ug/L	<1.0	1.0	08/02/19 12:32	
tert-Butylbenzene	ug/L	<1.0	1.0	08/02/19 12:32	
Tetrachloroethene	ug/L	<1.0	1.0	08/02/19 12:32	CL
Toluene	ug/L	<1.0	1.0	08/02/19 12:32	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	08/02/19 12:32	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	08/02/19 12:32	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	08/02/19 12:32	
Trichloroethene	ug/L	<1.0	1.0	08/02/19 12:32	
Vinyl chloride	ug/L	<1.0	1.0	08/02/19 12:32	
Xylene (Total)	ug/L	<3.0	3.0	08/02/19 12:32	
1,2-Dichloroethane-d4 (S)	%	108	68-153	08/02/19 12:32	
4-Bromofluorobenzene (S)	%	97	79-124	08/02/19 12:32	
Toluene-d8 (S)	%	93	69-124	08/02/19 12:32	

LABORATORY CONTROL SAMPLE: 592787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	38.1	76	74-113	CL
1,1,1-Trichloroethane	ug/L	50	45.0	90	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	46.5	93	74-121	
1,1,2-Trichloroethane	ug/L	50	46.5	93	80-117	
1,1-Dichloroethane	ug/L	50	51.9	104	83-151	
1,1-Dichloroethene	ug/L	50	48.3	97	45-146	
1,1-Dichloropropene	ug/L	50	45.9	92	59-127	
1,2,3-Trichlorobenzene	ug/L	50	39.2	78	67-103	
1,2,3-Trichloropropane	ug/L	50	41.2	82	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	43.4	87	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	44.4	89	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	43.1	86	83-115	
1,2-Dichloroethane	ug/L	50	57.0	114	74-129	
1,2-Dichloropropane	ug/L	50	46.8	94	75-117	
1,3,5-Trimethylbenzene	ug/L	50	44.3	89	67-116	
1,3-Dichlorobenzene	ug/L	50	42.5	85	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

LABORATORY CONTROL SAMPLE: 592787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	43.5	87	74-112	
1,4-Diethylbenzene	ug/L	50	44.0	88	56-130	N3
2,2-Dichloropropane	ug/L	50	49.0	98	63-133	
2-Butanone (MEK)	ug/L	50	48.0	96	44-162	IL
2-Chlorotoluene	ug/L	50	46.0	92	74-101	
2-Hexanone	ug/L	50	41.6	83	32-183	
4-Chlorotoluene	ug/L	50	46.9	94	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	46.7	93	69-132	
Acetone	ug/L	50	55.4	111	23-188	CH,IC
Benzene	ug/L	50	44.9	90	73-119	
Bromobenzene	ug/L	50	40.6	81	72-102	
Bromochloromethane	ug/L	50	50.7	101	81-116	
Bromodichloromethane	ug/L	50	47.3	95	78-117	
Bromoform	ug/L	50	34.3	69	65-122	CL
Bromomethane	ug/L	50	47.4	95	52-147	
Carbon disulfide	ug/L	50	47.3	95	41-144	
Carbon tetrachloride	ug/L	50	46.9	94	59-120	
Chlorobenzene	ug/L	50	40.6	81	75-113	
Chlorodifluoromethane	ug/L	50	44.6	89	43-140	N3
Chloroethane	ug/L	50	51.7	103	49-151	
Chloroform	ug/L	50	54.5	109	72-122	
Chloromethane	ug/L	50	46.9	94	46-144	
cis-1,2-Dichloroethene	ug/L	50	49.8	100	72-121	
cis-1,3-Dichloropropene	ug/L	50	45.0	90	78-116	
Dibromochloromethane	ug/L	50	38.8	78	70-120	
Dibromomethane	ug/L	50	44.9	90	75-125	
Dichlorodifluoromethane	ug/L	50	36.3	73	22-154	CL
Ethanol	ug/L	1250	1690	135	10-151	CH
Ethylbenzene	ug/L	50	40.5	81	70-113	
Hexachloro-1,3-butadiene	ug/L	50	39.4	79	59-121	
Isopropylbenzene (Cumene)	ug/L	50	44.1	88	67-115	
Methylene Chloride	ug/L	50	51.4	103	61-142	
n-Butylbenzene	ug/L	50	47.1	94	73-107	
n-Propylbenzene	ug/L	50	46.3	93	68-116	
p-Isopropyltoluene	ug/L	50	43.9	88	73-101	
sec-Butylbenzene	ug/L	50	45.0	90	72-103	
Styrene	ug/L	50	41.2	82	72-118	
tert-Butylbenzene	ug/L	50	43.6	87	68-100	
Tetrachloroethene	ug/L	50	36.2	72	60-128	CL
Toluene	ug/L	50	45.5	91	72-119	
trans-1,2-Dichloroethene	ug/L	50	49.6	99	56-142	
trans-1,3-Dichloropropene	ug/L	50	42.9	86	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	50.9	102	71-121	
Trichloroethene	ug/L	50	43.5	87	69-117	
Vinyl chloride	ug/L	50	50.5	101	43-143	
Xylene (Total)	ug/L	150	120	80	71-109	
1,2-Dichloroethane-d4 (S)	%			107	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

LABORATORY CONTROL SAMPLE: 592787

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			97	79-124	
Toluene-d8 (S)	%			92	69-124	

MATRIX SPIKE SAMPLE: 593250

Parameter	Units	7099647001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	34.8	70	74-113	CL,M1
1,1,1-Trichloroethane	ug/L	<1.0	50	44.8	90	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	47.4	95	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	45.1	90	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	55.3	111	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	49.1	98	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	47.9	96	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	38.2	76	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	40.9	82	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	42.9	86	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	46.6	93	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	40.9	82	83-115	M1
1,2-Dichloroethane	ug/L	1.9	50	57.8	112	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	47.2	94	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	45.5	91	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	41.7	83	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	41.7	83	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	43.8	88	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	48.7	97	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	49.4	99	44-162	IL
2-Chlorotoluene	ug/L	<1.0	50	47.1	94	74-101	
2-Hexanone	ug/L	<5.0	50	41.5	83	32-183	
4-Chlorotoluene	ug/L	<1.0	50	47.8	96	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	47.9	96	69-132	
Acetone	ug/L	<5.0	50	52.8	106	23-188	CH,IC
Benzene	ug/L	1.4	50	47.2	92	73-119	
Bromobenzene	ug/L	<1.0	50	40.2	80	72-102	
Bromochloromethane	ug/L	<1.0	50	49.2	98	81-116	
Bromodichloromethane	ug/L	<1.0	50	46.0	92	78-117	
Bromoform	ug/L	<1.0	50	29.9	60	65-122	CL,M1
Bromomethane	ug/L	<1.0	50	25.0	50	52-147	M1
Carbon disulfide	ug/L	<1.0	50	50.0	100	41-144	
Carbon tetrachloride	ug/L	<1.0	50	46.2	92	59-120	
Chlorobenzene	ug/L	<1.0	50	39.4	79	75-113	
Chlorodifluoromethane	ug/L	27.0	50	73.9	94	43-140	N3
Chloroethane	ug/L	<1.0	50	49.7	99	49-151	
Chloroform	ug/L	<1.0	50	56.3	113	72-122	
Chloromethane	ug/L	<1.0	50	44.0	88	46-144	
cis-1,2-Dichloroethene	ug/L	2.8	50	53.4	101	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

MATRIX SPIKE SAMPLE: 593250		7099647001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	43.4	87	78-116	
Dibromochloromethane	ug/L	<1.0	50	35.6	71	70-120	
Dibromomethane	ug/L	<1.0	50	42.7	85	75-125	
Dichlorodifluoromethane	ug/L	1.4	50	34.1	65	22-154	CL
Ethanol	ug/L	<250	1250	1680	135	10-151	CH
Ethylbenzene	ug/L	<1.0	50	40.8	82	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	35.6	71	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	45.9	92	67-115	
Methylene Chloride	ug/L	2.1	50	53.1	102	61-142	
n-Butylbenzene	ug/L	<1.0	50	47.6	95	73-107	
n-Propylbenzene	ug/L	<1.0	50	48.5	97	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	44.2	88	73-101	
sec-Butylbenzene	ug/L	<1.0	50	45.9	92	72-103	
Styrene	ug/L	<1.0	50	39.4	79	72-118	
tert-Butylbenzene	ug/L	<1.0	50	44.3	89	68-100	
Tetrachloroethene	ug/L	<1.0	50	34.7	69	60-128	CL
Toluene	ug/L	<1.0	50	46.3	93	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	51.6	103	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	41.2	82	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	46.1	92	71-121	
Trichloroethene	ug/L	<1.0	50	44.9	90	69-117	
Vinyl chloride	ug/L	<1.0	50	53.5	107	43-143	
Xylene (Total)	ug/L	<3.0	150	120	80	71-109	
1,2-Dichloroethane-d4 (S)	%				104	68-153	
4-Bromofluorobenzene (S)	%				97	79-124	
Toluene-d8 (S)	%				92	69-124	

SAMPLE DUPLICATE: 593249

Parameter	Units	7099164002	Dup	RPD	Qualifiers
		Result	Result		
1,1,1,2-Tetrachloroethane	ug/L	<1.0	<1.0		CL
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	4.2		N3
1,2,4-Trimethylbenzene	ug/L	<1.0	191		
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	56.5		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

SAMPLE DUPLICATE: 593249

Parameter	Units	7099164002 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	13.5		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	<5.0	24.5		CH,IC
Benzene	ug/L	1.0	1.1	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		CL
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		CL
Ethanol	ug/L	<250	<250		
Ethylbenzene	ug/L	175	174	1	
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	8.1		
Methylene Chloride	ug/L	<1.0	<1.0		
n-Butylbenzene	ug/L	<1.0	<1.0		
n-Propylbenzene	ug/L	<1.0	21.2		
p-Isopropyltoluene	ug/L	<1.0	<1.0		
sec-Butylbenzene	ug/L	<1.0	1.7		
Styrene	ug/L	<1.0	<1.0		
tert-Butylbenzene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		CL
Toluene	ug/L	616	634	3 E	
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	984	988	0 ES	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

SAMPLE DUPLICATE: 593249

Parameter	Units	7099164002 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	107	108		
4-Bromofluorobenzene (S)	%	96	95		
Toluene-d8 (S)	%	91	88		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 7/30

Pace Project No.: 7099326

QC Batch:	124045	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	7099326001, 7099326002, 7099326003		

METHOD BLANK: 591051 Matrix: Water

Associated Lab Samples: 7099326001, 7099326002, 7099326003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	07/31/19 07:40	

LABORATORY CONTROL SAMPLE: 591052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	504	101	85-115	

MATRIX SPIKE SAMPLE: 591054

Parameter	Units	7099239001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	590	600	1150	93	75-125	

MATRIX SPIKE SAMPLE: 591056

Parameter	Units	7099328004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	61.0	300	356	98	75-125	

SAMPLE DUPLICATE: 591053

Parameter	Units	7099239001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	590	598	1	

SAMPLE DUPLICATE: 591055

Parameter	Units	7099328004 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	61.0	60.0	2	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 7/30

Pace Project No.: 7099326

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
ES	The reported result is estimated because one or more of the constituent results are qualified as such.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 7/30

Pace Project No.: 7099326

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7099326001	INFLUENT#1	EPA 200.7	124119	EPA 200.7	124145
7099326002	INFLUENT#2	EPA 200.7	124119	EPA 200.7	124145
7099326003	EFFLUENT#1	EPA 200.7	124119	EPA 200.7	124145
7099326001	INFLUENT#1	EPA 200.7	124318		
7099326002	INFLUENT#2	EPA 200.7	124318		
7099326003	EFFLUENT#1	EPA 200.7	124318		
7099326001	INFLUENT#1	EPA 8260C/5030C	124435		
7099326002	INFLUENT#2	EPA 8260C/5030C	124435		
7099326003	EFFLUENT#1	EPA 8260C/5030C	124435		
7099326001	INFLUENT#1	SM22 2540C	124045		
7099326002	INFLUENT#2	SM22 2540C	124045		
7099326003	EFFLUENT#1	SM22 2540C	124045		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

WO#: 7099326



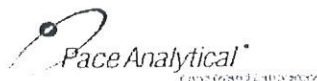
CHAIN-OF-CUSTODY / Analytical Request Document

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

Section C		Page: 1 Of 1	
Invoice Information:		Project Information:	
Company: Fairchild Corporation	Report To: Jason Fellows	Attention:	
Address: 136 Gazza Blvd.	Copy To:	Company Name:	
Farmingdale, NY 117351420		Address:	
Email: jason@wiretowater.com	Purchase Order #:	Pace Quote:	
Phone: NONE	Project Name: MONTHLY	Pace Project Manager: john.stanton@pacelabs.com,	
Fax:	Project #:	Pace Profile #: 5055	
Requested Due Date:			
Regulatory Agency:		State / Location: NY	

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	SAMPLE TEMP AT COLLECTION		# OF CONTAINERS	Preservatives								Y/N	Analyses Test							Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			START	END			DATE	TIME		DATE	TIME	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3		Methanol	Other	200.7 ICP Metals	Dissolved Metals by 200.7 (L)	Total Dissolved Solids (TDS)	VOC by 8260			
1	INFLUENT#1	WT	7/30/19	7/30/19	13:00	13:10	7/30/19	13:10											X	X	X	X	X		001		
2	INFLUENT#2	WT	7/30/19	7/30/19	13:15	13:25	7/30/19	13:25											X	X	X	X	X		002		
3	EFFLUENT#1	WT	7/30/19	7/30/19	13:30	13:40	7/30/19	13:40											X	X	X	X	X		003		
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION							DATE		TIME		SAMPLE CONDITIONS							
Jason Fellows			Jason Fellows		7/30/19				Dagmala-DACE							7/30/19 14:02		5.1		W N Y							

TEMP in C		Received on	Custody	Sealed	Cooler	Intact
SAMPLER NAME AND SIGNATURE						
PRINT Name of SAMPLER: Jason Fellows						
SIGNATURE of SAMPLER: <i>Jason Fellows</i>						
DATE Signed: 7/30/19						



Sample Condition Upon Receipt

Client Name:

Proj

WO#: 7099326

PM: JDS Due Date: 08/08/19

CLIENT: FAIR

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ NoTemperature Blank Present: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Ziploc ☐ None ☐ OtherType of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH091

Correction Factor: +0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 5.1

Cooler Temperature Corrected (°C): 5.3

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: SP 7/30/2019

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 ☒ NODid samples originate 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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # HC863463			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO 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
KI starch test strips Lot #			
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:

September 10, 2019

Jason Fellows
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

RE: Project: MONTHLY 8/29
Pace Project No.: 70103242

Dear Jason Fellows:

Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2019. 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: Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 8/29

Pace Project No.: 70103242

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 8/29

Pace Project No.: 70103242

Sample: INFLUENT#1		Lab ID: 70103242001	Collected: 08/29/19 15:35	Received: 08/29/19 16:15	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	09/03/19 11:00	09/05/19 15:27	7440-41-7	
Iron	1850	ug/L	100	1	09/03/19 11:00	09/05/19 15:27	7439-89-6	
Manganese	83.8	ug/L	10.0	1	09/03/19 11:00	09/05/19 15:27	7439-96-5	
Zinc	31.9	ug/L	20.0	1	09/03/19 11:00	09/05/19 15:27	7440-66-6	
200.7 Metals, Dissolved		Analytical Method: EPA 200.7						
Beryllium, Dissolved	<5.0	ug/L	5.0	1		09/10/19 13:29	7440-41-7	
Iron, Dissolved	27.6	ug/L	20.0	1		09/10/19 13:29	7439-89-6	
Manganese, Dissolved	70.4	ug/L	10.0	1		09/10/19 13:29	7439-96-5	
Zinc, Dissolved	38.8	ug/L	20.0	1		09/10/19 13:29	7440-66-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		09/03/19 20:55	67-64-1	
Benzene	1.6	ug/L	1.0	1		09/03/19 20:55	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		09/03/19 20:55	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		09/03/19 20:55	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		09/03/19 20:55	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		09/03/19 20:55	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		09/03/19 20:55	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		09/03/19 20:55	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/03/19 20:55	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	108-90-7	
Chlorodifluoromethane	1.3	ug/L	1.0	1		09/03/19 20:55	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		09/03/19 20:55	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		09/03/19 20:55	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/03/19 20:55	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		09/03/19 20:55	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		09/03/19 20:55	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/03/19 20:55	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		09/03/19 20:55	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		09/03/19 20:55	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/03/19 20:55	110-57-6	
Dichlorodifluoromethane	1.3	ug/L	1.0	1		09/03/19 20:55	75-71-8	CL
1,1-Dichloroethane	20.3	ug/L	1.0	1		09/03/19 20:55	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:55	107-06-2	
1,1-Dichloroethene	8.7	ug/L	1.0	1		09/03/19 20:55	75-35-4	CL
cis-1,2-Dichloroethene	314	ug/L	10.0	10		09/03/19 21:35	156-59-2	
trans-1,2-Dichloroethene	11.0	ug/L	1.0	1		09/03/19 20:55	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:55	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:55	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:55	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 8/29

Pace Project No.: 70103242

Sample: INFLUENT#1		Lab ID: 70103242001		Collected: 08/29/19 15:35		Received: 08/29/19 16:15		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		09/03/19 20:55	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/03/19 20:55	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/03/19 20:55	10061-02-6	L1	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	105-05-5	N3	
Ethanol	<250	ug/L	250	1		09/03/19 20:55	64-17-5	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		09/03/19 20:55	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		09/03/19 20:55	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		09/03/19 20:55	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		09/03/19 20:55	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		09/03/19 20:55	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		09/03/19 20:55	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	103-65-1		
Styrene	<1.0	ug/L	1.0	1		09/03/19 20:55	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/03/19 20:55	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/03/19 20:55	79-34-5		
Tetrachloroethene	843	ug/L	10.0	10		09/03/19 21:35	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		09/03/19 20:55	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:55	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:55	79-00-5		
Trichloroethene	173	ug/L	1.0	1		09/03/19 20:55	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:55	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:55	108-67-8		
Vinyl chloride	32.6	ug/L	1.0	1		09/03/19 20:55	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		09/03/19 20:55	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	126	%	68-153	1		09/03/19 20:55	17060-07-0		
4-Bromofluorobenzene (S)	87	%	79-124	1		09/03/19 20:55	460-00-4		
Toluene-d8 (S)	96	%	69-124	1		09/03/19 20:55	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	153	mg/L	10.0	1		09/04/19 10:26			
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C							
pH	5.8	Std. Units	0.10	1		09/03/19 13:52		H3,H6	
Temperature, Water (C)	23.6	deg C	0.10	1		09/03/19 13:52		H3,H6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 8/29

