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2019 PERIODIC REVIEW REPORT

DELUXE CORPORATION FORMER DELUXE PRINTING FACILITY 4707 DEY ROAD, LIVERPOOL, NEW YORK NYSDEC SITE #V-00339-7 AGREEMENT INDEX NO. A7-0419-0005

DELUXE CORPORATION

CONFIDENTIAL

PROJECT NO.: 31401949.000 DATE: JANUARY 2020

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1 INTRODUCTION

The premises located at 4707 Dey Road in Liverpool, New York ("the Site") is the subject of the former Voluntary Cleanup Program (VCP) Index Number A7-0419-0005. In accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (SMP), a Periodic Review Report (PRR) for the site is to be provided to NYSDEC on an annual basis beginning November 2013. WSP USA (WSP), formerly Leggette, Brashears & Graham, Inc., was retained to perform the required tasks at the Site in association with the SMP. The following Periodic Review Report summarizes the onsite conditions observed and recorded from October 10, 2018 to December 31, 2019.

Groundwater at the site contains residual solvent contamination (defined in the SMP) left after completion of the remedial action. Engineering Controls (ECs) and Institutional Controls (ICs) have been incorporated into the site remedy to control exposure to residual contamination during Site use to ensure protection of public health and the environment. A Declaration of Covenants and Restrictions (the Declaration) is recorded with the Onondaga County Clerk's office which requires compliance with the SMP and all ECs and ICs placed on the Site (the Declaration is included as Appendix A). The ICs place restrictions on site use and mandate maintenance, monitoring and reporting measures for all ECs and ICs. The SMP specifies the methods necessary to ensure compliance with all ECs and ICs required by the Declaration for contamination at the Site. The SMP provides a detailed description of all procedures required to manage residual contamination), which may include: 1) implementation and management of all ECs and ICs; 2) media monitoring; 3) performance of periodic inspections, certification of results, submittal of a Periodic Review Report; and 4) defining criteria for termination of ECs and ICs.

2 SCOPE OF WORK

As required by the SMP, a Periodic Review Report will be submitted to NYSDEC for each annual reporting period beginning with the reporting period that commences upon NYSDEC acceptance of the SMP. The report will be submitted to NYSDEC within 45 days of the end of each reporting period. This current reporting period is October 10, 2018 to December 31, 2019 and this Periodic Review Report includes:

- identification, assessment and certification of all ECs/ICs required by the remedy for the Site;
- results of the required annual site inspections and severe condition inspections, if applicable;
- all applicable inspection forms and other records generated for the Site during the reporting period in electronic format;
- a summary of any discharge monitoring data and/or information generated during the reporting period with comments and conclusions;
- data summary tables of contaminants of concern by media (groundwater, soil vapor), along with the applicable standards, with all exceedances highlighted these will include a presentation of past data as part of an evaluation of contaminant concentration trends;
- results of all analyses, copies of all laboratory data sheets, and the required laboratory data deliverables for all samples collected during the reporting period will be submitted electronically in a NYSDEC-approved format; and,
- a site evaluation, which includes the following:
 - compliance of the Monitored Natural Attenuation (MNA) with the requirements of the Declaration, this SMP, and any other applicable Decision Document;
 - the operation and the effectiveness of all monitoring units, etc., including identification of any needed repairs or modifications;
 - any new conclusions or observations regarding Site contamination based on inspections or data generated by the Monitoring Plan for the media being monitored;
 - recommendations regarding any necessary changes to the remedy and/or Monitoring Plan; and,
 - the overall performance and effectiveness of the remedy.

3 GROUNDWATER MONITORING PROGRAM

Groundwater monitoring was performed on a periodic basis to assess the performance of the remedy. There is a network of 19 monitor wells located onsite set as seven distinct clusters. Each well cluster contains two to four individual monitor wells with well screens set at specific depth. The well locations are shown on figure 1.

All of the "A" monitor wells (MW-1A, MW-2A, MW-3A and MW-4A) have well screens set from 5 ft bg (feet below grade) to 20 ft bg. Three of the four "A" wells intersect bedrock at depths ranging from 11 ft bg (MW-4A) to 13 ft bg (MW-1A and MW-2A). Monitor Well MW-3A does not intersect bedrock because bedrock is encountered at 20 ft bg at that location.

All of the "B" monitor wells (MW-1B, MW-2B, MW-3B and MW-4B) have well screens set from 30 ft bg to 40 ft bg. These wells are screened completely in bedrock and are constructed with outer steel casings set from grade to 30 ft bg.

All of the "C" monitor wells (MW-1C, MW-2C, MW-3C and MW-4C) have well screens set from 50 ft bg to 60 ft bg. These wells are screened completely in bedrock and are constructed with outer steel casings set from grade to 50 ft bg.

All of the "D" monitor wells are open rock boreholes from 80 to 110 ft bg constructed with outer steel casings set from grade to 80 ft bg.

Groundwater samples were collected from these monitor wells every 9 months for a period of 5 years which began in April 2013 and ended in July 2018. The purpose of sampling every 9 months rather than 12 months s to ensure seasonal data collection.

The sampling frequency may be modified with the approval of NYSDEC. The SMP will be modified to reflect changes in sampling plans approved by NYSDEC.

3.1 GROUNDWATER SAMPLING

The most recent groundwater monitoring event occurred on July 24, 2018. On that date, WSP personnel measured the depth to water and total depth of each of the 19 monitor wells at the site using an electronic interface probe. Water depths are summarized on table 1. The measurements were used to calculate the volume of water within each well. On July 24 and 25, 2018, WSP evacuated 3 volumes of water from each well using a submersible pump set approximately 2 feet below the pumping water level. The pump was operated at a flow rate less than 3 gpm (gallons per minute) and dedicated polyethylene tubing was used for each well. At the conclusion of each well evacuation, WSP personnel measured the following geochemical parameters: temperature, pH, conductivity, dissolved oxygen and oxidation/reduction potential. All of these geochemical measurements are shown on table 1. Copies of field sheets are included in Appendix B.

Evacuated purge water was stored temporarily in 55-gallon steel drums and was removed from the site on July 26, 2018 by Environmental Products and Services of Vermont, Inc. (EPS). A waste manifest for this purge water is included in Appendix C.

After purging each well, groundwater samples were collected with disposable polyethylene bailers and transferred to laboratory-supplied containers. Each sample was stored in a chilled cooler and shipped to York Analytical Laboratories (York) of Stratford, Connecticut for analysis of volatile organic compounds (VOCs) by EPA Method 8260. York is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. The laboratory report supplied by York included NYSDEC Analytical Services Protocol (ASP) Category B Deliverables. A field blank, trip blank, matrix spike and matrix

spike duplicate were also sent to York. A copy of the laboratory reports including Category B Deliverables are included in Appendix D. A Data Usability Summary Report (DUSR) has been prepared by Premier Environmental Services of Merrick, New York and is included in Appendix E.

3.2 GROUNDWATER FLOW

Groundwater flow through a bedrock aquifer is primarily through fractures, joints and bedding-plane partings. Flow direction is controlled by differences in potentiometric surface elevation within the aquifer and the orientation and general character of the secondary porosity paths (fractures, joints, etc.) over a local and regional scale.

Groundwater elevations calculated for the shallow "A" wells indicated a horizontal gradient to the north. The groundwater elevation in MW-5A was the lowest of all "A" wells on July 24, 2018 and was 6.20 feet lower than groundwater in the contamination source area (1A) 110 feet away. Groundwater in the shallow "A" zone flows to the north through unconsolidated sediment and weathered bedrock. A groundwater elevation contour map for the July 24, 2018 measurements from the "A" monitor wells is shown on figure 2.

Groundwater elevations calculated for the "B" wells indicate a horizontal gradient to the north. Groundwater elevations calculated for the "C" wells indicate a horizontal gradient to the southeast. Groundwater elevations calculated for the "D" wells indicate a horizontal gradient to the north-northeast.

Groundwater in the "B", "C" and "D" wells flows through bedrock fractures; the flow patterns described above are estimates of the generalized flow direction and do not take into account any localized secondary porosity effects. Figure 3 depicts the generalized groundwater flow direction for the different bedrock intervals.

3.3 GROUNDWATER QUALITY – WELL CLUSTER #1 (FORMER UNDERGROUND STORAGE TANK AREA)

Monitor Well Cluster #1 is located at the former underground storage tank (UST) area (figure 1). Groundwater samples collected from these wells contain the highest concentrations of tetrachloroethylene (PCE) and its degradation byproducts. Laboratory analysis of groundwater samples collected from MW-1A on July 24, 2018 indicated PCE and trichloroethylene (TCE) concentrations exceeding NYSDEC Ground Water Quality Standards (GWQS). The PCE concentration was 110 ug/l (micrograms per liter) and the TCE concentration was 120 ug/l.

The historic concentrations of PCE and its degradation products decrease with depth below grade at the Well Cluster #1 location. No VOCs were detected above NYSDEC GWQS in MW-1C on July 24, 2018 and VOCs have never been detected above NYSDEC GWQS in MW-1D (the deepest #1 cluster well at 109 feet). Table 2.1 summarizes groundwater quality at Well Cluster #1.

3.4 GROUNDWATER QUALITY – WELL CLUSTERS #2 AND #3

Well Clusters #2 and #3 are located to the east and northeast of the former UST area (50 to 60 feet away). Groundwater samples from Cluster #2 (east of the former UST area) did not contain VOCs above GWQS during the July 2018 sampling event. Historically, GWQS were exceeded for only one compound on one date in Cluster

#2 (7 ug/l, 1,1 dichloroethane, MW-2C, April 30, 2003). Table 2.2 summarizes groundwater quality at Monitor Well Cluster #2.

Consistent with historical results, groundwater samples collected from Well Cluster #3 (northeast of the former UST area) had no VOCs exceeding GWQS in the July 2018 samples. Table 2.3 summarized groundwater quality at Well Cluster #3.

3.5 GROUNDWATER QUALITY – WELL CLUSTER #4 (NORTH OF FORMER UST AREA)

Groundwater samples collected from Well Cluster #4 contain the greatest VOC concentration lateral to Well Cluster #1. On the most recent sampling date (July 24, 2018), the groundwater sample collected from Monitor Well 4A contained PCE at a concentration of 13 ug/l. Table 2.4 summarizes groundwater quality at Well Cluster #4.

3.6 GROUNDWATER QUALITY – WELL CLUSTERS #5, #6 AND #7

The results of laboratory analysis from the most recent groundwater sampling date (July 24, 2018) indicate that the only VOC detection above NYSDEC GWQS at these well clusters was PCE at a concentration of 11 ug/l in Monitor Well 5A. Table 2.5 summarizes groundwater quality in Well Clusters 5, 6 and 7.

4 ENGINEERING AND INSTITUTIONAL CONTROLS (EC AND ICS)

4.1 ENGINEERING CONTROLS/MONITORED NATURAL ATTENTION

The EC required by the SMP is MNA. In a letter to Deluxe dated November 10, 2009, NYSDEC concluded that the lateral and vertical extent of groundwater contamination beneath the Site has been well established and it accepted the recommendation of MNA as the remedial approach for a period of 5 years. Groundwater monitoring to assess natural attenuation was conducted since 2001 and regularly at 9 month intervals from April 2013 to July 2018. During this time period, concentrations detected of the contaminants of concern became asymptotic at an acceptable level for a sufficient period of time as provided in Section 6.4 of NYSDEC DER-10.

4.2 INSTITUTIONAL CONTROLS

A series of ICs are required by the SMP and the Declaration, which refers to the Site as the "Property", and were implemented under the SMP. The Declaration is attached as Appendix A. The ICs listed in the SMP and the Declaration are:

- compliance with the Declaration and the SMP by Deluxe, the site owner, and their respective successors and assigns;
- the prohibition of the Property for any purposes other than Commercial or Industrial use without the express written waiver of such prohibition by NYSDEC or its successor agency;
- the owner of the Property shall prohibit the use of groundwater underlying the Property without treatment rendering it safe for drinking or industrial purposes, as appropriate, unless the user first obtains permission to do so from NYSDEC or its successor agency;
- unless prior written approval by NYSDEC or its successor agency is first obtained, where contamination remains at the Property subject to the provisions of the SMP, there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property which threatens the integrity of the ECs or which results in unacceptable human exposure to contaminated groundwater;
- groundwater monitoring must be performed as defined in the SMP; and,
- data and information pertinent to the SMP for the Property must be reported at the frequency and in a manner defined in the SMP.

ICs identified in the Declaration may not be discontinued without an amendment to or extinguishment of the Declaration.

5 ANNUAL SITE INSPECTION/SITE EVALUATION

A site-wide inspection was conducted on October 22, 2019 by Michael Reiff, a Hydrogeologist with WSP. The inspection included verification of the site owner and site use, verification that the Declaration is on record with Onandaga County and documenting the condition of the onsite monitor wells. The concrete pad surrounding one well (MW-4A) was found to be in very poor condition. The well was subsequently repaired on November 4, 2019. The Site-Wide Inspection Form required by the SMP is included in Appendix F.

Groundwater quality has become asymptotic at an acceptable level for a sufficient period of time consistent with the remaining contamination defined by the SMP. It is recommended that the groundwater monitoring program be discontinued and the monitor wells abandoned. As soon as NYSDEC issues an agreement in writing, all of the monitor wells can be properly abandoned.

6 CERTIFICATION OF ENGINEERING AND INSTITUTION CONTROLS

During the year 2019, groundwater monitoring was temporarily suspended with full suspension pending NYSDEC written approval. There are no other modifications to the onsite ECs/ICs as outlined in the SMP. As specified in the SMP, the remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitutes a violation or failure to comply with the SMP. NYSDEC retains the right to access such Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an engineer or a Qualified Environmental Professional (QEP).

The certification form has been completed by Jorma Weber, P.G., Supervising Hydrogeologist of WSP, White Plains, New York. A copy of the signed certification is included in Appendix G.

7 STANDARDS OF CONTROL

All inspections performed at the Site were conducted at the frequency specified in the schedules provided in Section 3 - Monitoring Plan of the SMP. Site inspections and sampling activities at the Site will continue to take place as outlined in the SMP. Frequency of inspection is subject to change by NYSDEC.

All sampling and analyses were performed in accordance with the requirements of the Quality Assurance Project Plan (QAPP) described in the SMP.

8 CONCLUSIONS AND RECOMMENDATIONS

All onsite ECs/ICs are in place and being implemented properly. Groundwater quality has become asymptotic at an acceptable level for a sufficient period of time consistent with the remaining contamination defined by the SMP. It is recommended that the groundwater monitoring program be discontinued and the monitor wells abandoned. This recommendation was made in the 2018 PRR as well; to date, no response has been received from NYSDEC.

January, 2020 N:\REPORTS\Deluxe\2019\2019 Periodic Review Report\report.siteV003397.2020-01-08.liverpool.periodicreviewreport.docx

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Well ID	Date	Top of Casing Elevation	Total Depth	Depth to Water	Groundwater Elevation	Conductivity	Temperature	рН	Turbidity	Dissolved Oxygen	ORP ⁶⁾
		(feet) ¹⁾	(feet)	(ft btoc) ²⁾	(feet)	(S/m) ³⁾	(°C)		(NTU) ⁴⁾	(mg/l) ⁵⁾	(mV) ⁷⁾
1A	04/05/01	98.78	20.00	12.38	86.40	NM ⁸⁾	NM	NM	NM	NM	NM
	10/15/02		-	15.25	83.53	0.067	15.2	7.21	72	7.0	76
	01/29/03		-	13.91	84.87	0.057	8.1	7.21	120	7.3	118
	04/28/03		-	13.00	85.78	0.140	15.0	7.02	270	8.1	NM
	09/24/03		-	16.64	82.14	0.050	NM	6.63	NM	NM	NM
	04/22/13		20.05	12.15	86.63	0.117	12.04	7.55	321	7.03	-17
	01/21/14		20.15	13.63	85.15	0.092	6.98	7.46	NM	9.48	174
	10/07/14		20.15	13.82	84.96	0.066	15.2	7.30	NM	10.0	94
	07/21/15		20.15	13.27	85.51	0.042	13.6	7.58	NM	3.1	-44
	04/26/16		20.15	12.55	86.23	0.109	9.7	7.80	NM	12.3	132
	01/17/17		20.15	11.32	87.46	1.470	6.7	7.83	160	6.42	66
	10/03/17		20.15	14.77	84.01	1.460	9.2	8.04	NM	9.19	-1
	07/24/18		20.15	13.83	84.95	1.570	17.4	9.40	103	952	19
1B	04/05/01	98.87	40.20	33.39	65.48	NM	NM	NM	NM	NM	NM
	10/15/02		-	39.80	59.07	NM	NM	NM	NM	NM	NM
	01/29/03		-	Dry	-	-	-	-	-	-	-
	04/28/03		-	35.55	63.32	0.150	18.6	6.76	180	5.1	NM
	09/24/03		-	39.85	59.02	NM	NM	NM	NM	NM	NM
	04/22/13		40.40	36.58	62.29	0.145	14.54	7.59	287	5.14	-17
	01/21/14		40.32	39.38	59.49	0.127	8.49	9.18	NM	8.53	164
	10/07/14		40.33	39.85	59.02	0.273	15.00	7.80	NM	9.89	81
	07/21/15		40.60	39.80	59.07	0.274	13.42	7.17	NM	3.67	-97
	04/26/16		40.60	39.50	59.37	0.188	8.14	8.33	NM	11.15	134
	01/17/17		40.35	38.83	60.04	1.040	9.12	6.78	248	5.94	78
	10/03/17		40.35	39.86	59.01	NM	NM	NM	NM	NM	NM
	07/24/18		40.35	39.82	59.05	NM	NM	NM	NM	NM	NM
1C	04/05/01	99.20	60.10	37.55	61.65	NM	NM	NM	NM	NM	NM
	10/15/02		-	52.02	47.18	0.200	12.6	7.20	9	8.0	83
	01/29/03		-	43.97	55.23	0.140	11.8	6.98	21	8.0	124
	04/28/03		-	37.34	61.86	0.160	17.6	6.76	280	13.3	NM
	09/24/03		-	52.19	47.01	0.081	NM	6.60	NM	NM	NM
	10/16/03		-	52.33	46.87	NM	NM	NM	NM	NM	NM
	04/22/13		60.25	42.50	56.70	0.252	15.57	8.78	565	7.74	-72
	01/21/14		60.40	42.65	56.55	0.324	6.64	7.22	NM	9.54	31
	10/07/14		60.40	51.55	47.65	0.222	14.86	6.40	NM	9.87	-36
	07/21/15		60.40	43.43	55.77	0.285	12.92	7.34	NM	2.36	-100
	04/26/16		60.40	41.12	58.08	0.233	10.32	7.32	NM	11.53	147
	01/17/17		60.40	41.65	57.55	1.920	9.02	7.06	163	4.23	95
	10/03/17		60.40	50.00	49.20	1.970	15.15	7.60	118	4.02	3
	07/24/18		60.40	49.83	49.37	1.930	16.33	8.48	NM	8.37	32

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Well ID	Date	Top of Casing Elevation	Total Depth	Depth to Water	Groundwater Elevation	Conductivity	Temperature	рН	Turbidity	Dissolved Oxygen	ORP ⁶⁾
		(feet) ¹⁾	(feet)	(ft btoc) ²⁾	(feet)	(S/m) ³⁾	(°C)		(NTU) ⁴⁾	(mg/l) ⁵⁾	(mV) ⁷⁾
1D	09/24/03	98.78	109.52	49.74	49.04	0.294	NM	11.41	NM	NM	NM
	04/22/13		109.52	42.25	56.53	0.342	12.22	10.73	NM	6.73	-261
	01/21/14		109.50	41.00	57.78	0.354	7.22	11.52	NM	9.18	-38
	10/07/14		109.50	48.32	50.46	0.104	14.07	6.20	NM	7.40	-44
	07/21/15		109.50	41.50	57.28	0.439	13.37	12.22	NM	2.68	-131
	04/26/16		109.50	39.05	59.73	0.568	10.57	7.11	NM	12.58	25
	01/17/17		109.50	40.22	58.56	0.889	9.11	5.14	25	2.33	-84
	10/03/17		109.50	45.35	53.43	3.700	15.73	13.66	117	0.17	-113
	07/24/18		109.50	44.32	54.46	3.120	16.88	12.39	NM	2.50	-84
2A	04/05/01	98.73	20.08	9.49	89.24	NM	NM	NM	NM	NM	NM
	10/15/02		-	14.52	84.21	0.210	17.4	6.88	81	5.0	91
	01/29/03		-	12.55	86.18	0.220	9.3	6.99	90	8.3	91
	04/28/03		-	10.75	87.98	0.220	12.2	6.79	820	5.8	NM
	09/24/03		-	15.42	83.31	0.084	NM	6.48	NM	NM	NM
	04/22/13		20.10	10.76	87.97	0.292	12.52	6.94	NM	9.20	17
	01/21/14		20.08	12.71	86.02	0.186	7.96	8.06	NM	8.66	182
	10/07/14		20.08	14.80	83.93	0.289	16.04	8.08	NM	7.80	150
	07/21/15		20.10	12.92	85.81	0.204	14.96	7.63	NM	3.36	58
	04/26/16		20.10	11.74	86.99	0.251	11.30	7.15	NM	8.43	192
	01/17/17		20.10	10.84	87.89	2.240	11.70	7.56	580	3.36	76
	10/03/17		20.10	14.40	84.33	2.170	20.27	7.85	NM	8.13	11
	07/24/18		20.10	13.00	85.73	0.303	22.80	7.31	842	7.92	88
2B	04/05/01	98.92	40.18	35.48	63.44	NM	NM	NM	NM	NM	NM
	10/15/02		-	39.80	59.12	NM	NM	NM	NM	NM	NM
	01/29/03		-	Dry	-	-	-	-	-	-	-
	04/28/03		-	36.01	62.91	0.100	16.6	6.87	500	6.0	NM
	09/24/03		-	39.95	58.97	NM	NM	NM	NM	NM	NM
	04/22/13		40.15	36.98	61.94	0.154	15.97	7.49	NM	8.19	4
	01/21/14		40.15	39.57	59.35	0.164	8.23	8.86	NM	8.50	161
	10/07/14		40.15	39.80	59.12	0.200	15.38	8.40	NM	9.07	90
	07/21/15		40.15	39.81	59.11	0.204	14.97	7.91	NM	3.04	45
	04/26/16		40.15	39.52	59.40	0.158	11.87	6.88	NM	18.43	252
	01/17/17		40.15	39.13	59.79	0.840	8.82	7.11	221	4.27	4
	10/03/17		40.15	40.06	58.86	NM	NM	NM	NM	NM	NM
	07/24/18		40.15	39.92	59.00	NM	NM	NM	NM	NM	NM