Pace Project No.: 70103242

Sample: INFLUENT#2		Lab ID: 70103242002	Collected: 08/29/19 15:45	Received: 08/29/19 16:15	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	09/03/19 11:00	09/05/19 15:28	7440-41-7	
Iron	3340	ug/L	100	1	09/03/19 11:00	09/05/19 15:28	7439-89-6	
Manganese	75.9	ug/L	10.0	1	09/03/19 11:00	09/05/19 15:28	7439-96-5	
Zinc	20.3	ug/L	20.0	1	09/03/19 11:00	09/05/19 15:28	7440-66-6	
200.7 Metals, Dissolved		Analytical Method: EPA 200.7						
Beryllium, Dissolved	<5.0	ug/L	5.0	1		09/10/19 13:31	7440-41-7	
Iron, Dissolved	119	ug/L	20.0	1		09/10/19 13:31	7439-89-6	
Manganese, Dissolved	78.0	ug/L	10.0	1		09/10/19 13:31	7439-96-5	
Zinc, Dissolved	<20.0	ug/L	20.0	1		09/10/19 13:31	7440-66-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		09/03/19 20:36	67-64-1	
Benzene	<1.0	ug/L	1.0	1		09/03/19 20:36	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		09/03/19 20:36	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		09/03/19 20:36	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		09/03/19 20:36	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		09/03/19 20:36	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		09/03/19 20:36	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		09/03/19 20:36	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/03/19 20:36	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		09/03/19 20:36	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		09/03/19 20:36	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		09/03/19 20:36	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/03/19 20:36	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		09/03/19 20:36	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		09/03/19 20:36	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/03/19 20:36	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		09/03/19 20:36	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		09/03/19 20:36	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/03/19 20:36	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		09/03/19 20:36	75-71-8	CL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:36	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:36	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/03/19 20:36	75-35-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/03/19 20:36	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/03/19 20:36	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:36	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:36	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:36	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 8/29

Pace Project No.: 70103242

Sample: INFLUENT#2		Lab ID: 70103242002		Collected: 08/29/19 15:45		Received: 08/29/19 16:15		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		09/03/19 20:36	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/03/19 20:36	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/03/19 20:36	10061-02-6	L1	
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	105-05-5	N3	
Ethanol	<250	ug/L	250	1		09/03/19 20:36	64-17-5	CL	
Ethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		09/03/19 20:36	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		09/03/19 20:36	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		09/03/19 20:36	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		09/03/19 20:36	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		09/03/19 20:36	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		09/03/19 20:36	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	103-65-1		
Styrene	<1.0	ug/L	1.0	1		09/03/19 20:36	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/03/19 20:36	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/03/19 20:36	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		09/03/19 20:36	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		09/03/19 20:36	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:36	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:36	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		09/03/19 20:36	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:36	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:36	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		09/03/19 20:36	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		09/03/19 20:36	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	133	%	68-153	1		09/03/19 20:36	17060-07-0		
4-Bromofluorobenzene (S)	86	%	79-124	1		09/03/19 20:36	460-00-4		
Toluene-d8 (S)	99	%	69-124	1		09/03/19 20:36	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	131	mg/L	10.0	1		09/04/19 10:26			
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C							
pH	6.6	Std. Units	0.10	1		09/03/19 13:52		H3,H6	
Temperature, Water (C)	23.6	deg C	0.10	1		09/03/19 13:52		H3,H6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 8/29

Pace Project No.: 70103242

Sample: EFFLUENT#1		Lab ID: 70103242003	Collected: 08/29/19 15:50	Received: 08/29/19 16:15	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	09/03/19 11:00	09/05/19 15:29	7440-41-7	
Iron	4490	ug/L	100	1	09/03/19 11:00	09/05/19 15:29	7439-89-6	
Manganese	69.1	ug/L	10.0	1	09/03/19 11:00	09/05/19 15:29	7439-96-5	
Zinc	29.6	ug/L	20.0	1	09/03/19 11:00	09/05/19 15:29	7440-66-6	
200.7 Metals, Dissolved		Analytical Method: EPA 200.7						
Beryllium, Dissolved	<5.0	ug/L	5.0	1		09/10/19 13:34	7440-41-7	
Iron, Dissolved	848	ug/L	20.0	1		09/10/19 13:34	7439-89-6	
Manganese, Dissolved	67.0	ug/L	10.0	1		09/10/19 13:34	7439-96-5	
Zinc, Dissolved	24.4	ug/L	20.0	1		09/10/19 13:34	7440-66-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		09/03/19 20:17	67-64-1	
Benzene	<1.0	ug/L	1.0	1		09/03/19 20:17	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		09/03/19 20:17	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		09/03/19 20:17	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		09/03/19 20:17	75-25-2	
Bromomethane	<1.0	ug/L	1.0	1		09/03/19 20:17	74-83-9	CL
2-Butanone (MEK)	<5.0	ug/L	5.0	1		09/03/19 20:17	78-93-3	
n-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	104-51-8	
sec-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	135-98-8	
tert-Butylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		09/03/19 20:17	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		09/03/19 20:17	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		09/03/19 20:17	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		09/03/19 20:17	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		09/03/19 20:17	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		09/03/19 20:17	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		09/03/19 20:17	95-49-8	
4-Chlorotoluene	<1.0	ug/L	1.0	1		09/03/19 20:17	106-43-4	
Dibromochloromethane	<1.0	ug/L	1.0	1		09/03/19 20:17	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		09/03/19 20:17	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		09/03/19 20:17	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		09/03/19 20:17	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		09/03/19 20:17	75-71-8	CL
1,1-Dichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:17	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:17	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		09/03/19 20:17	75-35-4	CL
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/03/19 20:17	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		09/03/19 20:17	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:17	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:17	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:17	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 8/29

Pace Project No.: 70103242

Sample: EFFLUENT#1		Lab ID: 70103242003	Collected: 08/29/19 15:50	Received: 08/29/19 16:15	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		09/03/19 20:17	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/03/19 20:17	10061-01-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		09/03/19 20:17	10061-02-6	L1
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	105-05-5	N3
Ethanol	<250	ug/L	250	1		09/03/19 20:17	64-17-5	CL
Ethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	100-41-4	
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		09/03/19 20:17	87-68-3	
2-Hexanone	<5.0	ug/L	5.0	1		09/03/19 20:17	591-78-6	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		09/03/19 20:17	98-82-8	
p-Isopropyltoluene	<1.0	ug/L	1.0	1		09/03/19 20:17	99-87-6	
Methylene Chloride	<1.0	ug/L	1.0	1		09/03/19 20:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		09/03/19 20:17	108-10-1	
n-Propylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	103-65-1	
Styrene	<1.0	ug/L	1.0	1		09/03/19 20:17	100-42-5	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/03/19 20:17	630-20-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		09/03/19 20:17	79-34-5	
Tetrachloroethene	<1.0	ug/L	1.0	1		09/03/19 20:17	127-18-4	
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	95-93-2	N3
Toluene	<1.0	ug/L	1.0	1		09/03/19 20:17	108-88-3	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	87-61-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:17	71-55-6	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		09/03/19 20:17	79-00-5	
Trichloroethene	<1.0	ug/L	1.0	1		09/03/19 20:17	79-01-6	
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		09/03/19 20:17	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		09/03/19 20:17	108-67-8	
Vinyl chloride	<1.0	ug/L	1.0	1		09/03/19 20:17	75-01-4	
Xylene (Total)	<3.0	ug/L	3.0	1		09/03/19 20:17	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	130	%	68-153	1		09/03/19 20:17	17060-07-0	
4-Bromofluorobenzene (S)	84	%	79-124	1		09/03/19 20:17	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		09/03/19 20:17	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	135	mg/L	10.0	1		09/04/19 10:27		
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C						
pH	6.4	Std. Units	0.10	1		09/03/19 13:52		H3,H6
Temperature, Water (C)	23.6	deg C	0.10	1		09/03/19 13:52		H3,H6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

QC Batch:	129258	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	70103242001, 70103242002, 70103242003		

METHOD BLANK: 617841 Matrix: Water

Associated Lab Samples: 70103242001, 70103242002, 70103242003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	09/10/19 13:15	
Iron, Dissolved	ug/L	<20.0	20.0	09/10/19 13:15	
Manganese, Dissolved	ug/L	<10.0	10.0	09/10/19 13:15	
Zinc, Dissolved	ug/L	<20.0	20.0	09/10/19 13:15	

LABORATORY CONTROL SAMPLE: 617842

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	51.5	103	85-115	
Iron, Dissolved	ug/L	2000	2070	103	85-115	
Manganese, Dissolved	ug/L	250	256	102	85-115	
Zinc, Dissolved	ug/L	1000	1040	104	85-115	

MATRIX SPIKE SAMPLE: 617845

Parameter	Units	70103063002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	47.2	94	70-130	
Iron, Dissolved	ug/L	364	2000	2320	98	70-130	
Manganese, Dissolved	ug/L	<10.0	250	247	95	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	994	97	70-130	

SAMPLE DUPLICATE: 617844

Parameter	Units	70103063002 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	364	372	2	
Manganese, Dissolved	ug/L	<10.0	<10.0		
Zinc, Dissolved	ug/L	<20.0	20.3		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

QC Batch: 128418 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 70103242001, 70103242002, 70103242003

METHOD BLANK: 613438 Matrix: Water

Associated Lab Samples: 70103242001, 70103242002, 70103242003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	09/05/19 15:06	
Iron	ug/L	<100	100	09/05/19 15:06	
Manganese	ug/L	<10.0	10.0	09/05/19 15:06	
Zinc	ug/L	<20.0	20.0	09/05/19 15:06	

LABORATORY CONTROL SAMPLE: 613439

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	53.1	106	85-115	
Iron	ug/L	2000	2130	106	85-115	
Manganese	ug/L	250	266	106	85-115	
Zinc	ug/L	1000	1060	106	85-115	

MATRIX SPIKE SAMPLE: 613441

Parameter	Units	70103031001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	53.8	108	70-130	
Iron	ug/L	960	2000	3180	111	70-130	
Manganese	ug/L	37.9	250	311	109	70-130	
Zinc	ug/L	34.4	1000	1120	109	70-130	

MATRIX SPIKE SAMPLE: 613443

Parameter	Units	70103028001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	57.6	106	70-130	
Iron	ug/L	165000	2000	164000	-50	70-130 M1	
Manganese	ug/L	2800	250	3010	84	70-130	
Zinc	ug/L	25.5	1000	1090	106	70-130	

SAMPLE DUPLICATE: 613440

Parameter	Units	70103031001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	960	940	2	
Manganese	ug/L	37.9	39.4	4	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

SAMPLE DUPLICATE: 613440

Parameter	Units	70103031001 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	34.4	34.8	1	

SAMPLE DUPLICATE: 613442

Parameter	Units	70103028001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	165000	167000	1	
Manganese	ug/L	2800	2830	1	
Zinc	ug/L	25.5	24.3	5	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

QC Batch:	128450	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	70103242001, 70103242002, 70103242003		

METHOD BLANK: 613674 Matrix: Water

Associated Lab Samples: 70103242001, 70103242002, 70103242003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	09/03/19 17:09	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/03/19 17:09	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/03/19 17:09	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/03/19 17:09	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/03/19 17:09	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/03/19 17:09	CL
1,1-Dichloropropene	ug/L	<1.0	1.0	09/03/19 17:09	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	09/03/19 17:09	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	09/03/19 17:09	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	09/03/19 17:09	
1,2-Dichloroethane	ug/L	<1.0	1.0	09/03/19 17:09	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/03/19 17:09	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	09/03/19 17:09	
1,3-Dichloropropane	ug/L	<1.0	1.0	09/03/19 17:09	
1,4-Diethylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	09/03/19 17:09	
2-Butanone (MEK)	ug/L	<5.0	5.0	09/03/19 17:09	
2-Chlorotoluene	ug/L	<1.0	1.0	09/03/19 17:09	
2-Hexanone	ug/L	<5.0	5.0	09/03/19 17:09	
4-Chlorotoluene	ug/L	<1.0	1.0	09/03/19 17:09	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	09/03/19 17:09	
Acetone	ug/L	<5.0	5.0	09/03/19 17:09	
Benzene	ug/L	<1.0	1.0	09/03/19 17:09	
Bromobenzene	ug/L	<1.0	1.0	09/03/19 17:09	
Bromochloromethane	ug/L	<1.0	1.0	09/03/19 17:09	
Bromodichloromethane	ug/L	<1.0	1.0	09/03/19 17:09	
Bromoform	ug/L	<1.0	1.0	09/03/19 17:09	
Bromomethane	ug/L	<1.0	1.0	09/03/19 17:09	CL
Carbon disulfide	ug/L	<1.0	1.0	09/03/19 17:09	
Carbon tetrachloride	ug/L	<1.0	1.0	09/03/19 17:09	
Chlorobenzene	ug/L	<1.0	1.0	09/03/19 17:09	
Chlorodifluoromethane	ug/L	<1.0	1.0	09/03/19 17:09	N3
Chloroethane	ug/L	<1.0	1.0	09/03/19 17:09	
Chloroform	ug/L	<1.0	1.0	09/03/19 17:09	
Chloromethane	ug/L	<1.0	1.0	09/03/19 17:09	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	09/03/19 17:09	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/03/19 17:09	
Dibromochloromethane	ug/L	<1.0	1.0	09/03/19 17:09	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

METHOD BLANK: 613674

Matrix: Water

Associated Lab Samples: 70103242001, 70103242002, 70103242003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	09/03/19 17:09	
Dichlorodifluoromethane	ug/L	<1.0	1.0	09/03/19 17:09	CL
Ethanol	ug/L	<250	250	09/03/19 17:09	CL
Ethylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	09/03/19 17:09	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	09/03/19 17:09	
Methylene Chloride	ug/L	<1.0	1.0	09/03/19 17:09	
n-Butylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	
n-Propylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	
p-Isopropyltoluene	ug/L	<1.0	1.0	09/03/19 17:09	
sec-Butylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	
Styrene	ug/L	<1.0	1.0	09/03/19 17:09	
tert-Butylbenzene	ug/L	<1.0	1.0	09/03/19 17:09	
Tetrachloroethene	ug/L	<1.0	1.0	09/03/19 17:09	
Toluene	ug/L	<1.0	1.0	09/03/19 17:09	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	09/03/19 17:09	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/03/19 17:09	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	09/03/19 17:09	
Trichloroethene	ug/L	<1.0	1.0	09/03/19 17:09	
Vinyl chloride	ug/L	<1.0	1.0	09/03/19 17:09	
Xylene (Total)	ug/L	<3.0	3.0	09/03/19 17:09	
1,2-Dichloroethane-d4 (S)	%	124	68-153	09/03/19 17:09	
4-Bromofluorobenzene (S)	%	88	79-124	09/03/19 17:09	
Toluene-d8 (S)	%	99	69-124	09/03/19 17:09	

LABORATORY CONTROL SAMPLE: 613675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.0	90	74-113	
1,1,1-Trichloroethane	ug/L	50	48.6	97	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	74-121	
1,1,2-Trichloroethane	ug/L	50	50.7	101	80-117	
1,1-Dichloroethane	ug/L	50	50.7	101	83-151	
1,1-Dichloroethene	ug/L	50	32.6	65	45-146	CL
1,1-Dichloropropene	ug/L	50	49.1	98	59-127	
1,2,3-Trichlorobenzene	ug/L	50	38.1	76	67-103	
1,2,3-Trichloropropane	ug/L	50	44.2	88	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	40.1	80	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	48.7	97	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	49.0	98	83-115	
1,2-Dichloroethane	ug/L	50	47.0	94	74-129	
1,2-Dichloropropane	ug/L	50	53.9	108	75-117	
1,3,5-Trimethylbenzene	ug/L	50	46.8	94	67-116	
1,3-Dichlorobenzene	ug/L	50	43.8	88	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

LABORATORY CONTROL SAMPLE: 613675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	45.2	90	74-112	
1,4-Diethylbenzene	ug/L	50	47.9	96	56-130	N3
2,2-Dichloropropane	ug/L	50	48.7	97	63-133	
2-Butanone (MEK)	ug/L	50	52.7	105	44-162	
2-Chlorotoluene	ug/L	50	47.4	95	74-101	
2-Hexanone	ug/L	50	52.7	105	32-183	IH
4-Chlorotoluene	ug/L	50	47.4	95	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	53.4	107	69-132	
Acetone	ug/L	50	47.2	94	23-188	
Benzene	ug/L	50	51.2	102	73-119	
Bromobenzene	ug/L	50	42.3	85	72-102	
Bromochloromethane	ug/L	50	43.9	88	81-116	
Bromodichloromethane	ug/L	50	54.8	110	78-117	
Bromoform	ug/L	50	52.6	105	65-122	
Bromomethane	ug/L	50	37.7	75	52-147	CL
Carbon disulfide	ug/L	50	53.2	106	41-144	
Carbon tetrachloride	ug/L	50	51.0	102	59-120	
Chlorobenzene	ug/L	50	40.5	81	75-113	
Chlorodifluoromethane	ug/L	50	45.9	92	43-140	N3
Chloroethane	ug/L	50	44.6	89	49-151	
Chloroform	ug/L	50	47.9	96	72-122	
Chloromethane	ug/L	50	44.2	88	46-144	
cis-1,2-Dichloroethene	ug/L	50	43.9	88	72-121	
cis-1,3-Dichloropropene	ug/L	50	56.6	113	78-116	CH
Dibromochloromethane	ug/L	50	50.0	100	70-120	
Dibromomethane	ug/L	50	44.4	89	75-125	
Dichlorodifluoromethane	ug/L	50	35.7	71	22-154	CL
Ethanol	ug/L	1250	940	75	10-151	CL
Ethylbenzene	ug/L	50	41.9	84	70-113	
Hexachloro-1,3-butadiene	ug/L	50	36.5	73	59-121	
Isopropylbenzene (Cumene)	ug/L	50	46.2	92	67-115	
Methylene Chloride	ug/L	50	46.7	93	61-142	
n-Butylbenzene	ug/L	50	50.0	100	73-107	
n-Propylbenzene	ug/L	50	48.5	97	68-116	
p-Isopropyltoluene	ug/L	50	46.8	94	73-101	
sec-Butylbenzene	ug/L	50	46.1	92	72-103	
Styrene	ug/L	50	46.7	93	72-118	
tert-Butylbenzene	ug/L	50	43.6	87	68-100	
Tetrachloroethene	ug/L	50	35.9	72	60-128	
Toluene	ug/L	50	47.7	95	72-119	
trans-1,2-Dichloroethene	ug/L	50	44.5	89	56-142	
trans-1,3-Dichloropropene	ug/L	50	58.4	117	79-116	CH, L1
trans-1,4-Dichloro-2-butene	ug/L	50	55.4	111	71-121	CH
Trichloroethene	ug/L	50	46.5	93	69-117	
Vinyl chloride	ug/L	50	43.5	87	43-143	
Xylene (Total)	ug/L	150	132	88	71-109	
1,2-Dichloroethane-d4 (S)	%			108	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