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Well ID	Date	Top of Casing Elevation	Total Depth	Depth to Water $(2, 1, \dots, 2)$	Groundwater Elevation	Conductivity	Temperature	рН	Turbidity	Dissolved Oxygen	ORP^{6}
		(feet) ¹⁾	(feet)	$(ft btoc)^{2}$	(feet)	$(S/m)^{3)}$	(°C)		(NTU) ⁴⁾	$(mg/l)^{5)}$	(mV) ⁷⁾
2C	04/05/01	98.83	60.10	37.24	61.59	NM	NM	NM	NM	NM	NM
	10/15/02		-	51.78	47.05	0.220	13.2	6.64	5	7.7	97
	01/29/03		-	43.66	55.17	0.190	11.5	6.88	46	7.6	96
	04/28/03		-	37.00	61.83	0.180	17.2	6.99	390	7.7	NM
	09/24/03		-	51.83	47.00	0.077	NM	6.68	NM	NM	NM
	04/22/13		61.00	38.95	59.88	0.279	14.00	7.25	350	8.57	11
	01/21/14		61.00	42.30	56.53	0.202	7.13	7.11	NM	9.06	12
	10/07/14		61.00	51.14	47.69	0.296	13.98	8.50	NM	9.10	6
	07/21/15		61.00	43.14	55.69	0.206	14.61	7.67	NM	4.11	50
	04/26/16		61.00	40.70	58.13	0.267	11.41	7.12	NM	8.08	175
	01/17/17		61.00	41.33	57.50	2.130	9.60	7.15	42	2.09	89
	10/03/17		61.00	49.71	49.12	2.060	16.43	7.95	83	4.19	27
	01/17/17		61.00	49.53	49.30	1.560	18.58	6.66	361	13.48	123
3A	04/05/01	98.31	20.00	8.79	89.52	NM	NM	NM	NM	NM	NM
	10/15/02		-	14.33	83.98	0.120	17.7	7.58	67	6.2	74
	01/29/03		-	12.39	85.92	0.120	13.1	7.02	56	4.9	53
	04/28/03		-	10.65	87.66	0.140	13.2	7.14	150	3.4	NM
	09/24/03		-	15.12	83.19	0.069	NM	6.82	NM	NM	NM
	04/22/13		20.00	10.20	88.11	0.244	12.55	9.78	NM	3.69	-198
	01/21/14		20.02	12.15	86.16	0.153	9.07	6.89	NM	7.79	31
	10/07/14		20.00	14.50	83.81	0.111	16.28	6.80	NM	7.16	36
	07/21/15		20.00	12.64	85.67	0.106	15.09	7.45	NM	3.04	19
	04/26/16		20.00	11.60	86.71	0.244	12.16	6.95	NM	13.72	107
	01/17/17		20.00	10.84	87.47	1.380	10.55	6.87	45	3.09	-161
	10/03/17		20.00	14.53	83.78	0.769	19.53	7.40	238	2.36	-3
	07/24/18		20.00	13.75	84.56	0.859	19.70	7.12	NM	16.04	46
3B	04/05/01	98.36	40.18	34.30	64.06	NM	NM	NM	NM	NM	NM
	10/15/02		-	39.86	58.50	NM	NM	NM	NM	NM	NM
	01/29/03		-	39.17	59.19	0.090	12.8	6.88	72	11.0	151
	04/28/03		-	35.10	63.26	0.078	19.6	7.10	100	4.5	NM
	09/24/03		-	39.95	58.41	NM	NM	NM	NM	NM	NM
	04/22/13		40.30	35.90	62.46	0.140	16.48	7.37	317	11.09	-4
	01/21/14		40.23	38.13	60.23	0.100	6.66	6.84	NM	9.30	191
	10/07/14		40.25	38.82	59.54	0.198	15.26	6.90	NM	7.79	156
	07/21/15		40.25	38.89	59.47	0.217	12.81	7.18	NM	3.03	99
	04/26/16		40.25	38.60	59.76	0.102	12.49	7.60	NM	7.14	129
	01/17/17		40.25	37.97	60.39	0.780	14.42	6.60	42	2.40	184
	10/03/17		40.25	39.92	58.44	NM	NM	NM	NM	NM	NM
	07/24/18		40.25	39.90	58.46	NM	NM	NM	NM	NM	NM

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Well ID	Date	Top of Casing Elevation	Total Depth	Depth to Water $(2, 1, \dots, 2)$	Groundwater Elevation	Conductivity	Temperature	рН	Turbidity	Dissolved Oxygen	ORP^{6}
		(feet) ¹⁾	(feet)	$(ft btoc)^{2}$	(feet)	$(S/m)^{3)}$	(°C)		(NTU) ⁴⁾	$(mg/l)^{5)}$	$(mV)^{7)}$
3C	04/05/01	98.19	60.18	36.24	61.95	NM	NM	NM	NM	NM	NM
	10/15/02		-	50.06	48.13	0.230	13.4	7.13	23	8.0	87
	01/29/03		-	42.62	55.57	0.210	12.7	6.82	47	7.5	154
	04/28/03		-	35.99	62.20	0.200	15.2	6.59	110	8.0	NM
	09/24/03		-	50.15	48.04	0.072	NM	6.67	NM	NM	NM
	04/22/13		60.20	37.75	60.44	0.326	16.92	7.60	NM	8.58	-13
	01/21/14		60.30	41.10	57.09	0.270	7.87	5.66	NM	7.22	118
	10/07/14		60.30	49.45	48.74	0.178	15.02	7.20	NM	8.83	114
	07/21/15		60.30	41.95	56.24	0.216	13.12	7.59	NM	3.69	53
	04/26/16		60.30	41.00	57.19	0.291	12.05	7.38	NM	9.10	86
	01/17/17		60.30	40.10	58.09	1.150	10.36	6.55	NM	3.11	-110
	10/03/17		60.30	48.24	49.95	2.030	16.61	7.69	98	7.62	-6
	07/24/18		60.30	48.56	49.63	1.990	17.48	7.46	157	14.91	22
4A	04/05/01	96.90	20.03	8.91	87.99	NM	NM	NM	NM	NM	NM
	10/15/02		-	13.19	83.71	0.120	16.0	7.16	97	6.3	82
	01/29/03		-	11.81	85.09	0.110	10.5	6.85	95	6.7	124
	04/28/03		-	10.70	86.20	0.100	19.3	6.56	500	5.7	NM
	09/24/03		-	13.85	83.05	0.053	NM	6.63	NM	NM	NM
	04/22/13		19.97	10.73	86.17	0.145	11.98	7.00	NM	6.50	19
	01/21/14		20.00	11.94	84.96	0.121	10.09	6.91	NM	8.16	186
	10/07/14		20.00	13.47	83.43	0.206	16.66	6.50	NM	5.94	-21
	07/21/15		20.00	12.02	84.88	0.088	12.42	7.62	NM	2.20	32
	04/26/16		20.00	11.13	85.77	0.118	11.79	7.31	NM	7.10	112
	01/17/17		20.00	10.85	86.05	0.888	10.07	7.14	28	4.82	56
	10/03/17		20.00	13.24	83.66	0.867	18.00	7.63	NM	8.84	26
	07/24/18		20.00	12.78	84.12	1.140	17.86	7.80	NM	6.73	56
4B	04/05/01	96.76	40.18	32.85	63.91	NM	NM	NM	NM	NM	NM
	10/15/02		-	38.78	57.98	NM	NM	NM	NM	NM	NM
	01/29/03		-	37.99	58.77	0.089	11.1	6.45	87	9.3	174
	04/28/03		-	33.35	63.41	0.083	17.3	6.78	700	7.0	NM
	09/24/03		-	39.01	57.75	0.017	NM	7.14	NM	NM	NM
	04/22/13		40.21	33.83	62.93	0.126	13.32	6.99	226	6.50	16
	01/21/14		40.17	36.65	60.11	0.102	8.32	7.36	NM	8.72	183
	10/07/14		40.15	38.92	57.84	0.312	15.03	7.20	NM	7.77	-64
	07/21/15		40.15	37.72	59.04	0.078	13.59	7.65	NM	4.86	69
	04/26/16		40.15	37.05	59.71	0.100	13.33	7.76	NM	11.71	89
	01/17/17		40.15	36.20	60.56	2.180	9.98	7.56	NM	3.31	-116
	10/03/17		40.15	38.58	58.18	NM	NM	NM	NM	NM	NM
	07/24/18		40.15	38.61	58.15	NM	NM	NM	NM	NM	NM

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Well ID	Date	Top of	Total	Depth to	Groundwater	Conductivity	Temperature	pН	Turbidity	Dissolved	ORP ⁶⁾
		Casing	Depth	Water	Elevation					Oxygen	
		Elevation (feet) ¹⁾	(feet)	(ft btoc) ²⁾	(feet)	(S/m) ³⁾	(°C)		(NTU) ⁴⁾	(mg/l) ⁵⁾	(mV) ⁷⁾
4C	04/05/01	96.50	60.20	34.73	61.77	NM	NM	NM	NM	NM	NM
	10/15/02		-	49.03	47.47	0.140	12.5	7.69	5	8.9	77
	01/29/03		-	41.15	55.35	0.150	12.8	7.01	160	9.2	115
	04/28/03		-	34.52	61.98	0.140	15.6	6.90	200	9.5	NM
	09/24/03		-	48.96	47.54	0.062	NM	6.78	NM	NM	NM
	04/22/13		60.17	36.42	60.08	0.301	13.65	4.69	246	6.17	16
	01/21/14		62.30	39.62	56.88	0.269	6.31	7.60	NM	10.22	167
	10/07/14		62.30	48.26	48.24	0.309	15.26	6.10	NM	8.51	21
	07/21/15		62.30	40.55	55.95	0.218	13.41	7.69	NM	4.12	-30
	04/26/16		62.30	38.12	58.38	0.275	12.82	7.09	NM	8.24	109
	01/17/17		62.30	36.60	59.90	1.110	9.25	9.96	27	2.95	-104
	10/03/17		62.30	46.93	49.57	2.070	15.80	7.89	121	7.46	-31
	07/24/18		62.25	46.75	49.75	1.890	16.80	7.32	854	6.28	60
5A	09/24/03	96.52	22.48	21.98	74.54	0.016	NM	7.29	NM	NM	NM
	04/22/13		22.50	19.81	76.71	0.150	8.49	5.69	5	8.59	99
	01/21/14		22.59	20.01	76.51	0.128	4.66	7.32	NM	10.74	220
	10/07/14		22.50	20.84	75.68	0.147	16.28	6.30	NM	11.49	41
	07/21/15		22.50	20.27	76.25	0.077	13.40	7.95	NM	3.95	47
	04/26/16		22.50	19.59	76.93	0.117	13.21	7.26	NM	9.85	154
	01/17/17		22.50	18.49	78.03	1.260	9.14	8.11	16	4.46	19
	10/03/17		22.50	19.57	76.95	0.432	17.21	9.66	NM	9.77	-117
	07/24/18		22.55	20.03	76.49	0.711	17.30	8.19	701	15.89	38
5D	09/24/03	96.19	111.88	106.14	-9.95	0.173	NM	7.10	NM	NM	NM
	04/22/13		111.88	40.20	55.99	2.70	13.19	10.47	648	6.78	-152
	01/21/14		112.00	51.80	44.39	1.77	10.11	12.59	NM	8.45	-6
	10/07/14		112.00	45.61	50.58	2.05	14.46	8.50	NM	9.75	-177
	07/21/15		112.00	45.56	50.63	1.10	13.81	12.60	NM	0.92	-176
	04/26/16		112.00	44.93	51.26	1.19	13.12	12.12	NM	6.80	-12
	01/17/17		112.00	46.26	49.93	3.65	9.11	10.40	37	2.44	14
	10/03/17		112.00	49.59	46.60	11.60	13.80	13.77	NM	3.28	-159
	07/24/18		112.00	55.17	41.02	9.63	16.51	11.86	19	6.81	-77
6A	09/24/03	102.73	22.50	17.75	84.98	0.016	NM	6.71	NM	NM	NM
	04/22/13		23.50	13.15	89.58	0.097	8.66	8.57	NM	5.40	-48
	01/21/14		23.50	14.69	88.04	0.303	9.22	8.86	NM	8.94	23
	10/07/14		23.50	17.00	85.73	0.047	15.07	5.80	NM	9.21	-8
	07/21/15		23.50	15.22	87.51	0.031	13.26	8.61	NM	6.48	45
	04/26/16		23.50	14.35	88.38	0.053	11.02	10.61	NM	9.69	4
	01/17/17		23.50	11.05	91.68	0.743	6.20	6.60	52.4	3.65	-25
	10/03/17		23.50	17.60	85.13	0.398	16.23	7.60	433.0	9.30	-233
	07/24/18		23.50	13.13	89.60	0.537	18.56	10.04	28.2	6.02	-25

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Summary of Groundwater Elevations and Field Measurements

Well ID	Date	Top of Casing Elevation	Total Depth	Depth to Water	Groundwater Elevation	Conductivity	Temperature	рН	Turbidity	Dissolved Oxygen	ORP ⁶⁾
		(feet) ¹⁾	(feet)	(ft btoc) ²⁾	(feet)	$(S/m)^{3)}$	(°C)		(NTU) ⁴⁾	(mg/l) ⁵⁾	(mV) ⁷⁾
6D	09/24/03	103.03	112.28	108.58	-5.55	0.148	NM	7.28	NM	NM	NM
	04/22/13		112.28	43.20	59.83	1.80	11.43	9.83	431	6.17	-95
	01/21/14		112.60	46.26	56.77	0.359	4.23	10.27	NM	9.00	87
	10/07/14		112.60	54.54	48.49	0.078	13.93	6.90	NM	8.83	-93
	07/21/15		112.60	47.00	56.03	0.071	13.32	10.07	NM	3.69	-4
	04/26/16		112.60	44.52	58.51	0.757	11.35	9.08	NM	7.21	71
	01/17/17		112.60	43.34	59.69	6.560	9.55	5.89	22	2.89	34
	10/03/17		112.60	53.20	49.83	6.010	14.95	11.22	111	9.41	-348
	07/24/18		112.60	51.83	51.20	4.900	16.64	10.46	NM	16.81	-18
7A	09/24/03	106.31	22.52	Dry	-	-	-	-	-	-	-
	04/22/13		22.55	11.00	95.31	0.379	11.92	8.84	973	4.44	-126
	01/21/14		22.59	11.20	95.11	0.009	9.67	7.13	NM	10.83	127
	10/07/14		22.55	22.00	84.31	0.603	15.77	7.40	NM	6.69	-220
	07/21/15		22.55	15.11	91.20	0.080	14.43	7.75	NM	4.60	93
	04/26/16		22.55	12.77	93.54	0.128	11.98	11.81	NM	9.43	69
	01/17/17		22.60	9.04	97.27	1.960	6.20	7.08	19	4.60	-23
	10/03/17		22.60	22.51	83.80	NM	NM	NM	NM	NM	NM
	07/24/18		22.55	22.51	83.80	NM	NM	NM	NM	NM	NM
7D	09/24/03	105.98	112.15	59.83	46.15	0.016	NM	7.19	NM	NM	NM
	04/22/13		112.15	46.90	59.08	1.800	13.42	9.94	197	3.34	-230
	01/21/14		112.10	50.05	55.93	0.685	11.24	7.75	NM	12.42	-532
	10/07/14		112.60	58.58	47.40	0.818	13.15	7.50	NM	8.71	-467
	07/21/15		112.60	50.95	55.03	0.216	13.40	7.41	NM	4.26	58
	04/26/16		112.60	40.56	65.42	0.638	13.54	11.72	NM	8.26	7
	01/17/17		112.15	49.10	56.88	1.960	9.18	7.96	118	2.18	109
	10/03/17		112.15	57.15	48.83	4.660	15.53	10.02	116	4.53	-244
	07/24/18		112.15	56.80	49.18	4.130	17.48	10.46	18	6.60	-184

1) Elevations referenced to arbitrary datum

2) Feet below top of casing

3) Siemens per meter

4) Nephelometric turbidity units

5) Milligrams per liter

6) Oxydation reduction potential

7) Millivolts

8) Not measured

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Summary of Groundwater Quality - #1 Well Cluster (all concentrations in micrograms per liter)

Well ID	Date Sampled	1,1,1- Trichloro- ethane	1,1- Dichloro- ethane	1,1- Dichloro- ethylene	cis-1,2- Dichloro- ethylene	1,2,4-Tri- methyl- benzene	1,3,5-Tri- methyl- benzene	Tetrachloro- ethylene (PCE)	Trichloro- ethylene (TCE)	Vinyl Chloride
1A	04/05/01	2	2	6	75	45	14	730	300	23
	10/15/02	7	ND	ND	53	ND	ND	860	340	ND
	01/31/03	12	ND	3	23	3	ND	610	190	3
	04/30/03	ND	ND	ND	12	ND	ND	310	82	ND
	09/24/03	12	ND	3	25	ND	ND	390	130	ND
ľ	10/16/03	10	ND	3	49	ND	ND	360	140	ND
Ī	04/23/13	ND	ND	ND	40	ND	ND	740	300	ND
Ī	01/23/14	ND	ND	ND	25	ND	ND	160	140	ND
	10/08/14	ND	ND	ND	9.8	ND	ND	61	31	ND
	07/21/15	0.95	ND	0.31 J	11	ND	ND	190	100	0.63
	04/28/16	ND	ND	ND	14	ND	ND	200	150	ND
	01/18/17	ND	ND	ND	1.2	0.32 J	ND	18	7.6	0.25 J
[10/03/17	1.4	ND	ND	4.4	ND	ND	75	35	ND
	07/25/18	0.23 J	0.44 J	ND	22	ND	ND	110	120	0.42 J
1B	04/05/01	27	1	7	70	34	11	670	290	20
	10/15/02	NS	NS	NS	NS	NS	NS	NS	NS	NS
	01/31/03	NS	NS	NS	NS	NS	NS	NS	NS	NS
	04/30/03	5	ND	ND	10	ND	ND	140	25	ND
	09/24/03	16	3	ND	8	ND	ND	280	27	ND
	04/23/13	ND	ND	ND	40	ND	ND	18	<5	ND
	01/23/14	ND	ND	ND	3 J	ND	ND	25	8.1	ND
	10/08/14	0.27 J	ND	ND	9.1	ND	ND	76	42	ND
	07/21/15	ND	ND	ND	0.29 J	ND	ND	4.4	1.6	ND
	04/28/16	ND	ND	ND	1.8	ND	ND	30	9.4	ND
	01/18/17	1.8	0.41 J	0.29 J	2.2	ND	ND	29	8.8	ND
	10/03/17	NS	NS	NS	NS	NS	NS	NS	NS	NS
1.5	07/25/18	NS	NS	NS	NS	NS	NS	NS	NS	NS
1C	04/05/01	5	ND	ND	3	ND	ND	44	9	ND
	10/15/02	3	2	1	ND	ND	ND	3	ND	ND
	01/31/03	3	ND 4	ND 2	2	ND	ND	25 10	8	ND
-	04/30/03	4	3	2	ND ND	ND ND	ND ND	ND	I ND	ND ND
	10/16/03	3	3	3	ND	ND	ND	2	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/23/13	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/08/14	0.39 J	0.49 J	0.39 J	0.48 J	ND	ND	4.8	2.7	ND
	07/21/15	1.0	2.4	1.8	ND	ND	ND	0.58	0.27 J	ND
∥ ⊦	04/28/16	0.53	3.1	1.5	0.23 J	ND	ND	5.8	4.5	ND
	01/18/17	0.55	3.1	2	ND	ND	ND	0.78	0.32 J	ND
	10/03/17	0.52	0.97	ND	ND	ND	ND	ND	ND	ND
	07/25/18	0.57	0.89	0.82	ND	ND	ND	ND	ND	ND
1D	09/24/03	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/23/14	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/08/14	ND	ND	ND	ND	ND	ND	1	0.35 J	ND
l I	07/21/15	ND	ND	ND	ND	ND	ND	ND	ND	ND
[04/28/16	ND	ND	ND	ND	ND	ND	0.89	0.48 J	ND
	07/21/15	ND	ND	ND	ND	ND	ND	ND	ND	ND
[04/28/16	ND	ND	ND	ND	ND	ND	0.89	0.48 J	ND
[01/18/17	ND	ND	ND	ND	ND	ND	ND	ND	ND
[10/03/17	ND	ND	ND	ND	0.34 J	ND	ND	ND	ND
	07/25/18	ND	ND	ND	ND	ND	ND	ND	ND	ND
NYSDE	C GWQS ¹⁾	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	2.0

1) - New York State Department of Environmental Conservation Ground Water Quality Standards

ND = Not detected

NS = Not sampled

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Summary of Groundwater Quality - #2 Well Cluster (all concentrations in micrograms per liter)