LABORATORY CONTROL SAMPLE: 613675

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			100	79-124	
Toluene-d8 (S)	%			99	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 613816

613817

Parameter	Units	70103373002 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	46.6	49.7	93	99	74-113	7	
1,1,1-Trichloroethane	ug/L	<1.0	50	50	55.4	57.0	111	114	65-118	3	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	53.4	57.7	107	115	74-121	8	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	57.6	58.6	115	117	80-117	2	
1,1-Dichloroethane	ug/L	<1.0	50	50	60.9	63.5	122	127	83-151	4	
1,1-Dichloroethene	ug/L	<1.0	50	50	49.3	39.5	99	79	45-146	22	CL,R1
1,1-Dichloropropene	ug/L	<1.0	50	50	56.3	59.1	113	118	59-127	5	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	40.6	48.1	81	96	67-103	17	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	47.2	51.0	94	102	71-123	8	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	50	44.1	48.6	88	97	66-103	10	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	54.4	59.5	109	119	68-116	9	M1
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	54.1	56.3	108	113	83-115	4	
1,2-Dichloroethane	ug/L	<1.0	50	50	57.3	58.6	115	117	74-129	2	
1,2-Dichloropropane	ug/L	<1.0	50	50	62.3	64.6	125	129	75-117	4	M1
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	52.5	57.3	105	115	67-116	9	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	47.5	50.8	95	102	71-112	7	
1,3-Dichloropropane	ug/L	<1.0	50	50	49.0	52.4	98	105	74-112	7	
1,4-Diethylbenzene	ug/L	<1.0	50	50	54.4	61.0	109	122	56-130	11	N3
2,2-Dichloropropane	ug/L	<1.0	50	50	52.9	53.8	106	108	63-133	2	
2-Butanone (MEK)	ug/L	<5.0	50	50	55.3	61.3	111	123	44-162	10	
2-Chlorotoluene	ug/L	<1.0	50	50	52.8	57.6	106	115	74-101	9	M1
2-Hexanone	ug/L	<5.0	50	50	49.2	56.4	98	113	32-183	14	IH
4-Chlorotoluene	ug/L	<1.0	50	50	52.4	56.8	105	114	74-101	8	M1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	58.1	65.0	116	130	69-132	11	
Acetone	ug/L	<5.0	50	50	44.7	49.3	89	99	23-188	10	
Benzene	ug/L	<1.0	50	50	59.3	61.0	119	122	73-119	3	M1
Bromobenzene	ug/L	<1.0	50	50	45.4	49.5	91	99	72-102	9	
Bromochloromethane	ug/L	<1.0	50	50	49.4	51.9	99	104	81-116	5	
Bromodichloromethane	ug/L	<1.0	50	50	59.7	61.8	119	124	78-117	3	M1
Bromoform	ug/L	<1.0	50	50	50.0	53.8	100	108	65-122	7	
Bromomethane	ug/L	<1.0	50	50	34.6	44.6	69	89	52-147	25	CL,R1
Carbon disulfide	ug/L	<1.0	50	50	53.4	66.0	107	132	41-144	21	R1
Carbon tetrachloride	ug/L	<1.0	50	50	55.7	57.2	111	114	59-120	3	
Chlorobenzene	ug/L	<1.0	50	50	44.1	46.7	88	93	75-113	6	
Chlorodifluoromethane	ug/L	<1.0	50	50	57.6	59.3	115	119	43-140	3	N3
Chloroethane	ug/L	<1.0	50	50	54.2	55.6	108	111	49-151	3	
Chloroform	ug/L	<1.0	50	50	56.8	58.8	114	118	72-122	3	
Chloromethane	ug/L	<1.0	50	50	50.5	52.6	101	105	46-144	4	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 613816 613817											
Parameter	Units	70103373002 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	54.1	56.6	108	113	72-121	5	
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	60.1	63.8	120	128	78-116	6	CH,M1
Dibromochloromethane	ug/L	<1.0	50	50	49.6	52.7	99	105	70-120	6	
Dibromomethane	ug/L	<1.0	50	50	49.8	49.1	100	98	75-125	1	
Dichlorodifluoromethane	ug/L	<1.0	50	50	41.6	42.8	83	86	22-154	3	CL
Ethanol	ug/L	<250	1250	1250	1420	1440	113	116	10-151	2	CL
Ethylbenzene	ug/L	<1.0	50	50	46.6	49.2	93	98	70-113	5	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	39.1	46.4	78	93	59-121	17	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	52.1	57.4	104	115	67-115	10	
Methylene Chloride	ug/L	<1.0	50	50	55.5	57.6	111	115	61-142	4	
n-Butylbenzene	ug/L	<1.0	50	50	56.9	62.9	114	126	73-107	10	M1
n-Propylbenzene	ug/L	<1.0	50	50	54.6	60.7	109	121	68-116	11	M1
p-Isopropyltoluene	ug/L	<1.0	50	50	53.5	58.7	107	117	73-101	9	M1
sec-Butylbenzene	ug/L	<1.0	50	50	53.1	59.2	106	118	72-103	11	M1
Styrene	ug/L	<1.0	50	50	50.7	52.7	101	105	72-118	4	
tert-Butylbenzene	ug/L	<1.0	50	50	50.2	55.4	100	111	68-100	10	M1
Tetrachloroethene	ug/L	<1.0	50	50	39.1	41.3	78	83	60-128	6	
Toluene	ug/L	<1.0	50	50	55.0	57.4	110	115	72-119	4	
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	51.4	54.0	103	108	56-142	5	
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	62.5	66.0	125	132	79-116	5	CH,M0
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	37.3	45.3	75	91	71-121	19	CH
Trichloroethene	ug/L	<1.0	50	50	52.7	55.0	105	110	69-117	4	
Vinyl chloride	ug/L	<1.0	50	50	51.4	53.1	103	106	43-143	3	
Xylene (Total)	ug/L	<3.0	150	150	146	155	97	103	71-109	6	
1,2-Dichloroethane-d4 (S)	%						109	108	68-153		
4-Bromofluorobenzene (S)	%						100	101	79-124		
Toluene-d8 (S)	%						100	99	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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

QC Batch:	128492	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	70103242001, 70103242002, 70103242003		

METHOD BLANK: 614091 Matrix: Water

Associated Lab Samples: 70103242001, 70103242002, 70103242003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	09/04/19 09:44	

LABORATORY CONTROL SAMPLE: 614092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	558	112	85-115	

MATRIX SPIKE SAMPLE: 614094

Parameter	Units	70102723029 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1600	600	2180	96	75-125	

MATRIX SPIKE SAMPLE: 614096

Parameter	Units	70103242003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	135	300	421	95	75-125	

SAMPLE DUPLICATE: 614093

Parameter	Units	70102723029 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	1600	1620	1	

SAMPLE DUPLICATE: 614095

Parameter	Units	70103242003 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	135	129	5	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 8/29

Pace Project No.: 70103242

QC Batch: 128388 Analysis Method: EPA 9040C

QC Batch Method: EPA 9040C Analysis Description: 9040 pH

Associated Lab Samples: 70103242001, 70103242002, 70103242003

SAMPLE DUPLICATE: 613242

Parameter	Units	70103128001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.5	7.5	0	H3,H6
Temperature, Water (C)	deg C	23.6	23.6	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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 8/29

Pace Project No.: 70103242

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
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.
IH	This analyte exceeded secondary source verification criteria high 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.
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.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

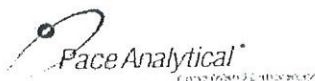
Project: MONTHLY 8/29

Pace Project No.: 70103242

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70103242001	INFLUENT#1	EPA 200.7	128418	EPA 200.7	128432
70103242002	INFLUENT#2	EPA 200.7	128418	EPA 200.7	128432
70103242003	EFFLUENT#1	EPA 200.7	128418	EPA 200.7	128432
70103242001	INFLUENT#1	EPA 200.7	129258		
70103242002	INFLUENT#2	EPA 200.7	129258		
70103242003	EFFLUENT#1	EPA 200.7	129258		
70103242001	INFLUENT#1	EPA 8260C/5030C	128450		
70103242002	INFLUENT#2	EPA 8260C/5030C	128450		
70103242003	EFFLUENT#1	EPA 8260C/5030C	128450		
70103242001	INFLUENT#1	SM22 2540C	128492		
70103242002	INFLUENT#2	SM22 2540C	128492		
70103242003	EFFLUENT#1	SM22 2540C	128492		
70103242001	INFLUENT#1	EPA 9040C	128388		
70103242002	INFLUENT#2	EPA 9040C	128388		
70103242003	EFFLUENT#1	EPA 9040C	128388		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Sample Condition Upon Receipt

Client Name:

Fairchild

WO#: **70103242**

PM: JDS

Due Date: 09/10/19

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

Thermometer Used: TH091

Correction Factor: +0.2

Cooler Temperature (°C): 3.5

Cooler Temperature Corrected (°C): 3.7

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☐ N/A, water sample

Date and Initials of person examining contents: K 8/29/19

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 originate 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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>HC863463</u>			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NaOH > 12 Cyanide)	☒ Yes	☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			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
KI starch test strips Lot #			
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:

October 09, 2019

Jason Fellows
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

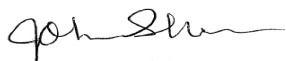
RE: Project: MONTHLY 9/30
Pace Project No.: 70106734

Dear Jason Fellows:

Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2019. 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: Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 9/30

Pace Project No.: 70106734

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 9/30

Pace Project No.: 70106734

Sample: INFLUENT #1		Lab ID: 70106734001		Collected: 09/30/19 13:35		Received: 09/30/19 14:48		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	10/02/19 12:39	10/08/19 16:35	7440-41-7		
Iron	820	ug/L	100	1	10/02/19 12:39	10/08/19 16:35	7439-89-6		
Manganese	78.9	ug/L	10.0	1	10/02/19 12:39	10/08/19 16:35	7439-96-5		
Zinc	65.8	ug/L	20.0	1	10/02/19 12:39	10/08/19 16:35	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		10/09/19 13:02	7440-41-7		
Iron, Dissolved	283	ug/L	20.0	1		10/09/19 13:02	7439-89-6		
Manganese, Dissolved	79.1	ug/L	10.0	1		10/09/19 13:02	7439-96-5		
Zinc, Dissolved	100	ug/L	20.0	1		10/09/19 13:02	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<50.0	ug/L	50.0	10		10/01/19 19:38	67-64-1	IC	
Benzene	<10.0	ug/L	10.0	10		10/01/19 19:38	71-43-2		
Bromobenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	108-86-1		
Bromochloromethane	<10.0	ug/L	10.0	10		10/01/19 19:38	74-97-5		
Bromodichloromethane	<10.0	ug/L	10.0	10		10/01/19 19:38	75-27-4		
Bromoform	<10.0	ug/L	10.0	10		10/01/19 19:38	75-25-2	CL	
Bromomethane	<10.0	ug/L	10.0	10		10/01/19 19:38	74-83-9		
2-Butanone (MEK)	<50.0	ug/L	50.0	10		10/01/19 19:38	78-93-3	IL	
n-Butylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	104-51-8	L1	
sec-Butylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	135-98-8		
tert-Butylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	98-06-6		
Carbon disulfide	<10.0	ug/L	10.0	10		10/01/19 19:38	75-15-0		
Carbon tetrachloride	<10.0	ug/L	10.0	10		10/01/19 19:38	56-23-5		
Chlorobenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	108-90-7		
Chlorodifluoromethane	<10.0	ug/L	10.0	10		10/01/19 19:38	75-45-6	N3	
Chloroethane	<10.0	ug/L	10.0	10		10/01/19 19:38	75-00-3		
Chloroform	<10.0	ug/L	10.0	10		10/01/19 19:38	67-66-3		
Chloromethane	<10.0	ug/L	10.0	10		10/01/19 19:38	74-87-3	CL	
2-Chlorotoluene	<10.0	ug/L	10.0	10		10/01/19 19:38	95-49-8		
4-Chlorotoluene	<10.0	ug/L	10.0	10		10/01/19 19:38	106-43-4		
Dibromochloromethane	<10.0	ug/L	10.0	10		10/01/19 19:38	124-48-1		
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		10/01/19 19:38	106-93-4		
Dibromomethane	<10.0	ug/L	10.0	10		10/01/19 19:38	74-95-3		
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	541-73-1		
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		10/01/19 19:38	110-57-6		
Dichlorodifluoromethane	<10.0	ug/L	10.0	10		10/01/19 19:38	75-71-8	CL	
1,1-Dichloroethane	15.2	ug/L	10.0	10		10/01/19 19:38	75-34-3		
1,2-Dichloroethane	<10.0	ug/L	10.0	10		10/01/19 19:38	107-06-2		
1,1-Dichloroethene	<10.0	ug/L	10.0	10		10/01/19 19:38	75-35-4		
cis-1,2-Dichloroethene	193	ug/L	10.0	10		10/01/19 19:38	156-59-2		
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	10		10/01/19 19:38	156-60-5		
1,2-Dichloropropane	<10.0	ug/L	10.0	10		10/01/19 19:38	78-87-5		
1,3-Dichloropropane	<10.0	ug/L	10.0	10		10/01/19 19:38	142-28-9		
2,2-Dichloropropane	<10.0	ug/L	10.0	10		10/01/19 19:38	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 9/30

Pace Project No.: 70106734

Sample: INFLUENT #1		Lab ID: 70106734001	Collected: 09/30/19 13:35	Received: 09/30/19 14:48	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		10/01/19 19:38	563-58-6	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		10/01/19 19:38	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		10/01/19 19:38	10061-02-6	
1,4-Diethylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	105-05-5	N3
Ethanol	<2500	ug/L	2500	10		10/01/19 19:38	64-17-5	
Ethylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	100-41-4	
Hexachloro-1,3-butadiene	<10.0	ug/L	10.0	10		10/01/19 19:38	87-68-3	
2-Hexanone	<50.0	ug/L	50.0	10		10/01/19 19:38	591-78-6	
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		10/01/19 19:38	98-82-8	
p-Isopropyltoluene	<10.0	ug/L	10.0	10		10/01/19 19:38	99-87-6	
Methylene Chloride	<10.0	ug/L	10.0	10		10/01/19 19:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		10/01/19 19:38	108-10-1	
n-Propylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	103-65-1	
Styrene	<10.0	ug/L	10.0	10		10/01/19 19:38	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		10/01/19 19:38	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		10/01/19 19:38	79-34-5	
Tetrachloroethene	511	ug/L	10.0	10		10/01/19 19:38	127-18-4	
1,2,4,5-tetramethylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	95-93-2	N3
Toluene	<10.0	ug/L	10.0	10		10/01/19 19:38	108-88-3	
1,2,3-Trichlorobenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	87-61-6	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		10/01/19 19:38	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		10/01/19 19:38	79-00-5	
Trichloroethene	93.1	ug/L	10.0	10		10/01/19 19:38	79-01-6	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		10/01/19 19:38	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		10/01/19 19:38	108-67-8	
Vinyl chloride	17.6	ug/L	10.0	10		10/01/19 19:38	75-01-4	CL
Xylene (Total)	<30.0	ug/L	30.0	10		10/01/19 19:38	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	68-153	10		10/01/19 19:38	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	10		10/01/19 19:38	460-00-4	
Toluene-d8 (S)	92	%	69-124	10		10/01/19 19:38	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	135	mg/L	10.0	1		10/02/19 10:09		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 9/30

Pace Project No.: 70106734

Sample: INFLUENT #2		Lab ID: 70106734002		Collected: 09/30/19 13:43		Received: 09/30/19 14:48		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	10/02/19 12:39	10/08/19 16:47	7440-41-7		
Iron	779	ug/L	100	1	10/02/19 12:39	10/08/19 16:47	7439-89-6		
Manganese	81.5	ug/L	10.0	1	10/02/19 12:39	10/08/19 16:47	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	10/02/19 12:39	10/08/19 16:47	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		10/09/19 13:11	7440-41-7		
Iron, Dissolved	496	ug/L	20.0	1		10/09/19 13:11	7439-89-6		
Manganese, Dissolved	75.9	ug/L	10.0	1		10/09/19 13:11	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		10/09/19 13:11	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		10/01/19 20:01	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		10/01/19 20:01	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		10/01/19 20:01	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		10/01/19 20:01	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		10/01/19 20:01	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		10/01/19 20:01	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		10/01/19 20:01	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	104-51-8	L1	
sec-Butylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		10/01/19 20:01	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		10/01/19 20:01	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		10/01/19 20:01	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		10/01/19 20:01	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		10/01/19 20:01	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		10/01/19 20:01	74-87-3	CL	
2-Chlorotoluene	<1.0	ug/L	1.0	1		10/01/19 20:01	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		10/01/19 20:01	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		10/01/19 20:01	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		10/01/19 20:01	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		10/01/19 20:01	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		10/01/19 20:01	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		10/01/19 20:01	75-71-8	CL	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		10/01/19 20:01	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		10/01/19 20:01	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		10/01/19 20:01	75-35-4		
cis-1,2-Dichloroethene	1.0	ug/L	1.0	1		10/01/19 20:01	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/01/19 20:01	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		10/01/19 20:01	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		10/01/19 20:01	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		10/01/19 20:01	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 9/30