Well ID	Date Sampled	1,1,1- Trichloro- ethane	1,1- Dichloro- ethane	1,1- Dichloro- ethylene	cis-1,2- Dichloro- ethylene	Tetrachloro- ethylene (PCE)	Trichloro- ethylene (TCE)	Vinyl Chloride
2 A	04/04/01	ND	ND	ND	ND	ND	ND	ND
	10/15/02	ND	ND	ND	ND	ND	ND	ND
	01/31/03	ND	ND	ND	ND	ND	ND	ND
	04/30/03	ND	ND	ND	ND	ND	ND	ND
	09/24/03	ND	ND	ND	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
	01/23/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	0.94	0.69	ND	ND	ND	ND
	07/21/15	ND	ND	ND	ND	ND	ND	ND
	04/27/16	ND	ND	ND	ND	ND	ND	ND
	01/17/17	ND	ND	ND	ND	ND	ND	ND
	10/03/17	ND	ND	ND	ND	ND	ND	ND
	07/24/18	ND	ND	ND	ND	ND	ND	ND
2 B	04/04/01	ND	ND	ND	ND	ND	ND	ND
	10/15/02	NS	NS	NS	NS	NS	NS	NS
	01/31/03	NS	NS	NS	NS	NS	NS	NS
	04/30/03	ND	ND	ND	ND	ND	ND	ND
	09/24/03	NS	NS	NS	NS	NS	NS	NS
	04/23/13	ND	ND	ND	ND	ND	ND	ND
	01/23/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	1.4	0.85	ND	ND	ND	ND
	07/21/15	1.2	2.6	1.7	0.47 J	ND	ND	ND
	04/27/16	ND	ND	ND	ND	0.31 J	ND	ND
	01/17/17	ND	ND	ND	ND	0.54	ND	ND
	10/03/17	NS	NS	NS	NS	NS	NS	NS
	07/24/18	NS	NS	NS	NS	NS	NS	NS
2 C	04/04/01	4	2	2	ND	ND	ND	ND
	10/15/02	3	2	2	ND	ND	ND	ND
	01/31/03	2	2	1	ND	ND	ND	ND
	04/30/03	3	7	3	ND	ND	ND	ND
	09/25/03	3	2	1	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
	01/23/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	1.9	0.96	ND	ND	ND	ND
	07/21/15	1.2	2.8	1.8	ND	ND	ND	ND
	04/27/16	0.62	3	1.4	ND	ND	ND	ND
	01/17/17	0.9	3.2	2	ND	ND	ND	ND
	10/03/17	0.66	1.3	ND	ND	ND	ND	ND
	07/24/18	0.93	1.5	1.1	ND	ND	ND	ND
NYSDE	C GWQS ¹⁾	5.0	5.0	5.0	5.0	5.0	5.0	2.0

1) - New York State Department of Environmental Conservation Ground Water Quality Standards

ND = Not detected

NS = Not sampled

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Summary of Groundwater Quality - #3 Well Cluster (all concentrations in micrograms per liter)

Well ID	Date Sampled	1,1,1- Trichloro- ethane	1,1- Dichloro- ethane	1,1- Dichloro- ethylene	cis-1,2- Dichloro- ethylene	Tetrachloro- ethylene (PCE)	Trichloro- ethylene (TCE)	Vinyl Chloride
	04/04/01	ND	ND	ND	ND	ND	ND	ND
	10/15/02	ND	ND	2	ND	2	ND	ND
	01/31/03	ND	2	<1	<1	2	ND	ND
	04/30/03	ND	ND	ND	ND	ND	ND	ND
	09/25/03	ND	2	ND	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
3 A	01/22/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	0.85	1	0.75	ND	ND	ND	ND
	07/21/15	ND	ND	ND	ND	0.41 J	ND	ND
	04/27/16	ND	ND	ND	ND	ND	ND	ND
	01/17/17	ND	0.25 J	ND	ND	0.34 J	ND	ND
	10/03/17	ND	ND	ND	ND	0.35 J	ND	ND
	07/24/18	ND	ND	ND	ND	0.22 J	ND	ND
	04/04/01	ND	ND	ND	ND	ND	ND	ND
	10/15/02	NS	NS	NS	NS	NS	NS	NS
	01/31/03	ND	ND	ND	ND	ND	ND	ND
	04/30/03	ND	ND	ND	ND	ND	ND	ND
	09/25/03	NS	NS	NS	NS	NS	NS	NS
	04/23/13	ND	ND	ND	ND	ND	ND	ND
3 B	01/22/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	ND	ND	ND	ND	ND	ND
	07/21/15	1.2	1.3	0.92	ND	ND	ND	ND
	04/27/16	ND	ND	ND	ND	0.26 J	ND	ND
	01/17/17	ND	ND	ND	ND	0.5	ND	ND
	10/03/17	NS	NS	NS	NS	NS	NS	NS
	07/24/18	NS	NS	NS	NS	NS	NS	NS
	04/04/01	3	1	ND	ND	ND	ND	ND
	10/15/02	2	2	1	ND	ND	ND	ND
	01/31/03	4	2	2	ND	ND	ND	ND
	04/30/03	3	3	1	ND	ND	ND	ND
	09/25/03	2	2	1	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
3 C	01/22/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	0.98	0.64	ND	ND	ND	ND
	07/21/15	1.2	1.3	0.92	ND	ND	ND	ND
	04/27/16	ND	ND	ND	ND	0.26 J	ND	ND
	01/17/17	ND	0.26 J	ND	ND	0.34 J	ND	ND
	10/03/17	0.62	0.99	ND	ND	ND	ND	ND
	07/24/18	1.2	1.5	0.98	ND	ND	ND	ND
NYSDE	C GWQS ¹⁾	5.0	5.0	5.0	5.0	5.0	5.0	2.0

1) - New York State Department of Environmental Conservation Ground Water Quality Standards

ND = Not detected

NS = Not sampled

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Summary of Groundwater Quality - #4 Well Cluster (all concentrations in micrograms per liter)

Well ID	Date Sampled	1,1,1- Trichloro- ethane	1,1-Dichloro- ethane	1,1- Dichloro- ethylene	cis-1,2- Dichloro- ethylene	Tetrachloro- ethylene (PCE)	Trichloro- ethylene (TCE)	Vinyl Chloride
4A	04/04/01	ND	ND	ND	ND	5	ND	ND
	10/15/02	6	ND	ND	2	170	13	ND
	01/31/03	2	ND	ND	ND	110	9	ND
	04/30/03	ND	ND	ND	ND	48	3	ND
	09/25/03	4	2	ND	1	130	9	ND
	04/23/13	23	ND	ND	ND	ND	ND	ND
	01/22/14	ND	ND	ND	ND	29	2.7 J	ND
	10/07/14	1.2	1.1	0.25 J	2	26	2.3	ND
	07/22/15	0.95	0.47 J	ND	0.92	28	2.0	ND
	04/27/16	0.59	0.51	ND	0.85	20	2.0	ND
	01/17/17	1.1	0.73	0.22 J	1.1	27	2.5	ND
	10/03/17	0.88	0.51	ND	1.3	25	2.8	ND
	07/24/18	0.83	0.33 J	ND	3.2	13	2.5	ND
4B	04/04/01	ND	ND	ND	ND	ND	ND	ND
	10/15/02	NS	NS	NS	NS	NS	NS	NS
	01/31/03	6	ND	1	5	68	12	ND
	04/30/03	8	ND	ND	11	88	20	ND
	09/25/03	ND	ND	ND	ND	14	3	ND
	04/23/13	3.7 J	ND	ND	18	67	28	ND
	01/22/14	3.3 J	ND	ND	13	58	20	ND
	10/07/14	1.2	1.2	0.22 J	2.2	27	2.2	ND
	07/22/15	1.3	ND	0.50	8.9	44	14	ND
	04/27/16	2.6	0.37 J	0.43 J	8.1	52	18	ND
	01/17/17	8.5	0.83	2.20	11	110	21	ND
	10/03/17	NS	NS	NS	NS	NS	NS	NS
	07/24/18	NS	NS	NS	NS	NS	NS	NS
4C	04/04/01	4	ND	ND	ND	15	3	ND
	10/15/02	7	1	2	2	54	7	ND
	01/31/03	2	ND	ND	1	20	4	ND
	04/30/03	4	4	3	ND	12	1	ND
	09/25/03	5	2	2	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
	01/22/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	1.3	1.4	1	ND	ND	ND	ND
	07/22/15	1.3	ND	0.50	8.9	44	14	ND
	04/27/16	2.6	0.37 J	0.43 J	8.1	52	18	ND
	01/17/17	1.1	1.9	1.4	ND	0.45 J	ND	ND
	10/03/17	0.79	1.1	ND	ND	ND	ND	ND
	07/24/18	1.2	1.5	1.1	ND	ND	ND	ND
NYSDE	C GWQS ¹⁾	5.0	5.0	5.0	5.0	5.0	5.0	2.0

1) - New York State Department of Environmental Conservation Ground Water Quality Standards

ND = Not detected

NS = Not sampled

DELUXE CORPORATION FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

Summary of Groundwater Quality - #5, 6, 7 Well Clusters (all concentrations in micrograms per liter)