Pace Project No.: 70106734

Sample: INFLUENT #2		Lab ID: 70106734002		Collected: 09/30/19 13:43		Received: 09/30/19 14:48		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		10/01/19 20:01	563-58-6	N3	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/01/19 20:01	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/01/19 20:01	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	105-05-5		
Ethanol	<250	ug/L	250	1		10/01/19 20:01	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		10/01/19 20:01	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		10/01/19 20:01	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		10/01/19 20:01	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		10/01/19 20:01	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		10/01/19 20:01	75-09-2	N3	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		10/01/19 20:01	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	103-65-1		
Styrene	<1.0	ug/L	1.0	1		10/01/19 20:01	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		10/01/19 20:01	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		10/01/19 20:01	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		10/01/19 20:01	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	95-93-2		
Toluene	<1.0	ug/L	1.0	1		10/01/19 20:01	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		10/01/19 20:01	71-55-6	CL	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		10/01/19 20:01	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		10/01/19 20:01	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		10/01/19 20:01	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		10/01/19 20:01	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		10/01/19 20:01	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		10/01/19 20:01	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%	68-153	1		10/01/19 20:01	17060-07-0		
4-Bromofluorobenzene (S)	96	%	79-124	1		10/01/19 20:01	460-00-4		
Toluene-d8 (S)	93	%	69-124	1		10/01/19 20:01	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	123	mg/L	10.0	1		10/02/19 10:09			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 9/30

Pace Project No.: 70106734

Sample: EFFLUENT #1		Lab ID: 70106734003		Collected: 09/30/19 13:53		Received: 09/30/19 14:48		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	10/02/19 12:39	10/08/19 16:49	7440-41-7		
Iron	737	ug/L	100	1	10/02/19 12:39	10/08/19 16:49	7439-89-6		
Manganese	80.3	ug/L	10.0	1	10/02/19 12:39	10/08/19 16:49	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	10/02/19 12:39	10/08/19 16:49	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		10/09/19 13:13	7440-41-7		
Iron, Dissolved	236	ug/L	20.0	1		10/09/19 13:13	7439-89-6		
Manganese, Dissolved	76.2	ug/L	10.0	1		10/09/19 13:13	7439-96-5		
Zinc, Dissolved	20.1	ug/L	20.0	1		10/09/19 13:13	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		10/01/19 19:15	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		10/01/19 19:15	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		10/01/19 19:15	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		10/01/19 19:15	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		10/01/19 19:15	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		10/01/19 19:15	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		10/01/19 19:15	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	104-51-8	L1	
sec-Butylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		10/01/19 19:15	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		10/01/19 19:15	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		10/01/19 19:15	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		10/01/19 19:15	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		10/01/19 19:15	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		10/01/19 19:15	74-87-3	CL	
2-Chlorotoluene	<1.0	ug/L	1.0	1		10/01/19 19:15	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		10/01/19 19:15	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		10/01/19 19:15	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		10/01/19 19:15	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		10/01/19 19:15	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		10/01/19 19:15	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		10/01/19 19:15	75-71-8	CL	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		10/01/19 19:15	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		10/01/19 19:15	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		10/01/19 19:15	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/01/19 19:15	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		10/01/19 19:15	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		10/01/19 19:15	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		10/01/19 19:15	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		10/01/19 19:15	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 9/30

Pace Project No.: 70106734

Sample: EFFLUENT #1		Lab ID: 70106734003		Collected: 09/30/19 13:53		Received: 09/30/19 14:48		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		10/01/19 19:15	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/01/19 19:15	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		10/01/19 19:15	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	105-05-5	N3	
Ethanol	<250	ug/L	250	1		10/01/19 19:15	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		10/01/19 19:15	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		10/01/19 19:15	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		10/01/19 19:15	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		10/01/19 19:15	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		10/01/19 19:15	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		10/01/19 19:15	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	103-65-1		
Styrene	<1.0	ug/L	1.0	1		10/01/19 19:15	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		10/01/19 19:15	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		10/01/19 19:15	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		10/01/19 19:15	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		10/01/19 19:15	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		10/01/19 19:15	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		10/01/19 19:15	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		10/01/19 19:15	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		10/01/19 19:15	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		10/01/19 19:15	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		10/01/19 19:15	75-01-4	CL	
Xylene (Total)	<3.0	ug/L	3.0	1		10/01/19 19:15	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	68-153	1		10/01/19 19:15	17060-07-0		
4-Bromofluorobenzene (S)	94	%	79-124	1		10/01/19 19:15	460-00-4		
Toluene-d8 (S)	92	%	69-124	1		10/01/19 19:15	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	114	mg/L	10.0	1		10/02/19 10:10			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 9/30

Pace Project No.: 70106734

QC Batch:	133256	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	70106734001, 70106734002, 70106734003		

METHOD BLANK: 637862 Matrix: Water

Associated Lab Samples: 70106734001, 70106734002, 70106734003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	10/09/19 12:57	
Iron, Dissolved	ug/L	<20.0	20.0	10/09/19 12:57	
Manganese, Dissolved	ug/L	<10.0	10.0	10/09/19 12:57	
Zinc, Dissolved	ug/L	<20.0	20.0	10/09/19 12:57	

LABORATORY CONTROL SAMPLE: 637863

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	1990	99	85-115	
Manganese, Dissolved	ug/L	250	246	98	85-115	
Zinc, Dissolved	ug/L	1000	989	99	85-115	

MATRIX SPIKE SAMPLE: 637866

Parameter	Units	70106734001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	46.7	93	70-130	
Iron, Dissolved	ug/L	283	2000	2190	96	70-130	
Manganese, Dissolved	ug/L	79.1	250	312	93	70-130	
Zinc, Dissolved	ug/L	100	1000	1050	95	70-130	

SAMPLE DUPLICATE: 637865

Parameter	Units	70106734001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	283	282	0	
Manganese, Dissolved	ug/L	79.1	77.6	2	
Zinc, Dissolved	ug/L	100	101	1	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 9/30

Pace Project No.: 70106734

QC Batch: 132637 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 70106734001, 70106734002, 70106734003

METHOD BLANK: 634137 Matrix: Water

Associated Lab Samples: 70106734001, 70106734002, 70106734003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	10/08/19 16:30	
Iron	ug/L	<100	100	10/08/19 16:30	
Manganese	ug/L	<10.0	10.0	10/08/19 16:30	
Zinc	ug/L	<20.0	20.0	10/08/19 16:30	

LABORATORY CONTROL SAMPLE: 634138

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	52.4	105	85-115	
Iron	ug/L	2000	2100	105	85-115	
Manganese	ug/L	250	264	106	85-115	
Zinc	ug/L	1000	1060	106	85-115	

MATRIX SPIKE SAMPLE: 634140

Parameter	Units	70106734001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	48.7	97	70-130	
Iron	ug/L	820	2000	2800	99	70-130	
Manganese	ug/L	78.9	250	325	98	70-130	
Zinc	ug/L	65.8	1000	1060	99	70-130	

SAMPLE DUPLICATE: 634139

Parameter	Units	70106734001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	820	832	1	
Manganese	ug/L	78.9	80.4	2	
Zinc	ug/L	65.8	66.8	2	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 9/30

Pace Project No.: 70106734

QC Batch:	132392	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	70106734001, 70106734002, 70106734003		

METHOD BLANK: 632892 Matrix: Water

Associated Lab Samples: 70106734001, 70106734002, 70106734003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	10/01/19 11:39	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	10/01/19 11:39	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	10/01/19 11:39	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	10/01/19 11:39	
1,1-Dichloroethane	ug/L	<1.0	1.0	10/01/19 11:39	
1,1-Dichloroethene	ug/L	<1.0	1.0	10/01/19 11:39	
1,1-Dichloropropene	ug/L	<1.0	1.0	10/01/19 11:39	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	10/01/19 11:39	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	10/01/19 11:39	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	10/01/19 11:39	
1,2-Dichloroethane	ug/L	<1.0	1.0	10/01/19 11:39	
1,2-Dichloropropane	ug/L	<1.0	1.0	10/01/19 11:39	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	10/01/19 11:39	
1,3-Dichloropropane	ug/L	<1.0	1.0	10/01/19 11:39	
1,4-Diethylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	10/01/19 11:39	
2-Butanone (MEK)	ug/L	<5.0	5.0	10/01/19 11:39	IL
2-Chlorotoluene	ug/L	<1.0	1.0	10/01/19 11:39	
2-Hexanone	ug/L	<5.0	5.0	10/01/19 11:39	
4-Chlorotoluene	ug/L	<1.0	1.0	10/01/19 11:39	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	10/01/19 11:39	
Acetone	ug/L	<5.0	5.0	10/01/19 11:39	IC
Benzene	ug/L	<1.0	1.0	10/01/19 11:39	
Bromobenzene	ug/L	<1.0	1.0	10/01/19 11:39	
Bromochloromethane	ug/L	<1.0	1.0	10/01/19 11:39	
Bromodichloromethane	ug/L	<1.0	1.0	10/01/19 11:39	
Bromoform	ug/L	<1.0	1.0	10/01/19 11:39	CL
Bromomethane	ug/L	<1.0	1.0	10/01/19 11:39	
Carbon disulfide	ug/L	<1.0	1.0	10/01/19 11:39	
Carbon tetrachloride	ug/L	<1.0	1.0	10/01/19 11:39	
Chlorobenzene	ug/L	<1.0	1.0	10/01/19 11:39	
Chlorodifluoromethane	ug/L	<1.0	1.0	10/01/19 11:39	N3
Chloroethane	ug/L	<1.0	1.0	10/01/19 11:39	
Chloroform	ug/L	<1.0	1.0	10/01/19 11:39	
Chloromethane	ug/L	<1.0	1.0	10/01/19 11:39	CL
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	10/01/19 11:39	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	10/01/19 11:39	
Dibromochloromethane	ug/L	<1.0	1.0	10/01/19 11:39	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 9/30

Pace Project No.: 70106734

METHOD BLANK: 632892

Matrix: Water

Associated Lab Samples: 70106734001, 70106734002, 70106734003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	10/01/19 11:39	CL
Dichlorodifluoromethane	ug/L	<1.0	1.0	10/01/19 11:39	
Ethanol	ug/L	<250	250	10/01/19 11:39	
Ethylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	10/01/19 11:39	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	10/01/19 11:39	
Methylene Chloride	ug/L	<1.0	1.0	10/01/19 11:39	
n-Butylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	
n-Propylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	
p-Isopropyltoluene	ug/L	<1.0	1.0	10/01/19 11:39	
sec-Butylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	
Styrene	ug/L	<1.0	1.0	10/01/19 11:39	
tert-Butylbenzene	ug/L	<1.0	1.0	10/01/19 11:39	
Tetrachloroethene	ug/L	<1.0	1.0	10/01/19 11:39	
Toluene	ug/L	<1.0	1.0	10/01/19 11:39	CL
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	10/01/19 11:39	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	10/01/19 11:39	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	10/01/19 11:39	
Trichloroethene	ug/L	<1.0	1.0	10/01/19 11:39	
Vinyl chloride	ug/L	<1.0	1.0	10/01/19 11:39	
Xylene (Total)	ug/L	<3.0	3.0	10/01/19 11:39	
1,2-Dichloroethane-d4 (S)	%	102	68-153	10/01/19 11:39	
4-Bromofluorobenzene (S)	%	95	79-124	10/01/19 11:39	
Toluene-d8 (S)	%	93	69-124	10/01/19 11:39	

LABORATORY CONTROL SAMPLE: 632893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	42.1	84	74-113	
1,1,1-Trichloroethane	ug/L	50	44.5	89	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	74-121	
1,1,2-Trichloroethane	ug/L	50	53.1	106	80-117	
1,1-Dichloroethane	ug/L	50	52.7	105	83-151	
1,1-Dichloroethene	ug/L	50	60.7	121	45-146	
1,1-Dichloropropene	ug/L	50	47.8	96	59-127	
1,2,3-Trichlorobenzene	ug/L	50	50.3	101	67-103	
1,2,3-Trichloropropane	ug/L	50	43.9	88	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	50.6	101	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	48.8	98	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	48.4	97	83-115	
1,2-Dichloroethane	ug/L	50	53.3	107	74-129	
1,2-Dichloropropane	ug/L	50	52.1	104	75-117	
1,3,5-Trimethylbenzene	ug/L	50	48.5	97	67-116	
1,3-Dichlorobenzene	ug/L	50	46.7	93	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 9/30

Pace Project No.: 70106734

LABORATORY CONTROL SAMPLE: 632893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	47.8	96	74-112	
1,4-Diethylbenzene	ug/L	50	50.0	100	56-130	N3
2,2-Dichloropropane	ug/L	50	44.1	88	63-133	
2-Butanone (MEK)	ug/L	50	42.7	85	44-162	IL
2-Chlorotoluene	ug/L	50	49.0	98	74-101	
2-Hexanone	ug/L	50	44.3	89	32-183	
4-Chlorotoluene	ug/L	50	49.6	99	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	50.7	101	69-132	
Acetone	ug/L	50	59.0	118	23-188	IC
Benzene	ug/L	50	48.6	97	73-119	
Bromobenzene	ug/L	50	41.8	84	72-102	
Bromochloromethane	ug/L	50	50.7	101	81-116	
Bromodichloromethane	ug/L	50	50.6	101	78-117	
Bromoform	ug/L	50	39.7	79	65-122	CL
Bromomethane	ug/L	50	37.7	75	52-147	
Carbon disulfide	ug/L	50	53.9	108	41-144	
Carbon tetrachloride	ug/L	50	47.3	95	59-120	
Chlorobenzene	ug/L	50	45.1	90	75-113	
Chlorodifluoromethane	ug/L	50	57.5	115	43-140	N3
Chloroethane	ug/L	50	45.9	92	49-151	
Chloroform	ug/L	50	54.5	109	72-122	
Chloromethane	ug/L	50	61.1	122	46-144	CL
cis-1,2-Dichloroethene	ug/L	50	50.7	101	72-121	
cis-1,3-Dichloropropene	ug/L	50	48.5	97	78-116	
Dibromochloromethane	ug/L	50	42.5	85	70-120	
Dibromomethane	ug/L	50	47.6	95	75-125	
Dichlorodifluoromethane	ug/L	50	43.2	86	22-154	CL
Ethanol	ug/L	1250	1680	134	10-151	
Ethylbenzene	ug/L	50	44.7	89	70-113	
Hexachloro-1,3-butadiene	ug/L	50	50.5	101	59-121	
Isopropylbenzene (Cumene)	ug/L	50	43.9	88	67-115	
Methylene Chloride	ug/L	50	57.8	116	61-142	
n-Butylbenzene	ug/L	50	54.3	109	73-107	L1
n-Propylbenzene	ug/L	50	48.4	97	68-116	
p-Isopropyltoluene	ug/L	50	48.1	96	73-101	
sec-Butylbenzene	ug/L	50	50.1	100	72-103	
Styrene	ug/L	50	45.9	92	72-118	
tert-Butylbenzene	ug/L	50	48.0	96	68-100	
Tetrachloroethene	ug/L	50	40.1	80	60-128	
Toluene	ug/L	50	49.9	100	72-119	
trans-1,2-Dichloroethene	ug/L	50	50.0	100	56-142	
trans-1,3-Dichloropropene	ug/L	50	46.7	93	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	52.7	105	71-121	
Trichloroethene	ug/L	50	46.2	92	69-117	
Vinyl chloride	ug/L	50	38.9	78	43-143	CL
Xylene (Total)	ug/L	150	134	89	71-109	
1,2-Dichloroethane-d4 (S)	%			93	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 9/30

Pace Project No.: 70106734

LABORATORY CONTROL SAMPLE: 632893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			99	79-124	
Toluene-d8 (S)	%			89	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 632894 632895

Parameter	70106529004 Units	70106529004 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	36.7	39.9	73	80	74-113	8	M1
1,1,1-Trichloroethane	ug/L	<1.0	50	50	38.6	45.1	77	90	65-118	16	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	44.6	46.7	89	93	74-121	5	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.0	47.6	96	95	80-117	1	
1,1-Dichloroethane	ug/L	2.9	50	50	48.4	52.4	91	99	83-151	8	
1,1-Dichloroethene	ug/L	<1.0	50	50	48.8	46.5	98	93	45-146	5	
1,1-Dichloropropene	ug/L	<1.0	50	50	43.2	47.9	86	96	59-127	10	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	50	46.3	50.4	93	101	67-103	8	
1,2,3-Trichloropropane	ug/L	<1.0	50	50	39.6	41.6	79	83	71-123	5	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	50	45.3	48.4	91	97	66-103	7	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50	43.1	46.0	86	92	68-116	7	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	50	44.0	43.6	88	87	83-115	1	
1,2-Dichloroethane	ug/L	<1.0	50	50	47.6	54.1	95	108	74-129	13	
1,2-Dichloropropane	ug/L	<1.0	50	50	47.9	47.2	96	94	75-117	1	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	50	43.4	46.3	87	93	67-116	6	
1,3-Dichlorobenzene	ug/L	<1.0	50	50	41.7	44.9	83	90	71-112	7	
1,3-Dichloropropane	ug/L	<1.0	50	50	42.9	45.6	86	91	74-112	6	
1,4-Diethylbenzene	ug/L	<1.0	50	50	45.5	48.9	91	98	56-130	7	N3
2,2-Dichloropropane	ug/L	<1.0	50	50	37.6	42.6	75	85	63-133	12	
2-Butanone (MEK)	ug/L	<5.0	50	50	38.0	37.7	76	75	44-162	1	IL
2-Chlorotoluene	ug/L	<1.0	50	50	43.6	46.3	87	93	74-101	6	
2-Hexanone	ug/L	<5.0	50	50	40.6	42.8	81	86	32-183	5	
4-Chlorotoluene	ug/L	<1.0	50	50	44.4	47.4	89	95	74-101	6	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	47.9	46.3	96	93	69-132	3	
Acetone	ug/L	<5.0	50	50	57.6	48.4	115	97	23-188	17	IC
Benzene	ug/L	<1.0	50	50	42.5	45.9	85	92	73-119	8	
Bromobenzene	ug/L	<1.0	50	50	39.7	42.3	79	85	72-102	6	
Bromochloromethane	ug/L	<1.0	50	50	46.1	50.9	92	102	81-116	10	
Bromodichloromethane	ug/L	<1.0	50	50	48.6	47.6	97	95	78-117	2	
Bromoform	ug/L	<1.0	50	50	33.4	36.1	67	72	65-122	8	CL
Bromomethane	ug/L	<1.0	50	50	32.6	31.7	65	63	52-147	3	
Carbon disulfide	ug/L	<1.0	50	50	42.2	38.6	84	77	41-144	9	
Carbon tetrachloride	ug/L	<1.0	50	50	37.0	48.3	74	97	59-120	27	R1
Chlorobenzene	ug/L	<1.0	50	50	40.8	43.3	82	87	75-113	6	
Chlorodifluoromethane	ug/L	<1.0	50	50	24.7	33.8	49	68	43-140	31	N3,R1
Chloroethane	ug/L	<1.0	50	50	33.3	34.5	67	69	49-151	3	
Chloroform	ug/L	<1.0	50	50	49.3	54.1	99	108	72-122	9	
Chloromethane	ug/L	<1.0	50	50	18.6	24.9	37	50	46-144	29	CL,M1,R1