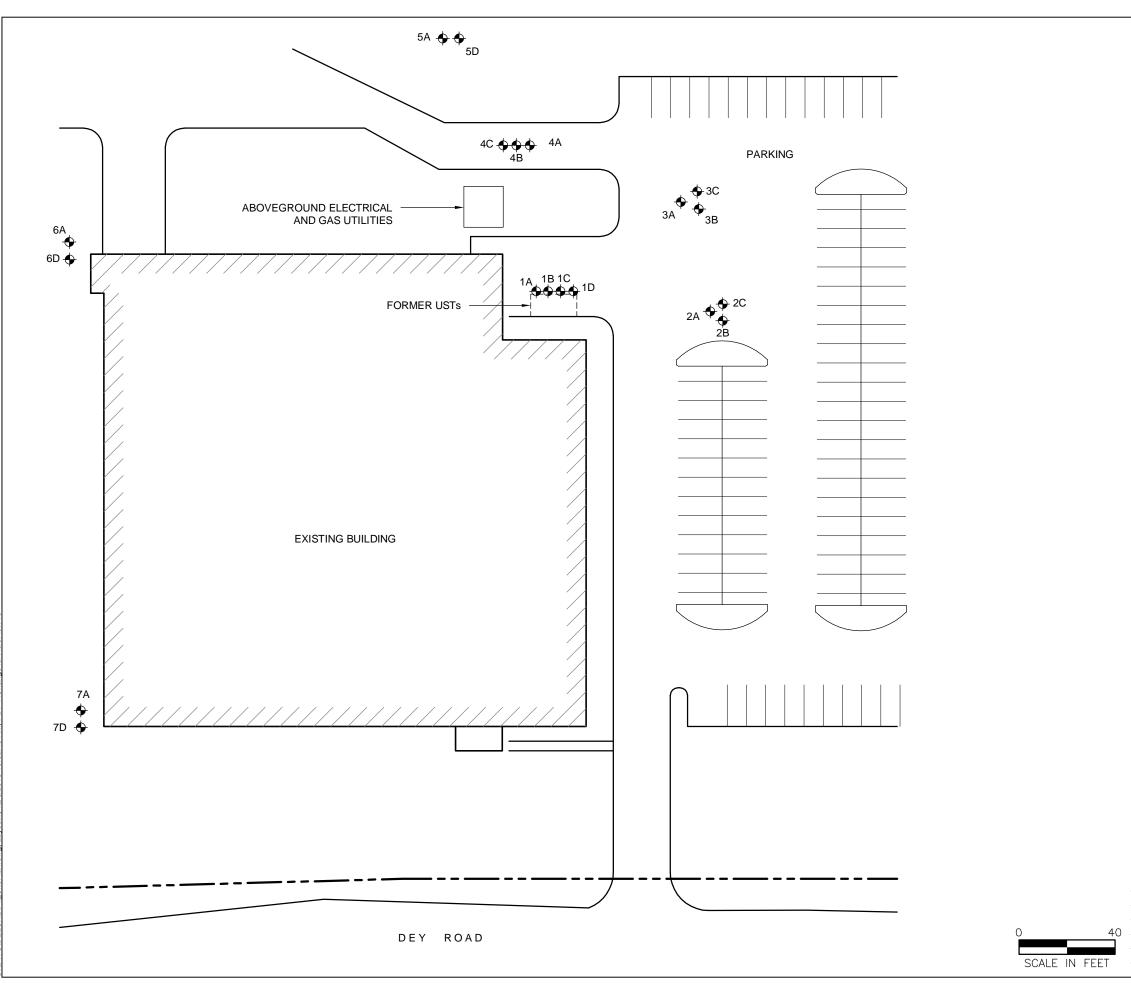
Well ID	Date	1,1,1-	1,1-	1,1-	cis-1,2-	Tetrachloro-	Trichloro-	Vinyl
	Sampled	Trichloro-	Dichloro-	Dichloro-	Dichloro-	ethylene	ethylene	Chloride
		ethane	ethane	ethylene	ethylene	(PCE)	(TCE)	
5A	09/25/03	ND	ND	ND	ND	21	ND	ND
	04/23/13	ND	ND	ND	ND	9.7	ND	ND
	01/22/14	ND	ND	ND	ND	13	ND	ND
	10/07/14	0.36 J	0.55	ND	1.4	7.6	1	ND
	07/22/15	0.69	0.53	ND	0.92	11	1.2	ND
	04/27/16	0.33 J	0.41 J	ND	0.74	7.3	1.1	ND
	01/18/17	0.52	0.51	ND	0.81	11	1.4	ND
	10/04/17	0.9	0.55	ND	0.85	15	1.6	ND
(D)	07/24/18	0.51	0.56	ND	0.65	11	1.4	ND
5D	09/25/03	ND	ND	ND	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
	01/22/14 10/07/14	ND ND	ND ND	ND ND	ND ND	ND 0.31 J	ND ND	ND ND
	07/22/15	ND	ND	ND	ND	0.31 J 0.30 J	ND	ND
	07/22/13	ND	ND	ND	ND	0.30 J	ND	ND
	04/27/10	ND	ND	ND	ND	0.30 J	ND	ND
	10/04/17	ND	ND	ND	ND	0.30 J 0.20 J	ND	ND
	07/24/18	ND	ND	ND	ND	ND	ND	ND
6A	09/25/03	ND	ND	ND	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
	01/22/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	ND	ND	ND	ND	ND	ND
	07/22/15	ND	ND	ND	ND	ND	ND	ND
	04/28/16	ND	ND	ND	ND	ND	ND	ND
	01/18/17	ND	ND	ND	ND	ND	ND	ND
	10/04/17	ND	ND	ND	ND	ND	ND	ND
	07/25/18	ND	ND	ND	ND	ND	ND	ND
6D	09/25/03	ND	ND	ND	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
	01/22/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	ND	ND	ND	ND	ND	ND
	07/22/15	ND	ND	ND	ND	ND	ND	ND
	04/28/16	ND	ND	ND	ND	ND	ND	ND
	01/18/17	ND	ND ND	ND	ND	ND ND	ND	ND
	10/04/17 07/25/18	ND ND		ND	ND		ND ND	ND ND
7A	07/25/18	ND NS	ND NS	ND NS	ND NS	ND NS	ND	ND NS
/A	09/23/03	ND	ND	ND	ND	ND	ND ND	ND
	01/23/13	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	ND	ND	ND	ND	ND	ND
	07/22/15	ND	ND	ND	ND	ND	ND	ND
	04/28/16	ND	ND	ND	ND	ND	ND	ND
	01/18/17	ND	ND	ND	ND	ND	ND	ND
	10/04/17	NS	NS	NS	NS	NS	NS	NS
	07/25/18	NS	NS	NS	NS	NS	NS	NS
7D	09/25/03	ND	ND	ND	ND	ND	ND	ND
	04/23/13	ND	ND	ND	ND	ND	ND	ND
	01/23/14	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	ND	ND	ND	ND	ND	ND
	07/22/15	ND	ND	ND	ND	ND	ND	ND
	04/28/16	ND	ND	ND	ND	ND	ND	ND
	01/18/17	ND	ND	ND	ND	ND	ND	ND
	10/04/17	ND	ND	ND	ND	ND	ND	ND
	07/25/18	ND	ND	ND	ND	ND	ND	ND
NYSDEC GWQS ¹⁾		5.0	5.0	5.0	5.0	5.0	5.0	2.0

1) - New York State Department of Environmental Conservation Ground Water Quality Standards

ND = Not detected

NS = Not sampled

FIGURES



AM, PDF 0:\DWG\DELUXE\F1

		LIVERPOO	DL, NEW Y	YORK		
DATE	REVISED	PREPARED BY:		WSP USA 4 Westchest Suite 175 White Plain: (914) 694-57	s, New York	
DRAWN:	RAC	CHECKED: J	W DATE:	12/06/18	FIGURE:	1

FORMER CHECK PRINTING FACILITY 4707 DEY ROAD

DELUXE CORPORATION

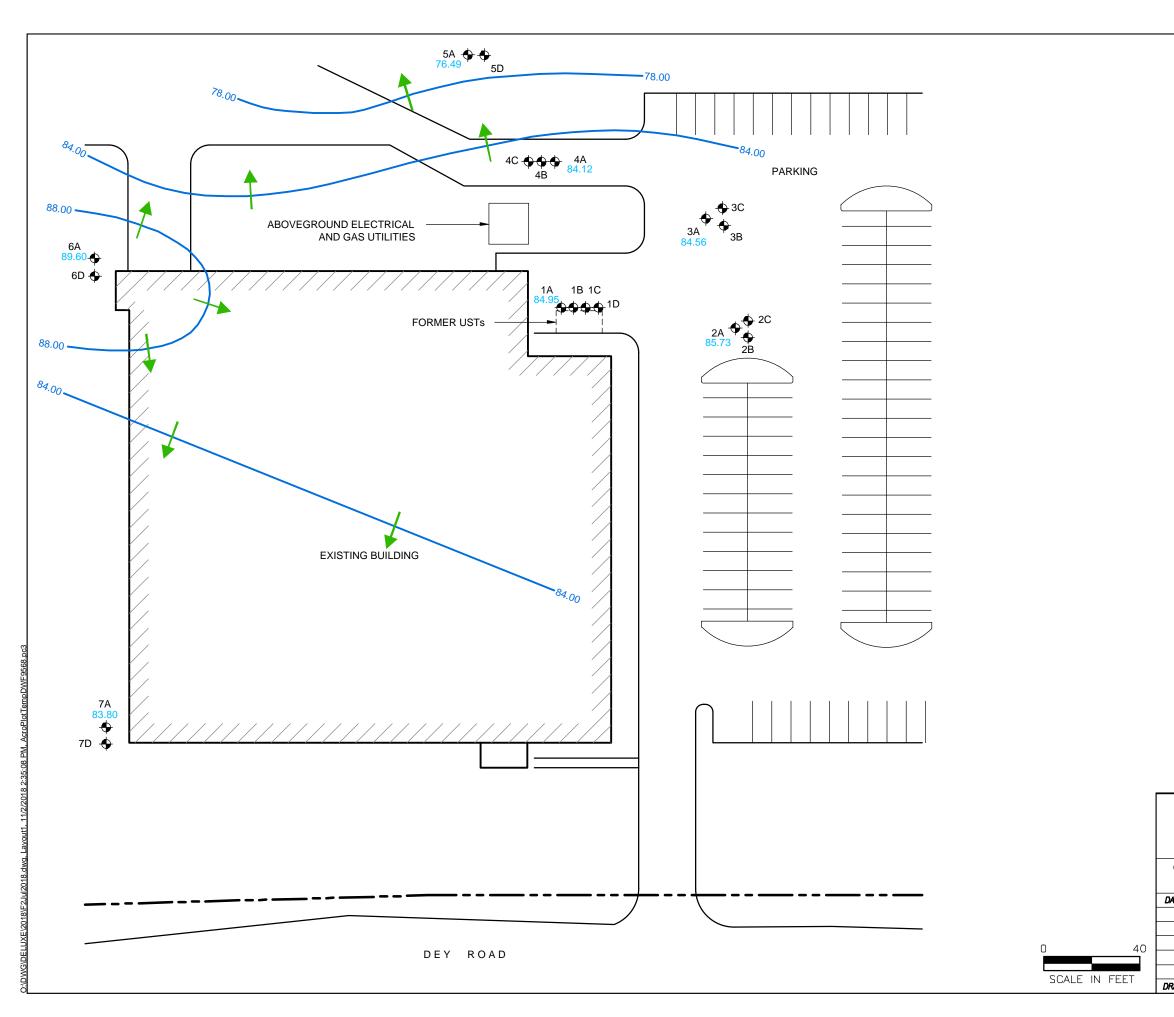


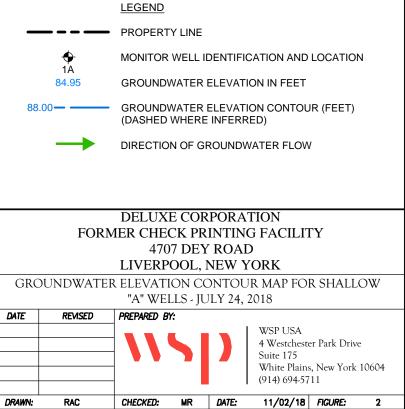
MONITOR WELL IDENTIFICATION AND LOCATION

LEGEND

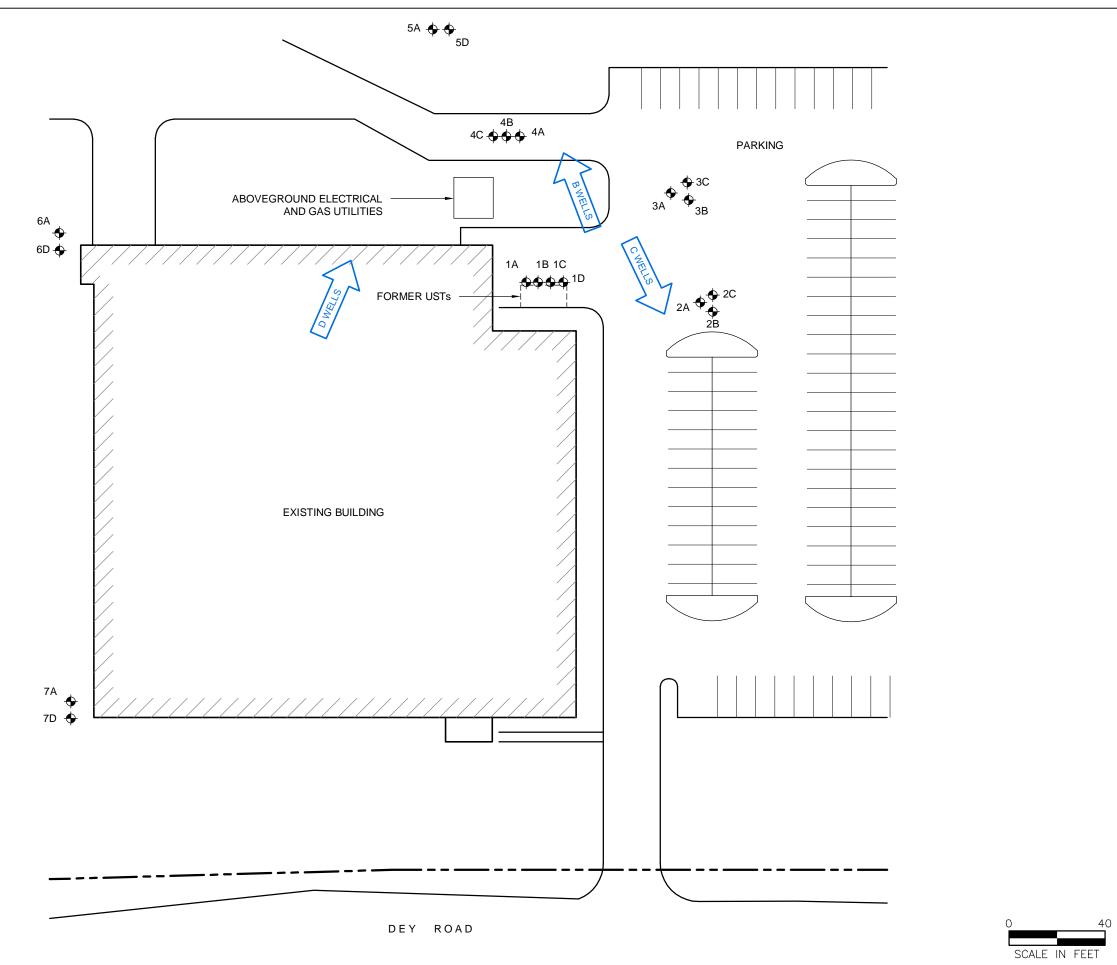
PROPERTY LINE











	DELUXE CORPORATION						
	FORMER CHECK PRINTING FACILITY						
4707 DEY ROAD							
LIVERPOOL, NEW YORK							
GENERALIZED GROUNDWATER FLOW DIRECTIONS IN "B", "C" AND "D" BEDROCK MONITOR WELLS - JULY 24, 2018							
DATE	REVISED	PREPARED B	n:)	WSP USA 4 Westchest Suite 175 White Plain: (914) 694-57	s, New Yorl	
DRAWN:	RAC	CHECKED:	JW	DATE:	12/06/18	FIGURE:	3



DIRECTION OF GROUNDWATER FLOW

MONITOR WELL IDENTIFICATION AND LOCATION

PROPERTY LINE

<u>LEGEND</u>



APPENDICES (ON ATTACHED C.D.)

APPENDIX A

APPENDIX A

LEGGETTE, BRASHEARS & GRAHAM, INC.

DECLARATION of COVENANTS and RESTRICTIONS

THIS DECLARATION of COVENANTS and RESTRICTIONS is made the 22 day of December, 2011, by M. S. Kennedy Corp. ("M. S. Kennedy"), a corporation organized and existing under the laws of the State of New York and having an office for the transaction of business at 4707 Dey Road, Liverpool, New York.

WHEREAS, Deluxe Corporation Former Check Printing Site is the subject of a Voluntary Cleanup Agreement executed by Deluxe Corporation ("Deluxe") as part of the New York State Department of Environmental Conservation's (the "Department's) Voluntary Cleanup Program, namely that parcel of real property located on 4707 Dey Road in the Town of Clay, County of Onondaga, State of New York, which is part of lands conveyed by Deluxe Financial Services, Inc. to M. S. Kennedy by deed dated December 29, 1999 and recorded in the Onondaga County Clerk's Office in Liber and Page 4383/287, and being more particularly described in Appendix "A," attached to this declaration and made a part hereof, and hereinafter referred to as the "Property"; and

WHEREAS, the Department approved a remedy to eliminate or mitigate all significant threats to the environment presented by the contamination disposed at the Property and such remedy requires that the Property be subject to restrictive covenants.

NOW, THEREFORE, M. S. Kennedy, as the current owner of the Property, for itself and its successors and/or assigns, covenants that:

First, the Property subject to this Declaration of Covenants and Restrictions is as shown on a map attached to this declaration as Appendix "B" and made a part hereof.

Second, unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, where contamination remains at the Property subject to the provisions of the Site Management Plan ("SMP"), there shall be no construction, use or occupancy of the Property that results in the disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results in unacceptable human exposure to contaminated groundwater.

Third, the owner of the Property shall not disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls required for the remedy, which are described in the SMP, unless in each instance the owner first obtains a written waiver of such prohibition from the Department or Relevant Agency.

* This document is being rerearded to include Appendices A & B which were inadvertently omitted on the prior recorded document Fourth, the owner of the Property shall prohibit the Property from ever being used for purposes other than for Commercial or Industrial use without the express written waiver of such prohibition by the Department or Relevant Agency.

Fifth, the owner of the Property shall prohibit the use of the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency.

Sixth, the owner of the Property shall provide a periodic certification prepared and submitted by a professional engineer or environmental professional acceptable to the Department or Relevant Agency, which will certify that the institutional and engineering controls put in place are unchanged from the previous certification, comply with the SMP, and have not been impaired, unless such periodic certification has been timely provided to the Department or Relevant Agency by Deluxe or Deluxe's successors or assigns.

Seventh, the owner of the Property shall continue in full force and effect any institutional and engineering controls required for the remedy and maintain such controls, unless Deluxe or Deluxe's successors or assigns have timely continued in full force and effect any such institutional and engineering controls and maintained such controls, or permission to discontinue such controls is first obtained from the Department or Relevant Agency, in compliance with the approved SMP, which is incorporated and made enforceable hereto, subject to modifications as approved by the Department or Relevant Agency.

Eighth, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property, and shall provide that the owner and its successors and assigns consent to enforcement by the Department or Relevant Agency of the prohibitions and restrictions that the Voluntary Cleanup Agreement requires to be recorded, and hereby covenant not to contest the authority of the Department or Relevant Agency to seek enforcement.

Ninth, any deed of conveyance of the Property, or any portion thereof, shall recite, unless the Department or Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions.

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.

M. S. KENN By: IARN Print Name: Title: Date:

ACKNOWLEDGEMENT OF DELUXE CORPORATION

Deluxe Corporation hereby acknowledges that it is a former owner of the above-referenced Property and that it continues to have certain obligations under the above-referenced Voluntary Cleanup Agreement to undertake periodic monitoring at the Property and to submit annual certifications to the New York State Department of Environmental Conservation.

DELUXE CORPORATION	4
By: D. Pit	
Print Name: Terry	D. Peterson
	Date: 12-19-2011

STATE OF NEW YORK)) s.s.: COUNTY OF ONONDAGA)

On the <u>28</u>th day of December, in the year 2011, before me, the undersigned, personally appeared <u>Richard Roehn</u>, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ics), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) setted, executed the instrument.

Notary Public State of New York March 13, 2015

STATE OF MINNESOTA)) s.s.: COUNTY OF RAMSEY)

On the 19+4 day of December, in the year 2011, before me, the undersigned, personally appeared 105+9, 105+4, 150, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public State of Minney



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APPENDIX A

Metes and Bounds Description of the Controlled Property from Schedule "A" to Deed dated December 29, 1999, and recorded in Onondaga County Deeds Liber 4383, page 287 on January 3, 2000

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Schedule "A"

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Clay, County of Onondaga and State of New York and being Part of Farm Lot 76 – BEGINNING at a point on the northerly line of Deys Road South 89° 09' 30" West 411.22 feet from the intersection of said northerly line of Deys Road with the westerly line of Seventh North Street (as widened), running thence from the above mentioned point of beginning South 89° 09' 30" West along the northerly line of Deys Road 332.18 feet to an angle point in said Deys Road, thence South 84° 39' 30" West along the northerly line of Deys Road 188.25 feet, thence North 0° 50' 30" West 406.51 feet, thence South 89° 31' 20" East 520.0 feet, thence South 0° 50' 30" East 379.77 feet to the northerly line of Deys Road and the place of beginning.

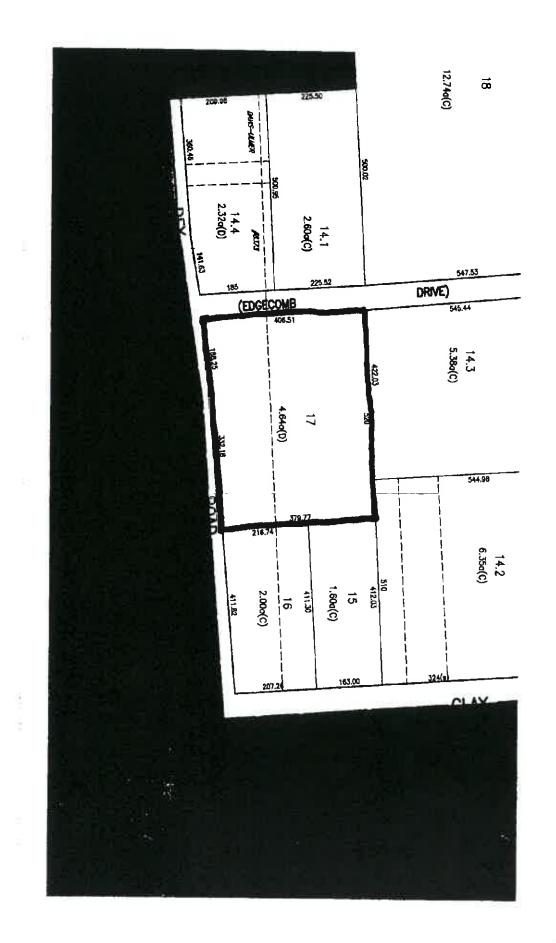
1914404.1 10/28/2011

APPENDIX B

(2)

Map of Controlled Property Tax Map #095.02-17.0 Excerpt from Section Map 95 Town of Clay, Onondaga County, NY Onondaga County Finance Department dated March 1, 2011

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APPENDIX B

		V	WSP USA				Location:		55		22		100
		4 Westche White J	4 Westchester Park Drive, Suite 175 White Plains, New York 10604	Suite 175 x 10604					7	Liver Pool, NY	I'NY		0
			(914) 694-5711				Date: 7	24/18	4	m 21/52/t	Weather/Comments:	nents:	
Field	1-1	M	= 05M/51	40		1	Professional:	, W	111		0007	1 MITL	Time
Well	14	Depth to Product	Depth to Groundwater	Product Thickness	Total Depth	GW Evacuated calc/actual	pH	Conductivity	y Turbidity	dity DO	Тетр	ORP	Sampled
Idenukauvu	7/24/18		(A hter)	9	(ft btoc)	(gallons)		(mS/cm)	NTU	(mg/l)	0	(mV)	100
~	7-1-1	(11 DIOC)	13.83	1	20.15	12:3124	"q. YO	t5	201	4.52	たた	19	1130
2	2442	٢	29.62	١	40.35	25	1	1	71		: } (s) (NV-
50		1	4982	5	60.40	40 40	89 89	561	C	4.54	1	22	1200
50		1	14 32		109-50	MACKZ (1238	10	-	2:50	82.41	48-	ITS D-
SE	0140	N.C.	13.00	1	20.10	3425	アン	503	242	192	22.80	88	24.01
11	2110	1	29.92	1	40-15	X))))))	NS
50	2122	•	4953	1	61-00	5.5 6	6.66	1.56	361	1548	1858	-	1100
200	いけし		したと	1	20.00	23	トーン	:659	0	16.04 19-10	19-10	46	1200
TOT	0000	-	29.40	-	10.10	V	Ī	١)))		うい
300	000	ι	42 51	l	8	5.6%	9h L	199	157	14.41	34.41	22	1240
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APPENDIX C