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 9/30

Pace Project No.: 70106734

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 632894 632895											
Parameter	Units	70106529004		MS	MSD	632895		MS	MSD	% Rec	Qual
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	
cis-1,2-Dichloroethene	ug/L	<1.0	50	50	50	45.7	49.8	91	100	72-121	9
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	43.7	43.6	87	87	78-116	0
Dibromochloromethane	ug/L	<1.0	50	50	50	37.8	40.9	76	82	70-120	8
Dibromomethane	ug/L	<1.0	50	50	50	46.5	45.7	93	91	75-125	2
Dichlorodifluoromethane	ug/L	<1.0	50	50	50	11.3	13.2	23	26	22-154	16 CL
Ethanol	ug/L	<250	1250	1250	1250	1010	684	81	55	10-151	38 R1
Ethylbenzene	ug/L	<1.0	50	50	50	40.5	43.3	81	87	70-113	7
Hexachloro-1,3-butadiene	ug/L	<1.0	50	50	50	46.0	49.6	92	99	59-121	7
Isopropylbenzene (Cumene)	ug/L	<1.0	50	50	50	42.5	45.2	85	90	67-115	6
Methylene Chloride	ug/L	<1.0	50	50	50	49.8	45.1	100	90	61-142	10
n-Butylbenzene	ug/L	<1.0	50	50	50	49.7	53.5	99	107	73-107	7
n-Propylbenzene	ug/L	<1.0	50	50	50	45.1	47.7	90	95	68-116	6
p-Isopropyltoluene	ug/L	<1.0	50	50	50	43.2	46.5	86	93	73-101	8
sec-Butylbenzene	ug/L	<1.0	50	50	50	45.6	48.8	91	98	72-103	7
Styrene	ug/L	<1.0	50	50	50	39.6	43.1	79	86	72-118	9
tert-Butylbenzene	ug/L	<1.0	50	50	50	43.8	46.6	88	93	68-100	6
Tetrachloroethene	ug/L	<1.0	50	50	50	38.7	40.9	77	82	60-128	5
Toluene	ug/L	<1.0	50	50	50	47.9	47.3	96	95	72-119	1
trans-1,2-Dichloroethene	ug/L	<1.0	50	50	50	50.7	48.4	101	97	56-142	5
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	41.1	41.1	82	82	79-116	0
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	50	50	52.6	50.5	105	101	71-121	4
Trichloroethene	ug/L	<1.0	50	50	50	45.9	45.8	92	92	69-117	0
Vinyl chloride	ug/L	<1.0	50	50	50	23.1	24.4	46	49	43-143	6 CL
Xylene (Total)	ug/L	<3.0	150	150	150	118	127	79	85	71-109	7
1,2-Dichloroethane-d4 (S)	%							91	101	68-153	
4-Bromofluorobenzene (S)	%							95	95	79-124	
Toluene-d8 (S)	%							91	93	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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 9/30

Pace Project No.: 70106734

QC Batch:	132515	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	70106734001, 70106734002, 70106734003		

METHOD BLANK: 633749 Matrix: Water

Associated Lab Samples: 70106734001, 70106734002, 70106734003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	10/02/19 09:41	

LABORATORY CONTROL SAMPLE: 633750

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	466	93	85-115	

MATRIX SPIKE SAMPLE: 633752

Parameter	Units	70106594002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	124	300	431	102	75-125	

MATRIX SPIKE SAMPLE: 633754

Parameter	Units	70106773001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	223	300	517	98	75-125	

SAMPLE DUPLICATE: 633751

Parameter	Units	70106594002 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	124	122	2	

SAMPLE DUPLICATE: 633753

Parameter	Units	70106773001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	223	234	5	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 9/30

Pace Project No.: 70106734

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
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.
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.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 9/30

Pace Project No.: 70106734

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70106734001	INFLUENT #1	EPA 200.7	132637	EPA 200.7	132656
70106734002	INFLUENT #2	EPA 200.7	132637	EPA 200.7	132656
70106734003	EFFLUENT #1	EPA 200.7	132637	EPA 200.7	132656
70106734001	INFLUENT #1	EPA 200.7	133256		
70106734002	INFLUENT #2	EPA 200.7	133256		
70106734003	EFFLUENT #1	EPA 200.7	133256		
70106734001	INFLUENT #1	EPA 8260C/5030C	132392		
70106734002	INFLUENT #2	EPA 8260C/5030C	132392		
70106734003	EFFLUENT #1	EPA 8260C/5030C	132392		
70106734001	INFLUENT #1	SM22 2540C	132515		
70106734002	INFLUENT #2	SM22 2540C	132515		
70106734003	EFFLUENT #1	SM22 2540C	132515		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

[illegible]

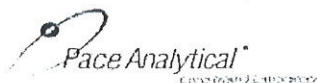
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C:

Rc, 70106721

Regulatory Agency
State / Location
NV

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)		MATRIX CODE (see valid codes to left)		SAMPLE TEMP AT COLLECTION		PRESERVATIVES							Y/N	Requested Analysis Filtered (Y/N)					Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			START	END	DATE	TIME	DATE	TIME	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other		200.7 ICP Metals	Dissolved Metals by 200.7 (I	Total Dissolved Solids (TDS	VOC by 8260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
1	INFLUENT#1	WT	9/30	13:30	9/30	13:35	5	2	1	2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							</



Sample Condition Upon Receipt

Client Name:

Friedrich

Proj

WO#: 70106734

PM: JDS Due Date: 10/09/19

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

Thermometer Used: TH091

Correction Factor: +0.2

Cooler Temperature (°C): 15.2

Cooler Temperature Corrected (°C): 15.4

Temperature Blank Present: ☐ Yes ☒ No

Type of Ice: Wet Blue None

☐ Samples on ice, cooling process has begun

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: W 9/30/19

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 originate 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 <u>SL WT OIL</u>			
All containers needing preservation have been checked	☒ Yes	☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>HC863463</u>			Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide)	☒ Yes	☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	☐ Yes	☐ No ☒ N/A	14.
KI starch test strips Lot #			
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:

November 11, 2019

Jason Fellows
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

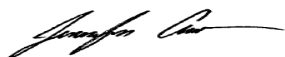
RE: Project: MONTHLY 10/31
Pace Project No.: 70110349

Dear Jason Fellows:

Enclosed are the analytical results for sample(s) received by the laboratory on October 31, 2019. 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,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 10/31

Pace Project No.: 70110349

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 10/31

Pace Project No.: 70110349

Sample: INFLUENT #1		Lab ID: 70110349001	Collected: 10/31/19 13:35	Received: 10/31/19 16:21	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	11/08/19 09:23	11/11/19 13:23	7440-41-7	
Iron	852	ug/L	100	1	11/08/19 09:23	11/11/19 13:23	7439-89-6	
Manganese	83.6	ug/L	10.0	1	11/08/19 09:23	11/11/19 13:23	7439-96-5	
Zinc	43.1	ug/L	20.0	1	11/08/19 09:23	11/11/19 13:23	7440-66-6	
200.7 Metals, Dissolved		Analytical Method: EPA 200.7						
Beryllium, Dissolved	<5.0	ug/L	5.0	1		11/11/19 11:59	7440-41-7	
Iron, Dissolved	90.7	ug/L	20.0	1		11/11/19 11:59	7439-89-6	
Manganese, Dissolved	84.1	ug/L	10.0	1		11/11/19 11:59	7439-96-5	
Zinc, Dissolved	28.7	ug/L	20.0	1		11/11/19 11:59	7440-66-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<50.0	ug/L	50.0	10		11/09/19 15:06	67-64-1	
Benzene	<10.0	ug/L	10.0	10		11/09/19 15:06	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		11/09/19 15:06	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		11/09/19 15:06	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		11/09/19 15:06	75-25-2	CL
Bromomethane	<10.0	ug/L	10.0	10		11/09/19 15:06	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		11/09/19 15:06	78-93-3	
n-Butylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	104-51-8	
sec-Butylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	135-98-8	
tert-Butylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	98-06-6	
Carbon disulfide	<10.0	ug/L	10.0	10		11/09/19 15:06	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		11/09/19 15:06	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	108-90-7	
Chlorodifluoromethane	<10.0	ug/L	10.0	10		11/09/19 15:06	75-45-6	N3
Chloroethane	<10.0	ug/L	10.0	10		11/09/19 15:06	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		11/09/19 15:06	67-66-3	
Chloromethane	<10.0	ug/L	10.0	10		11/09/19 15:06	74-87-3	
2-Chlorotoluene	<10.0	ug/L	10.0	10		11/09/19 15:06	95-49-8	
4-Chlorotoluene	<10.0	ug/L	10.0	10		11/09/19 15:06	106-43-4	
Dibromochloromethane	<10.0	ug/L	10.0	10		11/09/19 15:06	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		11/09/19 15:06	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		11/09/19 15:06	74-95-3	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	541-73-1	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		11/09/19 15:06	110-57-6	
Dichlorodifluoromethane	<10.0	ug/L	10.0	10		11/09/19 15:06	75-71-8	CL
1,1-Dichloroethane	14.6	ug/L	10.0	10		11/09/19 15:06	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		11/09/19 15:06	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		11/09/19 15:06	75-35-4	
cis-1,2-Dichloroethene	194	ug/L	10.0	10		11/09/19 15:06	156-59-2	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	10		11/09/19 15:06	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		11/09/19 15:06	78-87-5	
1,3-Dichloropropane	<10.0	ug/L	10.0	10		11/09/19 15:06	142-28-9	
2,2-Dichloropropane	<10.0	ug/L	10.0	10		11/09/19 15:06	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 10/31

Pace Project No.: 70110349

Sample: INFLUENT #1		Lab ID: 70110349001	Collected: 10/31/19 13:35	Received: 10/31/19 16:21	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		11/09/19 15:06	563-58-6	
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		11/09/19 15:06	10061-01-5	
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		11/09/19 15:06	10061-02-6	
1,4-Diethylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	105-05-5	N3
Ethanol	<2500	ug/L	2500	10		11/09/19 15:06	64-17-5	IC
Ethylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	100-41-4	
Hexachloro-1,3-butadiene	<10.0	ug/L	10.0	10		11/09/19 15:06	87-68-3	
2-Hexanone	<50.0	ug/L	50.0	10		11/09/19 15:06	591-78-6	IL
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		11/09/19 15:06	98-82-8	
p-Isopropyltoluene	<10.0	ug/L	10.0	10		11/09/19 15:06	99-87-6	
Methylene Chloride	<10.0	ug/L	10.0	10		11/09/19 15:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		11/09/19 15:06	108-10-1	
n-Propylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	103-65-1	
Styrene	<10.0	ug/L	10.0	10		11/09/19 15:06	100-42-5	
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		11/09/19 15:06	630-20-6	
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		11/09/19 15:06	79-34-5	
Tetrachloroethene	560	ug/L	10.0	10		11/09/19 15:06	127-18-4	
1,2,4,5-tetramethylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	95-93-2	N3
Toluene	<10.0	ug/L	10.0	10		11/09/19 15:06	108-88-3	
1,2,3-Trichlorobenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	87-61-6	
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		11/09/19 15:06	71-55-6	
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		11/09/19 15:06	79-00-5	
Trichloroethene	91.5	ug/L	10.0	10		11/09/19 15:06	79-01-6	
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		11/09/19 15:06	96-18-4	
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	95-63-6	
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		11/09/19 15:06	108-67-8	
Vinyl chloride	27.9	ug/L	10.0	10		11/09/19 15:06	75-01-4	
Xylene (Total)	<30.0	ug/L	30.0	10		11/09/19 15:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%	68-153	10		11/09/19 15:06	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-124	10		11/09/19 15:06	460-00-4	
Toluene-d8 (S)	96	%	69-124	10		11/09/19 15:06	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM22 2540C						
Total Dissolved Solids	139	mg/L	10.0	1		11/07/19 10:39		
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C						
pH	5.2	Std. Units	0.10	1		11/05/19 19:12		H3,H6
Temperature, Water (C)	22.8	deg C	0.10	1		11/05/19 19:12		H3,H6

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 10/31

Pace Project No.: 70110349

Sample: INFLUENT #2		Lab ID: 70110349002		Collected: 10/31/19 13:45		Received: 10/31/19 16:21		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	11/08/19 09:23	11/11/19 13:25	7440-41-7		
Iron	848	ug/L	100	1	11/08/19 09:23	11/11/19 13:25	7439-89-6		
Manganese	83.2	ug/L	10.0	1	11/08/19 09:23	11/11/19 13:25	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	11/08/19 09:23	11/11/19 13:25	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		11/11/19 12:06	7440-41-7		
Iron, Dissolved	29.4	ug/L	20.0	1		11/11/19 12:06	7439-89-6		
Manganese, Dissolved	84.8	ug/L	10.0	1		11/11/19 12:06	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		11/11/19 12:06	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		11/09/19 15:29	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		11/09/19 15:29	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/09/19 15:29	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/09/19 15:29	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/09/19 15:29	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		11/09/19 15:29	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/09/19 15:29	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	104-51-8		
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	135-98-8		
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/09/19 15:29	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/09/19 15:29	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/09/19 15:29	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		11/09/19 15:29	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/09/19 15:29	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/09/19 15:29	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/09/19 15:29	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/09/19 15:29	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/09/19 15:29	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/09/19 15:29	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		11/09/19 15:29	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/09/19 15:29	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/09/19 15:29	75-71-8	CL	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/09/19 15:29	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/09/19 15:29	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/09/19 15:29	75-35-4		
cis-1,2-Dichloroethene	1.6	ug/L	1.0	1		11/09/19 15:29	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/09/19 15:29	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/09/19 15:29	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/09/19 15:29	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/09/19 15:29	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 10/31

Pace Project No.: 70110349

Sample: INFLUENT #2		Lab ID: 70110349002		Collected: 10/31/19 13:45		Received: 10/31/19 16:21		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		11/09/19 15:29	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/09/19 15:29	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/09/19 15:29	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	105-05-5	N3	
Ethanol	<250	ug/L	250	1		11/09/19 15:29	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/09/19 15:29	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/09/19 15:29	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/09/19 15:29	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/09/19 15:29	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		11/09/19 15:29	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/09/19 15:29	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	103-65-1		
Styrene	<1.0	ug/L	1.0	1		11/09/19 15:29	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/09/19 15:29	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/09/19 15:29	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/09/19 15:29	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		11/09/19 15:29	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/09/19 15:29	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/09/19 15:29	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/09/19 15:29	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/09/19 15:29	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:29	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		11/09/19 15:29	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/09/19 15:29	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%	68-153	1		11/09/19 15:29	17060-07-0		
4-Bromofluorobenzene (S)	96	%	79-124	1		11/09/19 15:29	460-00-4		
Toluene-d8 (S)	95	%	69-124	1		11/09/19 15:29	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	137	mg/L	10.0	1		11/07/19 10:39			
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C							
pH	6.7	Std. Units	0.10	1		11/05/19 19:12		H3,H6	
Temperature, Water (C)	22.8	deg C	0.10	1		11/05/19 19:12		H3,H6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 10/31

Pace Project No.: 70110349

Sample: EFFLUENT #1		Lab ID: 70110349003		Collected: 10/31/19 13:55		Received: 10/31/19 16:21		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	11/08/19 09:23	11/11/19 13:28	7440-41-7		
Iron	971	ug/L	100	1	11/08/19 09:23	11/11/19 13:28	7439-89-6		
Manganese	84.4	ug/L	10.0	1	11/08/19 09:23	11/11/19 13:28	7439-96-5		
Zinc	20.9	ug/L	20.0	1	11/08/19 09:23	11/11/19 13:28	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		11/11/19 12:16	7440-41-7		
Iron, Dissolved	99.9	ug/L	20.0	1		11/11/19 12:16	7439-89-6		
Manganese, Dissolved	83.2	ug/L	10.0	1		11/11/19 12:16	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		11/11/19 12:16	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		11/09/19 15:52	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		11/09/19 15:52	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		11/09/19 15:52	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		11/09/19 15:52	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		11/09/19 15:52	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		11/09/19 15:52	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		11/09/19 15:52	78-93-3	IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	104-51-8	M1	
sec-Butylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	135-98-8	M1	
tert-Butylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		11/09/19 15:52	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		11/09/19 15:52	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		11/09/19 15:52	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		11/09/19 15:52	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		11/09/19 15:52	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		11/09/19 15:52	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		11/09/19 15:52	95-49-8		
4-Chlorotoluene	<1.0	ug/L	1.0	1		11/09/19 15:52	106-43-4		
Dibromochloromethane	<1.0	ug/L	1.0	1		11/09/19 15:52	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		11/09/19 15:52	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		11/09/19 15:52	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		11/09/19 15:52	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		11/09/19 15:52	75-71-8	CL	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		11/09/19 15:52	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		11/09/19 15:52	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		11/09/19 15:52	75-35-4		
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/09/19 15:52	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		11/09/19 15:52	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		11/09/19 15:52	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		11/09/19 15:52	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		11/09/19 15:52	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 10/31

Pace Project No.: 70110349

Sample: EFFLUENT #1		Lab ID: 70110349003		Collected: 10/31/19 13:55		Received: 10/31/19 16:21		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		11/09/19 15:52	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/09/19 15:52	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		11/09/19 15:52	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	105-05-5	N3	
Ethanol	<250	ug/L	250	1		11/09/19 15:52	64-17-5		
Ethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		11/09/19 15:52	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		11/09/19 15:52	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		11/09/19 15:52	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		11/09/19 15:52	99-87-6	M1	
Methylene Chloride	<1.0	ug/L	1.0	1		11/09/19 15:52	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		11/09/19 15:52	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	103-65-1		
Styrene	<1.0	ug/L	1.0	1		11/09/19 15:52	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/09/19 15:52	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		11/09/19 15:52	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		11/09/19 15:52	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		11/09/19 15:52	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		11/09/19 15:52	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		11/09/19 15:52	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		11/09/19 15:52	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		11/09/19 15:52	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		11/09/19 15:52	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		11/09/19 15:52	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		11/09/19 15:52	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	90	%	68-153	1		11/09/19 15:52	17060-07-0		
4-Bromofluorobenzene (S)	97	%	79-124	1		11/09/19 15:52	460-00-4		
Toluene-d8 (S)	96	%	69-124	1		11/09/19 15:52	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	142	mg/L	10.0	1		11/07/19 11:01			
9040 Corrosivity-pH >20% water		Analytical Method: EPA 9040C							
pH	6.8	Std. Units	0.10	1		11/05/19 19:12		H3,H6	
Temperature, Water (C)	22.8	deg C	0.10	1		11/05/19 19:12		H3,H6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

QC Batch:	137902	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	70110349001, 70110349002, 70110349003		

METHOD BLANK: 660363 Matrix: Water

Associated Lab Samples: 70110349001, 70110349002, 70110349003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	11/11/19 11:54	
Iron, Dissolved	ug/L	<20.0	20.0	11/11/19 11:54	
Manganese, Dissolved	ug/L	<10.0	10.0	11/11/19 11:54	
Zinc, Dissolved	ug/L	<20.0	20.0	11/11/19 11:54	

LABORATORY CONTROL SAMPLE: 660364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	50	52.4	105	85-115	
Iron, Dissolved	ug/L	2000	2100	105	85-115	
Manganese, Dissolved	ug/L	250	261	104	85-115	
Zinc, Dissolved	ug/L	1000	1050	105	85-115	

MATRIX SPIKE SAMPLE: 660366

Parameter	Units	70110349001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	45.8	91	70-130	
Iron, Dissolved	ug/L	90.7	2000	1990	95	70-130	
Manganese, Dissolved	ug/L	84.1	250	316	93	70-130	
Zinc, Dissolved	ug/L	28.7	1000	975	95	70-130	

MATRIX SPIKE SAMPLE: 660368

Parameter	Units	70110349002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	50	46.1	92	70-130	
Iron, Dissolved	ug/L	29.4	2000	1930	95	70-130	
Manganese, Dissolved	ug/L	84.8	250	316	92	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	972	95	70-130	

SAMPLE DUPLICATE: 660365

Parameter	Units	70110349001 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	90.7	92.2	2	
Manganese, Dissolved	ug/L	84.1	83.6	1	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

SAMPLE DUPLICATE: 660365

Parameter	Units	70110349001 Result	Dup Result	RPD	Qualifiers
Zinc, Dissolved	ug/L	28.7	28.6	0	

SAMPLE DUPLICATE: 660367

Parameter	Units	70110349002 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Iron, Dissolved	ug/L	29.4	27.8	6	
Manganese, Dissolved	ug/L	84.8	83.4	2	
Zinc, Dissolved	ug/L	<20.0	<20.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

QC Batch: 137840 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 70110349001, 70110349002, 70110349003

METHOD BLANK: 660115 Matrix: Water

Associated Lab Samples: 70110349001, 70110349002, 70110349003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	11/11/19 16:03	
Iron	ug/L	<100	100	11/11/19 16:03	
Manganese	ug/L	<10.0	10.0	11/11/19 16:03	
Zinc	ug/L	<20.0	20.0	11/11/19 16:03	

LABORATORY CONTROL SAMPLE: 660116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	50.5	101	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: 660118

Parameter	Units	70110267001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	51.7	103	70-130	
Iron	ug/L	11000	2000	13500	125	70-130	
Manganese	ug/L	35.9	250	302	106	70-130	
Zinc	ug/L	21.1	1000	1070	105	70-130	

MATRIX SPIKE SAMPLE: 660120

Parameter	Units	70110468002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	<5.0	50	55.7	111	70-130	
Iron	ug/L	<100	2000	2300	112	70-130	
Manganese	ug/L	<10.0	250	287	113	70-130	
Zinc	ug/L	143	1000	1280	114	70-130	

SAMPLE DUPLICATE: 660117

Parameter	Units	70110267001 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	11000	11000	0	
Manganese	ug/L	35.9	36.3	1	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

SAMPLE DUPLICATE: 660117

Parameter	Units	70110267001 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	21.1	21.4	1	

SAMPLE DUPLICATE: 660119

Parameter	Units	70110468002 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	<5.0	<5.0		
Iron	ug/L	<100	<100		
Manganese	ug/L	<10.0	<10.0		
Zinc	ug/L	143	146	2	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

QC Batch:	137963	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	70110349001, 70110349002, 70110349003		

METHOD BLANK: 660719 Matrix: Water

Associated Lab Samples: 70110349001, 70110349002, 70110349003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	11/09/19 12:46	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	11/09/19 12:46	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	11/09/19 12:46	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	11/09/19 12:46	
1,1-Dichloroethane	ug/L	<1.0	1.0	11/09/19 12:46	
1,1-Dichloroethene	ug/L	<1.0	1.0	11/09/19 12:46	
1,1-Dichloropropene	ug/L	<1.0	1.0	11/09/19 12:46	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	11/09/19 12:46	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	11/09/19 12:46	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	11/09/19 12:46	
1,2-Dichloroethane	ug/L	<1.0	1.0	11/09/19 12:46	
1,2-Dichloropropane	ug/L	<1.0	1.0	11/09/19 12:46	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	11/09/19 12:46	
1,3-Dichloropropane	ug/L	<1.0	1.0	11/09/19 12:46	
1,4-Diethylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	11/09/19 12:46	
2-Butanone (MEK)	ug/L	<5.0	5.0	11/09/19 12:46	IL
2-Chlorotoluene	ug/L	<1.0	1.0	11/09/19 12:46	
2-Hexanone	ug/L	<5.0	5.0	11/09/19 12:46	
4-Chlorotoluene	ug/L	<1.0	1.0	11/09/19 12:46	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	11/09/19 12:46	
Acetone	ug/L	<5.0	5.0	11/09/19 12:46	IC
Benzene	ug/L	<1.0	1.0	11/09/19 12:46	
Bromobenzene	ug/L	<1.0	1.0	11/09/19 12:46	
Bromochloromethane	ug/L	<1.0	1.0	11/09/19 12:46	
Bromodichloromethane	ug/L	<1.0	1.0	11/09/19 12:46	
Bromoform	ug/L	<1.0	1.0	11/09/19 12:46	CL
Bromomethane	ug/L	<1.0	1.0	11/09/19 12:46	
Carbon disulfide	ug/L	<1.0	1.0	11/09/19 12:46	
Carbon tetrachloride	ug/L	<1.0	1.0	11/09/19 12:46	
Chlorobenzene	ug/L	<1.0	1.0	11/09/19 12:46	
Chlorodifluoromethane	ug/L	<1.0	1.0	11/09/19 12:46	N3
Chloroethane	ug/L	<1.0	1.0	11/09/19 12:46	
Chloroform	ug/L	<1.0	1.0	11/09/19 12:46	
Chloromethane	ug/L	<1.0	1.0	11/09/19 12:46	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	11/09/19 12:46	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	11/09/19 12:46	
Dibromochloromethane	ug/L	<1.0	1.0	11/09/19 12:46	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

METHOD BLANK: 660719

Matrix: Water

Associated Lab Samples: 70110349001, 70110349002, 70110349003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	11/09/19 12:46	CL
Dichlorodifluoromethane	ug/L	<1.0	1.0	11/09/19 12:46	
Ethanol	ug/L	<250	250	11/09/19 12:46	
Ethylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	11/09/19 12:46	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	11/09/19 12:46	
Methylene Chloride	ug/L	<1.0	1.0	11/09/19 12:46	
n-Butylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	
n-Propylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	
p-Isopropyltoluene	ug/L	<1.0	1.0	11/09/19 12:46	
sec-Butylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	
Styrene	ug/L	<1.0	1.0	11/09/19 12:46	
tert-Butylbenzene	ug/L	<1.0	1.0	11/09/19 12:46	
Tetrachloroethene	ug/L	<1.0	1.0	11/09/19 12:46	
Toluene	ug/L	<1.0	1.0	11/09/19 12:46	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	11/09/19 12:46	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	11/09/19 12:46	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	11/09/19 12:46	
Trichloroethene	ug/L	<1.0	1.0	11/09/19 12:46	
Vinyl chloride	ug/L	<1.0	1.0	11/09/19 12:46	
Xylene (Total)	ug/L	<3.0	3.0	11/09/19 12:46	
1,2-Dichloroethane-d4 (S)	%	91	68-153	11/09/19 12:46	
4-Bromofluorobenzene (S)	%	96	79-124	11/09/19 12:46	
Toluene-d8 (S)	%	96	69-124	11/09/19 12:46	

LABORATORY CONTROL SAMPLE: 660720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	40.9	82	74-113	
1,1,1-Trichloroethane	ug/L	50	41.0	82	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	74-121	
1,1,2-Trichloroethane	ug/L	50	46.5	93	80-117	
1,1-Dichloroethane	ug/L	50	48.2	96	83-151	
1,1-Dichloroethene	ug/L	50	48.3	97	45-146	
1,1-Dichloropropene	ug/L	50	44.4	89	59-127	
1,2,3-Trichlorobenzene	ug/L	50	47.4	95	67-103	
1,2,3-Trichloropropane	ug/L	50	40.6	81	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	44.9	90	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	43.7	87	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	43.1	86	83-115	
1,2-Dichloroethane	ug/L	50	47.3	95	74-129	
1,2-Dichloropropane	ug/L	50	46.4	93	75-117	
1,3,5-Trimethylbenzene	ug/L	50	43.1	86	67-116	
1,3-Dichlorobenzene	ug/L	50	43.9	88	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

LABORATORY CONTROL SAMPLE: 660720

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	45.0	90	56-130	N3
2,2-Dichloropropane	ug/L	50	40.1	80	63-133	
2-Butanone (MEK)	ug/L	50	34.6	69	44-162	IL
2-Chlorotoluene	ug/L	50	44.3	89	74-101	
2-Hexanone	ug/L	50	41.9	84	32-183	
4-Chlorotoluene	ug/L	50	44.7	89	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	50	43.9	88	69-132	
Acetone	ug/L	50	46.4	93	23-188	CH,IC
Benzene	ug/L	50	45.7	91	73-119	
Bromobenzene	ug/L	50	41.8	84	72-102	
Bromochloromethane	ug/L	50	49.8	100	81-116	
Bromodichloromethane	ug/L	50	44.7	89	78-117	
Bromoform	ug/L	50	35.8	72	65-122	CL
Bromomethane	ug/L	50	65.3	131	52-147	CH
Carbon disulfide	ug/L	50	46.1	92	41-144	
Carbon tetrachloride	ug/L	50	44.9	90	59-120	
Chlorobenzene	ug/L	50	44.4	89	75-113	
Chlorodifluoromethane	ug/L	50	39.6	79	43-140	N3
Chloroethane	ug/L	50	49.0	98	49-151	
Chloroform	ug/L	50	50.2	100	72-122	
Chloromethane	ug/L	50	47.2	94	46-144	
cis-1,2-Dichloroethene	ug/L	50	48.0	96	72-121	
cis-1,3-Dichloropropene	ug/L	50	42.3	85	78-116	
Dibromochloromethane	ug/L	50	40.7	81	70-120	
Dibromomethane	ug/L	50	43.7	87	75-125	
Dichlorodifluoromethane	ug/L	50	27.5	55	22-154	CL
Ethanol	ug/L	1250	1220	97	10-151	CH
Ethylbenzene	ug/L	50	43.9	88	70-113	
Hexachloro-1,3-butadiene	ug/L	50	45.9	92	59-121	
Isopropylbenzene (Cumene)	ug/L	50	43.0	86	67-115	
Methylene Chloride	ug/L	50	49.5	99	61-142	
n-Butylbenzene	ug/L	50	47.3	95	73-107	
n-Propylbenzene	ug/L	50	44.8	90	68-116	
p-Isopropyltoluene	ug/L	50	43.7	87	73-101	
sec-Butylbenzene	ug/L	50	44.6	89	72-103	
Styrene	ug/L	50	44.0	88	72-118	
tert-Butylbenzene	ug/L	50	43.2	86	68-100	
Tetrachloroethene	ug/L	50	41.5	83	60-128	
Toluene	ug/L	50	45.6	91	72-119	
trans-1,2-Dichloroethene	ug/L	50	47.6	95	56-142	
trans-1,3-Dichloropropene	ug/L	50	39.3	79	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	42.2	84	71-121	
Trichloroethene	ug/L	50	44.0	88	69-117	
Vinyl chloride	ug/L	50	48.0	96	43-143	
Xylene (Total)	ug/L	150	129	86	71-109	
1,2-Dichloroethane-d4 (S)	%			90	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

LABORATORY CONTROL SAMPLE: 660720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			97	79-124	
Toluene-d8 (S)	%			97	69-124	

MATRIX SPIKE SAMPLE: 660897

Parameter	Units	70110349003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	50	43.5	87	74-113	
1,1,1-Trichloroethane	ug/L	<1.0	50	46.4	93	65-118	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	49.3	99	74-121	
1,1,2-Trichloroethane	ug/L	<1.0	50	51.3	103	80-117	
1,1-Dichloroethane	ug/L	<1.0	50	53.0	106	83-151	
1,1-Dichloroethene	ug/L	<1.0	50	55.5	111	45-146	
1,1-Dichloropropene	ug/L	<1.0	50	51.3	103	59-127	
1,2,3-Trichlorobenzene	ug/L	<1.0	50	51.7	103	67-103	
1,2,3-Trichloropropane	ug/L	<1.0	50	43.9	88	71-123	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	50	50.4	101	66-103	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	50	50.2	100	68-116	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	46.6	93	83-115	
1,2-Dichloroethane	ug/L	<1.0	50	51.1	102	74-129	
1,2-Dichloropropane	ug/L	<1.0	50	51.1	102	75-117	
1,3,5-Trimethylbenzene	ug/L	<1.0	50	49.4	99	67-116	
1,3-Dichlorobenzene	ug/L	<1.0	50	48.6	97	71-112	
1,3-Dichloropropane	ug/L	<1.0	50	49.8	100	74-112	
1,4-Diethylbenzene	ug/L	<1.0	50	51.8	104	56-130	N3
2,2-Dichloropropane	ug/L	<1.0	50	42.3	85	63-133	
2-Butanone (MEK)	ug/L	<5.0	50	37.1	74	44-162	IL
2-Chlorotoluene	ug/L	<1.0	50	49.3	99	74-101	
2-Hexanone	ug/L	<5.0	50	44.5	89	32-183	
4-Chlorotoluene	ug/L	<1.0	50	49.5	99	74-101	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	47.4	95	69-132	
Acetone	ug/L	<5.0	50	48.9	98	23-188	CH,IC
Benzene	ug/L	<1.0	50	50.5	101	73-119	
Bromobenzene	ug/L	<1.0	50	45.7	91	72-102	
Bromochloromethane	ug/L	<1.0	50	53.8	108	81-116	
Bromodichloromethane	ug/L	<1.0	50	48.4	97	78-117	
Bromoform	ug/L	<1.0	50	38.1	76	65-122	CL
Bromomethane	ug/L	<1.0	50	36.2	72	52-147	CH
Carbon disulfide	ug/L	<1.0	50	51.8	104	41-144	
Carbon tetrachloride	ug/L	<1.0	50	50.0	100	59-120	
Chlorobenzene	ug/L	<1.0	50	49.4	99	75-113	
Chlorodifluoromethane	ug/L	<1.0	50	45.6	91	43-140	N3
Chloroethane	ug/L	<1.0	50	56.3	113	49-151	
Chloroform	ug/L	<1.0	50	56.0	112	72-122	
Chloromethane	ug/L	<1.0	50	43.6	87	46-144	
cis-1,2-Dichloroethene	ug/L	<1.0	50	55.2	110	72-121	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

MATRIX SPIKE SAMPLE: 660897

Parameter	Units	70110349003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	<1.0	50	44.7	89	78-116	
Dibromochloromethane	ug/L	<1.0	50	43.5	87	70-120	
Dibromomethane	ug/L	<1.0	50	46.9	94	75-125	
Dichlorodifluoromethane	ug/L	<1.0	50	31.4	63	22-154	CL
Ethanol	ug/L	<250	1250	1230	99	10-151	CH
Ethylbenzene	ug/L	<1.0	50	50.1	100	70-113	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	51.4	103	59-121	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	48.8	98	67-115	
Methylene Chloride	ug/L	<1.0	50	57.2	114	61-142	
n-Butylbenzene	ug/L	<1.0	50	54.5	109	73-107	M1
n-Propylbenzene	ug/L	<1.0	50	51.3	103	68-116	
p-Isopropyltoluene	ug/L	<1.0	50	51.3	103	73-101	M1
sec-Butylbenzene	ug/L	<1.0	50	52.2	104	72-103	M1
Styrene	ug/L	<1.0	50	49.0	98	72-118	
tert-Butylbenzene	ug/L	<1.0	50	49.5	99	68-100	
Tetrachloroethene	ug/L	<1.0	50	47.5	95	60-128	
Toluene	ug/L	<1.0	50	51.5	103	72-119	
trans-1,2-Dichloroethene	ug/L	<1.0	50	54.5	109	56-142	
trans-1,3-Dichloropropene	ug/L	<1.0	50	40.7	81	79-116	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	50	43.2	86	71-121	
Trichloroethene	ug/L	<1.0	50	49.3	99	69-117	
Vinyl chloride	ug/L	<1.0	50	54.6	109	43-143	
Xylene (Total)	ug/L	<3.0	150	146	97	71-109	
1,2-Dichloroethane-d4 (S)	%				90	68-153	
4-Bromofluorobenzene (S)	%				96	79-124	
Toluene-d8 (S)	%				96	69-124	

SAMPLE DUPLICATE: 660896

Parameter	Units	70110349002 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	6.5		
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	1.7		

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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

SAMPLE DUPLICATE: 660896

Parameter	Units	70110349002 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	1.7		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	<5.0	<5.0		IC
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		CL
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	1.6	1.6	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		CL
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	<3.0	<3.0		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

SAMPLE DUPLICATE: 660896

Parameter	Units	70110349002 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane-d4 (S)	%	91	90		
4-Bromofluorobenzene (S)	%	96	96		
Toluene-d8 (S)	%	95	94		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

QC Batch:	137538	Analysis Method:	SM22 2540C
QC Batch Method:	SM22 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	70110349001, 70110349002, 70110349003		

METHOD BLANK: 658393 Matrix: Water

Associated Lab Samples: 70110349001, 70110349002, 70110349003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	11/07/19 10:23	

LABORATORY CONTROL SAMPLE: 658394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	564	113	85-115	

MATRIX SPIKE SAMPLE: 658396

Parameter	Units	70110842001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	518	600	1130	102	75-125	