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F A C I L I T Y

APPENDIX D

APPENDIX E



DATA USABILTY SUMMARY REPORT (DUSR) OF THE DELUXE CORPORATION SITE

VOLATILE ORGANIC ANALYSES (EPA METHOD 8260C) IN AQUEOUS SAMPLES

YORK ANALYTICAL LABORATORIES, INC. STRATFORD, CT

REPORT NUMBER: 18G1276

November 2018

Prepared for WSP USA White Plains, New York

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Prepared by Premier Environmental Services 2815 Covered Bridge Road Merrick, New York 11566 (516)223-9761

NYS DEC Data Usability Summary Report

DATA VALIDATION FOR:	Volatile Organic Analyses, (EPA Methods: 8260C)
SITE:	Deluxe Corporation Site
CONTRACT LAB:	York Analytical Laboratories, Inc. Stratford, CT
PROJECT NO.:	18G1276
REVIEWER:	Renee Cohen
DATE REVIEW COMPLETED:	November 2018
MATRIX:	Aqueous

The data validation was performed according to the guidelines in the USEPA National Functional Guidelines for Organic Data Review and the USEPA Region II SOP HW-6-CLP Organic Data Review Preliminary Review. In addition, method and QC criteria specified in the NYSDEC ASP documents were cited. All data are considered valid and acceptable except those analytes which have been deemed unusable "R" (unreliable). Due to various QC problems some analytes may have been qualified with a "J" (estimated), "N" (presumptive evidence for the presence of the material), "U" (non-detect), or "JN" (presumptive evidence for the presence of the material at an estimated value) flag. All actions are detailed on the attached sheets.

Table 1 of this report includes a cross reference between the field sample ID and laboratory sample ID used to perform data validation. Definitions of the data qualifiers that may be used in this report are located in Appendix A of this report. Qualified data result pages are located in Appendix B of this report. A copy of the Chain of Custody (COC) document is located in Appendix C of this report.

This sample set included fourteen (14) aqueous field samples, one (1) Field Duplicate sample, one (1) Field Blank sample and one (1) Trip Blank sample. This data assessment is for the organic analyses listed on the COC documents that accompanied the samples to the laboratory. The samples were collected July 24, 2018 and July 25, 2018. The samples were received at York Analytical Laboratories located in Stratford, CT on July 31, 2018 to be analyzed for the parameters listed on the COC documents. This data report is the review of the Volatile Organic Compounds (VOCs).

1. OVERVIEW:

Samples associated with this data set were analyzed for Volatile Organic Analytes (VOA) as marked on the COC documentation that accompanied the sample set to the laboratory. All analyses were performed in accordance with USEPA Test Methods for the Evaluation of Solid Waste (SW846) as well as the NYSDC ASP methodologies. Data validation will utilize the validation guidelines in listed above, however, QA/QC requirements of the NYS DEC ASP will supersede CLP requirements in terms of calibration (where applicable) and holding time. York Analytical Laboratories generated a stand-alone report for each fraction in compliance with the NYS DEC ASP Category B deliverables. A summary of the applicable QC will be discussed at each section of the report.

Laboratory report 18G1278 consists of fifteen (15) aqueous field samples (including one (1) Field Blank sample), one (1) Field Blank sample and one (1) Trip Blank sample. The Chain of Custody document listed the field sample ID's that are summarized in Table 1 of this report. A copy of the COC documents are located in Appendix C of this report.

2. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. The NYS DEC ASP criteria specifies holding times for solid and soil samples. These holding times are based on Validated Time of Sample Receipt (VTSR). The holding times cited in the NY ASP were reviewed. EPA SW846 methods cite holding times based on collection date. The technical holding time for properly preserved aqueous Volatile Organic samples is fourteen (14) days.

Proper preservation of an aqueous sample is pH preservation (<pH2) and refrigeration at 4 degrees C or less until analysis. The holding time criteria for volatile organic sample analysis is that properly preserved samples are to be analyzed within ten (10) days of VTSR. The holding time criteria for non-aqueous semivolatile organic samples is that the extraction is to be completed within ten (10) days of VTSR and that analysis of the extract is to be completed within forty (40) days.

The samples in laboratory report 18G1276 were collected July 24, 2018 and July 25, 2018. The samples were received at the laboratory on July 31, 2018. These groundwater samples were received in appropriate glassware with proper preservation. The sample analyses and QC sample analyses associated with this data set were completed on August 6, 2018. The sample analyses associated with this data set were analyzed within the NYS DEC ASP holding time.

3. SURROGATES:

Samples to be analyzed for Volatile Organic Analytes (VOA) are fortified with three (3) method recommended surrogate compounds. These include 1,2-Dichloroethane-d4, Toluene d8 and 4-Bromofluorobenzene. These surrogate compounds are added to the sample prior to analysis to evaluate the overall laboratory performance and the efficiency of the analytical technique.

The laboratory reported in-house limits in terms of percent recovery of each surrogate compound. The surrogate percent recovery of each surrogate compound met QC criteria in each of the field samples and QC samples associated with this data set.

4. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Site specific MS/MSD analysis was performed on sample 4C (18G1276-09). Sample 4C was fortified with each of the reported target analytes. The percent recovery and RPD of each target analyte met in-house QC limits in the site-specific MS and MSD in-house sample percent recovery limits and RPD (0-30%).

In addition, the laboratory prepared and analyzed a one (1) Laboratory Control Sample and or Laboratory Control Sample Duplicate (LCS/LCSD) with each sample batch. Three (3) aqueous LCS/LCSD sample sets are reported with this data set. The laboratory fortified each with a full component spike solution. York Analytical Laboratories used a "CLP Like" QC summary form to report the data results. In-house QC limits were applied for each analyte.

The percent recovery (%) of each target analyte met QC criteria in each of the LCS sample batches with the exception of the following:

Batch ID	Analyte	Recovery	RPD
BH80203	Bromoform	Low/Low	ОК
	cis 1,3-Dichloropropene	Low/Low	OK
	Tetrachloroethene	Low/Low	ОК
	trans 1,3-Dichloropropene	Low/Low	OK
	cis 1,3-Dichloroethane	Low/Low	OK
BH80208	Tetrachloroethene	Ok/Low	OK
BH80266	Bromoform	Ok/Low	OK

Detected target analytes have been estimated "J/UJ" qualified when the % Recovery was below QC limit in the samples reported from these sample batches.

Qualified data result pages are located in Appendix B of this report.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, such as the method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Samples were only qualified when associated with the particular blank.

A) Method Blank contamination

Volatile Organic Analyses – Three (3) method blank samples are associated with this data set. Each of the method blank samples (Batch BH80203, BH80208 and BH80266) were free from contamination of target analytes.

B) Field Blank (ERB) contamination

The Field Blank sample was free from contamination of target and non-target analytes.

C) Trip Blank contamination

A Trip Blank sample associated with this data set. The Trip Blank sample was free from contamination of target and non-target analytes.

6. GC/MS CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument is giving satisfactory daily performance. Region USEPA and Region II criteria is the sample for all analytes in both GC/MS Volatile and GC/MS Semivolatile Organic analyses is the same, therefore, all text discussion is for VOA and SVOA samples analyses.

A) RESPONSE FACTOR

The response factor measures the instrument's response to specific chemical compounds. Region II data review requires that the response factor of all analytes be greater than or equal to 0.05 in both initial and continuing calibration analyses. A value less than 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Region II data validation criteria states that if the minimum RRF criteria are not met in an initial calibration the positive results are qualified "J". Non-detect results in the initial calibration with an RRF <0.05 are qualified "R", unusable. If RRF criteria is not met in the continuing calibration curve analysis, affected positive analytes will be qualified "J" estimated. Those analytes not detected are not qualified. The SW-846 Methods cite specific analytes known as System Performance Check Compounds (SPCC). Minimum response criteria are set for these analytes. If the minimum criteria are not met, analyses must stop, and the source of problems must be found and corrected. Data associated with this set has been reviewed for the criteria in the cited in the Region II criteria.

Volatile Organic Analyses – One (1) aqueous initial calibration curve analysis was performed on Instrument V6 on July 25, 2018. The laboratory summarized the RRF data on the CLP Form 6A. The laboratory included all raw data and instrument summary forms in the data report for review. The average RRF of target compounds met QC criteria in these initial calibration curve analyses with the exception of :

Instrument ID	Date	Analyte	RRF
VOAMS6	7/25/18	1,4-Dioxane	0.002
		1,2-Dibromo-3-chlorpropane	0.009
		2-Butanone	0.007

These target analytes have been deemed unusable "R" qualified in each of the samples reported in this data set.

A second source verification calibration standard (QV607906.D) was analyzed following the initial calibration curve analysis. Target analyte RRF criteria was met in this analysis.

Three (3) continuing calibration standard analyses are reported in this data set. RRF criteria reported in these CCV standards met QC criteria, except where previously qualified.

Qualified data result pages are located in Appendix B of this report.

6. GC/MS CALIBRATION:

B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the compounds in the continuing calibration standard to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Region II data validation criteria states that the percent RSD of the initial calibration curve must be less than or equal to 20% for all compounds. The %D must be <20% in the continuing calibration standard. These criteria have been applied to all target analytes. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects may be flagged "UJ", based on professional judgment. If %RSD and %D grossly exceed QC criteria (>90%), non-detects data may be qualified "R", unusable. Data associated with this set has been reviewed for the criteria in the cited in the USEPA Data Validation Guidelines and the USEPA Region II criteria.

One (1) multi-level initial calibration curve analysis is associated with the samples reported in this data set. The laboratory performed the aqueous initial calibration analysis on July 25, 2018 (Inst. V6). The %RSD of target compounds met QC criteria with the exception of: the following target compounds: 4-methyl-2-pentanone (30.11%), Acrolein (31.43%), 1,1,1,2-Tetrachloroethane (26.83%), 1,1,1-Trichloroethane (21.87%), 1,1,2,2-Trichloroethane (27.95%), Freon 113 (21.94%), 1,2,3-Trichloroethane (20.52%), 1,1-Dichloroethane (20.55%), 1,2,3-Trichlorobenzene (26.84%), 1,2,3-Trichloropenzene (25.31%), 1,2,4-Trichlorobenzene (28.17%), 1,2-Dibromoethane (21.99%), 1,2-Dichloropropane (21.19%) and 1,3-Dichlorobenzene (24.60%).

Samples reported in this data set have been estimated "J"/"UJ" qualified in each of the samples reported in this data set.

Three (3) continuing calibration standard analyses are associated with these initial calibration curve analyses. The