MATRIX SPIKE SAMPLE: 658398

Parameter	Units	70110509003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	312	300	623	104	75-125	

SAMPLE DUPLICATE: 658395

Parameter	Units	70110842001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	518	574	10 D6	

SAMPLE DUPLICATE: 658397

Parameter	Units	70110509003 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	312	297	5	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 10/31

Pace Project No.: 70110349

QC Batch: 137288 Analysis Method: EPA 9040C

QC Batch Method: EPA 9040C Analysis Description: 9040 pH

Associated Lab Samples: 70110349001, 70110349002, 70110349003

SAMPLE DUPLICATE: 657027

Parameter	Units	70110350004 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	8.6	8.6	0	H3,H6
Temperature, Water (C)	deg C	22.8	22.8	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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 10/31

Pace Project No.: 70110349

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
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.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MONTHLY 10/31

Pace Project No.: 70110349

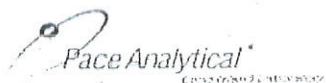
Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70110349001	INFLUENT #1	EPA 200.7	137840	EPA 200.7	137854
70110349002	INFLUENT #2	EPA 200.7	137840	EPA 200.7	137854
70110349003	EFFLUENT #1	EPA 200.7	137840	EPA 200.7	137854
70110349001	INFLUENT #1	EPA 200.7	137902		
70110349002	INFLUENT #2	EPA 200.7	137902		
70110349003	EFFLUENT #1	EPA 200.7	137902		
70110349001	INFLUENT #1	EPA 8260C/5030C	137963		
70110349002	INFLUENT #2	EPA 8260C/5030C	137963		
70110349003	EFFLUENT #1	EPA 8260C/5030C	137963		
70110349001	INFLUENT #1	SM22 2540C	137538		
70110349002	INFLUENT #2	SM22 2540C	137538		
70110349003	EFFLUENT #1	SM22 2540C	137538		
70110349001	INFLUENT #1	EPA 9040C	137288		
70110349002	INFLUENT #2	EPA 9040C	137288		
70110349003	EFFLUENT #1	EPA 9040C	137288		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

WO#: 70110349

[illegible]



Sample Condition Upon Receipt

Client Name:

Fair Child

WO#: 70110349

PM: JSA Due Date: 11/11/19

CLIENT: FAIR

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ OtherTemperature Blank Present: ☐ Yes ☒ NoType of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: CH091

Correction Factor: +0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 4.3

Cooler Temperature Corrected (°C): 4.5

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: KW 11/11/19

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 ☒ NODid samples originate 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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # HC 863463		Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide)	☒ Yes ☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #		
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:

December 31, 2019

Jason Fellows
Wire to Water Electrical Contractors
136 Gazza Blvd.
Farmingdale, NY 117351420

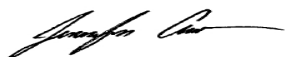
RE: Project: MONTHLY 12/18
Pace Project No.: 70115833

Dear Jason Fellows:

Enclosed are the analytical results for sample(s) received by the laboratory on December 18, 2019. 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,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Caroline Mendoza, Fairchild Corporation



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: MONTHLY 12/18

Pace Project No.: 70115833

Pace Analytical Services Long Island

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 12/18

Pace Project No.: 70115833

Sample: INFLUENT#1		Lab ID: 70115833001	Collected: 12/18/19 11:00	Received: 12/18/19 11:48	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	12/26/19 09:36	12/30/19 17:57	7440-41-7	
Iron	3020	ug/L	100	1	12/26/19 09:36	12/30/19 17:57	7439-89-6	
Manganese	89.6	ug/L	10.0	1	12/26/19 09:36	12/30/19 17:57	7439-96-5	
Zinc	31.8	ug/L	20.0	1	12/26/19 09:36	12/30/19 17:57	7440-66-6	
200.7 Metals, Dissolved		Analytical Method: EPA 200.7						
Beryllium, Dissolved	<5.0	ug/L	5.0	1		12/30/19 14:22	7440-41-7	
Iron, Dissolved	64.8	ug/L	20.0	1		12/30/19 14:22	7439-89-6	
Manganese, Dissolved	79.1	ug/L	10.0	1		12/30/19 14:22	7439-96-5	
Zinc, Dissolved	36.3	ug/L	20.0	1		12/30/19 14:22	7440-66-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<50.0	ug/L	50.0	10		12/26/19 11:21	67-64-1	IC
Benzene	<10.0	ug/L	10.0	10		12/26/19 11:21	71-43-2	
Bromobenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	108-86-1	
Bromochloromethane	<10.0	ug/L	10.0	10		12/26/19 11:21	74-97-5	
Bromodichloromethane	<10.0	ug/L	10.0	10		12/26/19 11:21	75-27-4	
Bromoform	<10.0	ug/L	10.0	10		12/26/19 11:21	75-25-2	CL
Bromomethane	<10.0	ug/L	10.0	10		12/26/19 11:21	74-83-9	
2-Butanone (MEK)	<50.0	ug/L	50.0	10		12/26/19 11:21	78-93-3	CL,IL
n-Butylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	104-51-8	L1
sec-Butylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	135-98-8	L1
tert-Butylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	98-06-6	
Carbon disulfide	<10.0	ug/L	10.0	10		12/26/19 11:21	75-15-0	
Carbon tetrachloride	<10.0	ug/L	10.0	10		12/26/19 11:21	56-23-5	
Chlorobenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	108-90-7	
Chlorodifluoromethane	<10.0	ug/L	10.0	10		12/26/19 11:21	75-45-6	N3
Chloroethane	<10.0	ug/L	10.0	10		12/26/19 11:21	75-00-3	
Chloroform	<10.0	ug/L	10.0	10		12/26/19 11:21	67-66-3	
Chloromethane	<10.0	ug/L	10.0	10		12/26/19 11:21	74-87-3	
2-Chlorotoluene	<10.0	ug/L	10.0	10		12/26/19 11:21	95-49-8	L1
4-Chlorotoluene	<10.0	ug/L	10.0	10		12/26/19 11:21	106-43-4	L1
Dibromochloromethane	<10.0	ug/L	10.0	10		12/26/19 11:21	124-48-1	
1,2-Dibromoethane (EDB)	<10.0	ug/L	10.0	10		12/26/19 11:21	106-93-4	
Dibromomethane	<10.0	ug/L	10.0	10		12/26/19 11:21	74-95-3	
1,3-Dichlorobenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	541-73-1	
trans-1,4-Dichloro-2-butene	<10.0	ug/L	10.0	10		12/26/19 11:21	110-57-6	
Dichlorodifluoromethane	<10.0	ug/L	10.0	10		12/26/19 11:21	75-71-8	
1,1-Dichloroethane	16.6	ug/L	10.0	10		12/26/19 11:21	75-34-3	
1,2-Dichloroethane	<10.0	ug/L	10.0	10		12/26/19 11:21	107-06-2	
1,1-Dichloroethene	<10.0	ug/L	10.0	10		12/26/19 11:21	75-35-4	
cis-1,2-Dichloroethene	230	ug/L	10.0	10		12/26/19 11:21	156-59-2	
trans-1,2-Dichloroethene	<10.0	ug/L	10.0	10		12/26/19 11:21	156-60-5	
1,2-Dichloropropane	<10.0	ug/L	10.0	10		12/26/19 11:21	78-87-5	
1,3-Dichloropropane	<10.0	ug/L	10.0	10		12/26/19 11:21	142-28-9	
2,2-Dichloropropane	<10.0	ug/L	10.0	10		12/26/19 11:21	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 12/18

Pace Project No.: 70115833

Sample: INFLUENT#1		Lab ID: 70115833001		Collected: 12/18/19 11:00		Received: 12/18/19 11:48		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		12/26/19 11:21	563-58-6		
cis-1,3-Dichloropropene	<10.0	ug/L	10.0	10		12/26/19 11:21	10061-01-5		
trans-1,3-Dichloropropene	<10.0	ug/L	10.0	10		12/26/19 11:21	10061-02-6		
1,4-Diethylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	105-05-5	N3	
Ethanol	<2500	ug/L	2500	10		12/26/19 11:21	64-17-5	L1	
Ethylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	100-41-4		
Hexachloro-1,3-butadiene	<10.0	ug/L	10.0	10		12/26/19 11:21	87-68-3		
2-Hexanone	<50.0	ug/L	50.0	10		12/26/19 11:21	591-78-6		
Isopropylbenzene (Cumene)	<10.0	ug/L	10.0	10		12/26/19 11:21	98-82-8		
p-Isopropyltoluene	<10.0	ug/L	10.0	10		12/26/19 11:21	99-87-6		
Methylene Chloride	<10.0	ug/L	10.0	10		12/26/19 11:21	75-09-2		
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	50.0	10		12/26/19 11:21	108-10-1		
n-Propylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	103-65-1		
Styrene	<10.0	ug/L	10.0	10		12/26/19 11:21	100-42-5		
1,1,1,2-Tetrachloroethane	<10.0	ug/L	10.0	10		12/26/19 11:21	630-20-6		
1,1,2,2-Tetrachloroethane	<10.0	ug/L	10.0	10		12/26/19 11:21	79-34-5		
Tetrachloroethene	577	ug/L	10.0	10		12/26/19 11:21	127-18-4		
1,2,4,5-tetramethylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	95-93-2	N3	
Toluene	<10.0	ug/L	10.0	10		12/26/19 11:21	108-88-3		
1,2,3-Trichlorobenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	87-61-6		
1,1,1-Trichloroethane	<10.0	ug/L	10.0	10		12/26/19 11:21	71-55-6		
1,1,2-Trichloroethane	<10.0	ug/L	10.0	10		12/26/19 11:21	79-00-5		
Trichloroethene	97.3	ug/L	10.0	10		12/26/19 11:21	79-01-6		
1,2,3-Trichloropropane	<10.0	ug/L	10.0	10		12/26/19 11:21	96-18-4		
1,2,4-Trimethylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	95-63-6		
1,3,5-Trimethylbenzene	<10.0	ug/L	10.0	10		12/26/19 11:21	108-67-8		
Vinyl chloride	35.4	ug/L	10.0	10		12/26/19 11:21	75-01-4		
Xylene (Total)	<30.0	ug/L	30.0	10		12/26/19 11:21	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	68-153	10		12/26/19 11:21	17060-07-0		
4-Bromofluorobenzene (S)	92	%	79-124	10		12/26/19 11:21	460-00-4		
Toluene-d8 (S)	95	%	69-124	10		12/26/19 11:21	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	127	mg/L	10.0	1		12/20/19 09:36			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 12/18

Pace Project No.: 70115833

Sample: INFLUENT#2		Lab ID: 70115833002		Collected: 12/18/19 11:15		Received: 12/18/19 11:48		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	12/26/19 09:36	12/30/19 17:59	7440-41-7		
Iron	1800	ug/L	100	1	12/26/19 09:36	12/30/19 17:59	7439-89-6		
Manganese	68.8	ug/L	10.0	1	12/26/19 09:36	12/30/19 17:59	7439-96-5		
Zinc	<20.0	ug/L	20.0	1	12/26/19 09:36	12/30/19 17:59	7440-66-6		
200.7 Metals, Dissolved		Analytical Method: EPA 200.7							
Beryllium, Dissolved	<5.0	ug/L	5.0	1		12/30/19 14:23	7440-41-7		
Iron, Dissolved	588	ug/L	20.0	1		12/30/19 14:23	7439-89-6		
Manganese, Dissolved	64.3	ug/L	10.0	1		12/30/19 14:23	7439-96-5		
Zinc, Dissolved	<20.0	ug/L	20.0	1		12/30/19 14:23	7440-66-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Acetone	<5.0	ug/L	5.0	1		12/26/19 11:44	67-64-1	IC	
Benzene	<1.0	ug/L	1.0	1		12/26/19 11:44	71-43-2		
Bromobenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	108-86-1		
Bromochloromethane	<1.0	ug/L	1.0	1		12/26/19 11:44	74-97-5		
Bromodichloromethane	<1.0	ug/L	1.0	1		12/26/19 11:44	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		12/26/19 11:44	75-25-2	CL	
Bromomethane	<1.0	ug/L	1.0	1		12/26/19 11:44	74-83-9		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/26/19 11:44	78-93-3	CL,IL	
n-Butylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	104-51-8	L1	
sec-Butylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	135-98-8	L1	
tert-Butylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	98-06-6		
Carbon disulfide	<1.0	ug/L	1.0	1		12/26/19 11:44	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/26/19 11:44	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	108-90-7		
Chlorodifluoromethane	<1.0	ug/L	1.0	1		12/26/19 11:44	75-45-6	N3	
Chloroethane	<1.0	ug/L	1.0	1		12/26/19 11:44	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		12/26/19 11:44	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		12/26/19 11:44	74-87-3		
2-Chlorotoluene	<1.0	ug/L	1.0	1		12/26/19 11:44	95-49-8	L1	
4-Chlorotoluene	<1.0	ug/L	1.0	1		12/26/19 11:44	106-43-4	L1	
Dibromochloromethane	<1.0	ug/L	1.0	1		12/26/19 11:44	124-48-1		
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/26/19 11:44	106-93-4		
Dibromomethane	<1.0	ug/L	1.0	1		12/26/19 11:44	74-95-3		
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	541-73-1		
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/26/19 11:44	110-57-6		
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/26/19 11:44	75-71-8		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/26/19 11:44	75-34-3		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/26/19 11:44	107-06-2		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/26/19 11:44	75-35-4		
cis-1,2-Dichloroethene	3.0	ug/L	1.0	1		12/26/19 11:44	156-59-2		
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/26/19 11:44	156-60-5		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/26/19 11:44	78-87-5		
1,3-Dichloropropane	<1.0	ug/L	1.0	1		12/26/19 11:44	142-28-9		
2,2-Dichloropropane	<1.0	ug/L	1.0	1		12/26/19 11:44	594-20-7		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 12/18

Pace Project No.: 70115833

Sample: INFLUENT#2		Lab ID: 70115833002		Collected: 12/18/19 11:15		Received: 12/18/19 11:48		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		12/26/19 11:44	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/26/19 11:44	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/26/19 11:44	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	105-05-5	N3	
Ethanol	<250	ug/L	250	1		12/26/19 11:44	64-17-5	L1	
Ethylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		12/26/19 11:44	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		12/26/19 11:44	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/26/19 11:44	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		12/26/19 11:44	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		12/26/19 11:44	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/26/19 11:44	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	103-65-1		
Styrene	<1.0	ug/L	1.0	1		12/26/19 11:44	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/26/19 11:44	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/26/19 11:44	79-34-5		
Tetrachloroethene	3.3	ug/L	1.0	1		12/26/19 11:44	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		12/26/19 11:44	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/26/19 11:44	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/26/19 11:44	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		12/26/19 11:44	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/26/19 11:44	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/26/19 11:44	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		12/26/19 11:44	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		12/26/19 11:44	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	68-153	1		12/26/19 11:44	17060-07-0		
4-Bromofluorobenzene (S)	92	%	79-124	1		12/26/19 11:44	460-00-4		
Toluene-d8 (S)	95	%	69-124	1		12/26/19 11:44	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	124	mg/L	10.0	1		12/20/19 09:36			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 12/18

Pace Project No.: 70115833

Sample: EFFLUENT#1		Lab ID: 70115833003	Collected: 12/18/19 11:25	Received: 12/18/19 11:48	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	12/26/19 09:36	12/30/19 18:02	7440-41-7	
Iron	923	ug/L	100	1	12/26/19 09:36	12/30/19 18:02	7439-89-6	
Manganese	16.2	ug/L	10.0	1	12/26/19 09:36	12/30/19 18:02	7439-96-5	
Zinc	34.6	ug/L	20.0	1	12/26/19 09:36	12/30/19 18:02	7440-66-6	
200.7 Metals, Dissolved		Analytical Method: EPA 200.7						
Beryllium, Dissolved	<5.0	ug/L	5.0	1		12/30/19 14:24	7440-41-7	
Iron, Dissolved	26.8	ug/L	20.0	1		12/30/19 14:24	7439-89-6	
Manganese, Dissolved	<10.0	ug/L	10.0	1		12/30/19 14:24	7439-96-5	
Zinc, Dissolved	33.0	ug/L	20.0	1		12/30/19 14:24	7440-66-6	
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C						
Acetone	<5.0	ug/L	5.0	1		12/26/19 12:07	67-64-1	IC
Benzene	<1.0	ug/L	1.0	1		12/26/19 12:07	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	1		12/26/19 12:07	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	1		12/26/19 12:07	75-27-4	
Bromoform	<1.0	ug/L	1.0	1		12/26/19 12:07	75-25-2	CL
Bromomethane	<1.0	ug/L	1.0	1		12/26/19 12:07	74-83-9	
2-Butanone (MEK)	<5.0	ug/L	5.0	1		12/26/19 12:07	78-93-3	CL,IL
n-Butylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	104-51-8	L1
sec-Butylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	135-98-8	L1
tert-Butylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	98-06-6	
Carbon disulfide	<1.0	ug/L	1.0	1		12/26/19 12:07	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		12/26/19 12:07	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	108-90-7	
Chlorodifluoromethane	<1.0	ug/L	1.0	1		12/26/19 12:07	75-45-6	N3
Chloroethane	<1.0	ug/L	1.0	1		12/26/19 12:07	75-00-3	
Chloroform	<1.0	ug/L	1.0	1		12/26/19 12:07	67-66-3	
Chloromethane	<1.0	ug/L	1.0	1		12/26/19 12:07	74-87-3	
2-Chlorotoluene	<1.0	ug/L	1.0	1		12/26/19 12:07	95-49-8	L1
4-Chlorotoluene	<1.0	ug/L	1.0	1		12/26/19 12:07	106-43-4	L1
Dibromochloromethane	<1.0	ug/L	1.0	1		12/26/19 12:07	124-48-1	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	1		12/26/19 12:07	106-93-4	
Dibromomethane	<1.0	ug/L	1.0	1		12/26/19 12:07	74-95-3	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	541-73-1	
trans-1,4-Dichloro-2-butene	<1.0	ug/L	1.0	1		12/26/19 12:07	110-57-6	
Dichlorodifluoromethane	<1.0	ug/L	1.0	1		12/26/19 12:07	75-71-8	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		12/26/19 12:07	75-34-3	
1,2-Dichloroethane	<1.0	ug/L	1.0	1		12/26/19 12:07	107-06-2	
1,1-Dichloroethene	<1.0	ug/L	1.0	1		12/26/19 12:07	75-35-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/26/19 12:07	156-59-2	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	1		12/26/19 12:07	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		12/26/19 12:07	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	1.0	1		12/26/19 12:07	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	1.0	1		12/26/19 12:07	594-20-7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

ANALYTICAL RESULTS

Project: MONTHLY 12/18

Pace Project No.: 70115833

Sample: EFFLUENT#1		Lab ID: 70115833003		Collected: 12/18/19 11:25		Received: 12/18/19 11:48		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		12/26/19 12:07	563-58-6		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/26/19 12:07	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		12/26/19 12:07	10061-02-6		
1,4-Diethylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	105-05-5	N3	
Ethanol	<250	ug/L	250	1		12/26/19 12:07	64-17-5	L1	
Ethylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	100-41-4		
Hexachloro-1,3-butadiene	<1.0	ug/L	1.0	1		12/26/19 12:07	87-68-3		
2-Hexanone	<5.0	ug/L	5.0	1		12/26/19 12:07	591-78-6		
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	1		12/26/19 12:07	98-82-8		
p-Isopropyltoluene	<1.0	ug/L	1.0	1		12/26/19 12:07	99-87-6		
Methylene Chloride	<1.0	ug/L	1.0	1		12/26/19 12:07	75-09-2		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		12/26/19 12:07	108-10-1		
n-Propylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	103-65-1		
Styrene	<1.0	ug/L	1.0	1		12/26/19 12:07	100-42-5		
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/26/19 12:07	630-20-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		12/26/19 12:07	79-34-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		12/26/19 12:07	127-18-4		
1,2,4,5-tetramethylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	95-93-2	N3	
Toluene	<1.0	ug/L	1.0	1		12/26/19 12:07	108-88-3		
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	87-61-6		
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		12/26/19 12:07	71-55-6		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		12/26/19 12:07	79-00-5		
Trichloroethene	<1.0	ug/L	1.0	1		12/26/19 12:07	79-01-6		
1,2,3-Trichloropropane	<1.0	ug/L	1.0	1		12/26/19 12:07	96-18-4		
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	95-63-6		
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	1		12/26/19 12:07	108-67-8		
Vinyl chloride	<1.0	ug/L	1.0	1		12/26/19 12:07	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		12/26/19 12:07	1330-20-7		
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	68-153	1		12/26/19 12:07	17060-07-0		
4-Bromofluorobenzene (S)	94	%	79-124	1		12/26/19 12:07	460-00-4		
Toluene-d8 (S)	97	%	69-124	1		12/26/19 12:07	2037-26-5		
2540C Total Dissolved Solids		Analytical Method: SM22 2540C							
Total Dissolved Solids	126	mg/L	10.0	1		12/20/19 09:49			

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

QC Batch:	143728	Analysis Method:	EPA 200.7
QC Batch Method:	EPA 200.7	Analysis Description:	200.7 Metals, Dissolved
Associated Lab Samples:	70115833001, 70115833002, 70115833003		

METHOD BLANK: 688667 Matrix: Water

Associated Lab Samples: 70115833001, 70115833002, 70115833003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium, Dissolved	ug/L	<5.0	5.0	12/30/19 14:15	
Iron, Dissolved	ug/L	<20.0	20.0	12/30/19 14:15	
Manganese, Dissolved	ug/L	<10.0	10.0	12/30/19 14:15	
Zinc, Dissolved	ug/L	<20.0	20.0	12/30/19 14:15	

LABORATORY CONTROL SAMPLE: 688668

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	102	85-115	
Manganese, Dissolved	ug/L	250	252	101	85-115	
Zinc, Dissolved	ug/L	1000	1020	102	85-115	

MATRIX SPIKE SAMPLE: 688671

Parameter	Units	70115364041 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium, Dissolved	ug/L	<50.0	500	471	94	70-130	
Iron, Dissolved	ug/L	282	20000	19300	95	70-130	
Manganese, Dissolved	ug/L	117	2500	2510	96	70-130	
Zinc, Dissolved	ug/L	<200	10000	9740	97	70-130	

SAMPLE DUPLICATE: 688670

Parameter	Units	70115364041 Result	Dup Result	RPD	Qualifiers
Beryllium, Dissolved	ug/L	<50.0	<50.0		
Iron, Dissolved	ug/L	282	283	0	
Manganese, Dissolved	ug/L	117	114	3	
Zinc, Dissolved	ug/L	<200	<200		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

QC Batch: 143622 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 70115833001, 70115833002, 70115833003

METHOD BLANK: 688304 Matrix: Water

Associated Lab Samples: 70115833001, 70115833002, 70115833003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Beryllium	ug/L	<5.0	5.0	12/30/19 17:01	
Iron	ug/L	<100	100	12/30/19 17:01	
Manganese	ug/L	<10.0	10.0	12/30/19 17:01	
Zinc	ug/L	<20.0	20.0	12/30/19 17:01	

LABORATORY CONTROL SAMPLE: 688305

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	50	53.4	107	85-115	
Iron	ug/L	2000	2140	107	85-115	
Manganese	ug/L	250	263	105	85-115	
Zinc	ug/L	1000	1060	106	85-115	

MATRIX SPIKE SAMPLE: 688307

Parameter	Units	70115357007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	0.12J	50	50.8	101	70-130	
Iron	ug/L	390	2000	2450	103	70-130	
Manganese	ug/L	116	250	361	98	70-130	
Zinc	ug/L	14.5J	1000	1050	104	70-130	

MATRIX SPIKE SAMPLE: 688309

Parameter	Units	70115357008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Beryllium	ug/L	1.1J	50	50.2	98	70-130	
Iron	ug/L	3510	2000	5160	82	70-130	
Manganese	ug/L	566	250	804	95	70-130	
Zinc	ug/L	65.1	1000	1060	99	70-130	

SAMPLE DUPLICATE: 688306

Parameter	Units	70115357007 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	0.12J	<5.0		
Iron	ug/L	390	387	1	
Manganese	ug/L	116	114	2	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

SAMPLE DUPLICATE: 688306

Parameter	Units	70115357007 Result	Dup Result	RPD	Qualifiers
Zinc	ug/L	14.5J	<20.0		

SAMPLE DUPLICATE: 688308

Parameter	Units	70115357008 Result	Dup Result	RPD	Qualifiers
Beryllium	ug/L	1.1J	<5.0		
Iron	ug/L	3510	3150	11	
Manganese	ug/L	566	556	2	
Zinc	ug/L	65.1	61.7	5	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

QC Batch:	143589	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
Associated Lab Samples:	70115833001, 70115833002, 70115833003		

METHOD BLANK: 688178 Matrix: Water

Associated Lab Samples: 70115833001, 70115833002, 70115833003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<1.0	1.0	12/26/19 09:28	
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/26/19 09:28	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/26/19 09:28	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/26/19 09:28	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/26/19 09:28	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/26/19 09:28	
1,1-Dichloropropene	ug/L	<1.0	1.0	12/26/19 09:28	
1,2,3-Trichlorobenzene	ug/L	<1.0	1.0	12/26/19 09:28	
1,2,3-Trichloropropane	ug/L	<1.0	1.0	12/26/19 09:28	
1,2,4,5-tetramethylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	N3
1,2,4-Trimethylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/26/19 09:28	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/26/19 09:28	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/26/19 09:28	
1,3,5-Trimethylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/26/19 09:28	
1,3-Dichloropropane	ug/L	<1.0	1.0	12/26/19 09:28	
1,4-Diethylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	N3
2,2-Dichloropropane	ug/L	<1.0	1.0	12/26/19 09:28	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/26/19 09:28	CL,IL
2-Chlorotoluene	ug/L	<1.0	1.0	12/26/19 09:28	
2-Hexanone	ug/L	<5.0	5.0	12/26/19 09:28	
4-Chlorotoluene	ug/L	<1.0	1.0	12/26/19 09:28	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/26/19 09:28	
Acetone	ug/L	<5.0	5.0	12/26/19 09:28	IC
Benzene	ug/L	<1.0	1.0	12/26/19 09:28	
Bromobenzene	ug/L	<1.0	1.0	12/26/19 09:28	
Bromochloromethane	ug/L	<1.0	1.0	12/26/19 09:28	
Bromodichloromethane	ug/L	<1.0	1.0	12/26/19 09:28	
Bromoform	ug/L	<1.0	1.0	12/26/19 09:28	CL
Bromomethane	ug/L	<1.0	1.0	12/26/19 09:28	
Carbon disulfide	ug/L	<1.0	1.0	12/26/19 09:28	
Carbon tetrachloride	ug/L	<1.0	1.0	12/26/19 09:28	
Chlorobenzene	ug/L	<1.0	1.0	12/26/19 09:28	
Chlorodifluoromethane	ug/L	<1.0	1.0	12/26/19 09:28	N3
Chloroethane	ug/L	<1.0	1.0	12/26/19 09:28	
Chloroform	ug/L	<1.0	1.0	12/26/19 09:28	
Chloromethane	ug/L	<1.0	1.0	12/26/19 09:28	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/26/19 09:28	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/26/19 09:28	
Dibromochloromethane	ug/L	<1.0	1.0	12/26/19 09:28	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

METHOD BLANK: 688178

Matrix: Water

Associated Lab Samples: 70115833001, 70115833002, 70115833003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	<1.0	1.0	12/26/19 09:28	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/26/19 09:28	
Ethanol	ug/L	<250	250	12/26/19 09:28	
Ethylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	12/26/19 09:28	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/26/19 09:28	
Methylene Chloride	ug/L	<1.0	1.0	12/26/19 09:28	
n-Butylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	
n-Propylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	
p-Isopropyltoluene	ug/L	<1.0	1.0	12/26/19 09:28	
sec-Butylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	
Styrene	ug/L	<1.0	1.0	12/26/19 09:28	
tert-Butylbenzene	ug/L	<1.0	1.0	12/26/19 09:28	
Tetrachloroethene	ug/L	<1.0	1.0	12/26/19 09:28	
Toluene	ug/L	<1.0	1.0	12/26/19 09:28	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/26/19 09:28	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/26/19 09:28	
trans-1,4-Dichloro-2-butene	ug/L	<1.0	1.0	12/26/19 09:28	
Trichloroethene	ug/L	<1.0	1.0	12/26/19 09:28	
Vinyl chloride	ug/L	<1.0	1.0	12/26/19 09:28	
Xylene (Total)	ug/L	<3.0	3.0	12/26/19 09:28	
1,2-Dichloroethane-d4 (S)	%	95	68-153	12/26/19 09:28	
4-Bromofluorobenzene (S)	%	93	79-124	12/26/19 09:28	
Toluene-d8 (S)	%	96	69-124	12/26/19 09:28	

LABORATORY CONTROL SAMPLE: 688179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	44.5	89	74-113	
1,1,1-Trichloroethane	ug/L	50	44.2	88	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	53.5	107	74-121	
1,1,2-Trichloroethane	ug/L	50	50.3	101	80-117	
1,1-Dichloroethane	ug/L	50	54.8	110	83-151	
1,1-Dichloroethene	ug/L	50	55.9	112	45-146	
1,1-Dichloropropene	ug/L	50	48.3	97	59-127	
1,2,3-Trichlorobenzene	ug/L	50	48.4	97	67-103	
1,2,3-Trichloropropane	ug/L	50	45.8	92	71-123	
1,2,4,5-tetramethylbenzene	ug/L	50	50.2	100	66-103	N3
1,2,4-Trimethylbenzene	ug/L	50	49.7	99	68-116	
1,2-Dibromoethane (EDB)	ug/L	50	45.8	92	83-115	
1,2-Dichloroethane	ug/L	50	54.2	108	74-129	
1,2-Dichloropropane	ug/L	50	50.0	100	75-117	
1,3,5-Trimethylbenzene	ug/L	50	49.6	99	67-116	
1,3-Dichlorobenzene	ug/L	50	49.7	99	71-112	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

LABORATORY CONTROL SAMPLE: 688179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	ug/L	50	51.0	102	74-112	
1,4-Diethylbenzene	ug/L	50	51.1	102	56-130	N3
2,2-Dichloropropane	ug/L	50	46.6	93	63-133	
2-Butanone (MEK)	ug/L	50	35.6	71	44-162	CL,IL
2-Chlorotoluene	ug/L	50	51.5	103	74-101	L1
2-Hexanone	ug/L	50	44.8	90	32-183	
4-Chlorotoluene	ug/L	50	52.3	105	74-101	L1
4-Methyl-2-pentanone (MIBK)	ug/L	50	46.7	93	69-132	
Acetone	ug/L	50	52.3	105	23-188	IC
Benzene	ug/L	50	48.8	98	73-119	
Bromobenzene	ug/L	50	46.6	93	72-102	
Bromochloromethane	ug/L	50	54.8	110	81-116	
Bromodichloromethane	ug/L	50	49.0	98	78-117	
Bromoform	ug/L	50	40.3	81	65-122	CL
Bromomethane	ug/L	50	66.5	133	52-147	
Carbon disulfide	ug/L	50	52.4	105	41-144	
Carbon tetrachloride	ug/L	50	43.8	88	59-120	
Chlorobenzene	ug/L	50	47.6	95	75-113	
Chlorodifluoromethane	ug/L	50	46.5	93	43-140	N3
Chloroethane	ug/L	50	55.3	111	49-151	
Chloroform	ug/L	50	58.1	116	72-122	
Chloromethane	ug/L	50	59.6	119	46-144	
cis-1,2-Dichloroethene	ug/L	50	54.6	109	72-121	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	78-116	
Dibromochloromethane	ug/L	50	45.5	91	70-120	
Dibromomethane	ug/L	50	46.6	93	75-125	
Dichlorodifluoromethane	ug/L	50	41.4	83	22-154	
Ethanol	ug/L	1250	9910	793	10-151	E,L1
Ethylbenzene	ug/L	50	47.9	96	70-113	
Hexachloro-1,3-butadiene	ug/L	50	48.7	97	59-121	
Isopropylbenzene (Cumene)	ug/L	50	49.6	99	67-115	
Methylene Chloride	ug/L	50	54.2	108	61-142	
n-Butylbenzene	ug/L	50	55.3	111	73-107	L1
n-Propylbenzene	ug/L	50	52.7	105	68-116	
p-Isopropyltoluene	ug/L	50	50.6	101	73-101	
sec-Butylbenzene	ug/L	50	52.2	104	72-103	L1
Styrene	ug/L	50	47.8	96	72-118	
tert-Butylbenzene	ug/L	50	49.1	98	68-100	
Tetrachloroethene	ug/L	50	43.3	87	60-128	
Toluene	ug/L	50	49.2	98	72-119	
trans-1,2-Dichloroethene	ug/L	50	54.0	108	56-142	
trans-1,3-Dichloropropene	ug/L	50	42.6	85	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	59.5	119	71-121	
Trichloroethene	ug/L	50	46.4	93	69-117	
Vinyl chloride	ug/L	50	58.7	117	43-143	
Xylene (Total)	ug/L	150	140	93	71-109	
1,2-Dichloroethane-d4 (S)	%			93	68-153	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

LABORATORY CONTROL SAMPLE: 688179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			94	79-124	
Toluene-d8 (S)	%			97	69-124	

SAMPLE DUPLICATE: 688640

Parameter	Units	70116090001 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	5.8	5.7	2	
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		
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,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	<5.0	<5.0		IC
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		CL
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	1.3	1.3	3	
Chlorodifluoromethane	ug/L	9.1	9.0	2 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	9.0	9.0	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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

SAMPLE DUPLICATE: 688640

Parameter	Units	70116090001 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	2.1	2.2	3	
Ethanol	ug/L	1470	1400	5	
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	2.4	2.5	2	
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	2.2	2.1	7	
Vinyl chloride	ug/L	3.2	3.1	4	
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	94	92		
4-Bromofluorobenzene (S)	%	92	93		
Toluene-d8 (S)	%	96	97		

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA

Project: MONTHLY 12/18

Pace Project No.: 70115833

QC Batch: 143055 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 70115833001, 70115833002, 70115833003

METHOD BLANK: 685693 Matrix: Water

Associated Lab Samples: 70115833001, 70115833002, 70115833003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	12/20/19 09:24	

LABORATORY CONTROL SAMPLE: 685694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	516	103	85-115	

MATRIX SPIKE SAMPLE: 685696

Parameter	Units	70115901001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	492	600	1110	104	75-125	

MATRIX SPIKE SAMPLE: 685698

Parameter	Units	70115964001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1130	600	1680	91	75-125	

SAMPLE DUPLICATE: 685695

Parameter	Units	70115901001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	492	486	1	

SAMPLE DUPLICATE: 685697

Parameter	Units	70115964001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	1130	1090	4	

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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALIFIERS

Project: MONTHLY 12/18

Pace Project No.: 70115833

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 - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
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.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

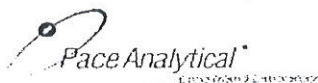
Project: MONTHLY 12/18

Pace Project No.: 70115833

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70115833001	INFLUENT#1	EPA 200.7	143622	EPA 200.7	143638
70115833002	INFLUENT#2	EPA 200.7	143622	EPA 200.7	143638
70115833003	EFFLUENT#1	EPA 200.7	143622	EPA 200.7	143638
70115833001	INFLUENT#1	EPA 200.7	143728		
70115833002	INFLUENT#2	EPA 200.7	143728		
70115833003	EFFLUENT#1	EPA 200.7	143728		
70115833001	INFLUENT#1	EPA 8260C/5030C	143589		
70115833002	INFLUENT#2	EPA 8260C/5030C	143589		
70115833003	EFFLUENT#1	EPA 8260C/5030C	143589		
70115833001	INFLUENT#1	SM22 2540C	143055		
70115833002	INFLUENT#2	SM22 2540C	143055		
70115833003	EFFLUENT#1	SM22 2540C	143055		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Sample Condition Upon Receipt

Client Name:

Fairchild Corp -

Pro

WO#: 70115833

PM: JSA Due Date: 12/30/19

CLIENT: FAIR

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ NoPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Thermometer Used: TH091

Correction Factor: +0.2

Cooler Temperature (°C): 8.1

Cooler Temperature Corrected (°C): 8.3

Temp should be above freezing to 6.0°C

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

Date and Initials of person examining contents: JT. 12/18/19

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 ☒ NODid samples originate 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 ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # HC998032			Sample #
All containers needing preservation have been found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☒ Yes	☐ No ☐ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis			Initial when completed: Lot # of added preservative: Date/Time preservative added
Samples checked for dechlorination:	☐ Yes	☐ No ☒ N/A	14.
KI starch test strips Lot #			
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: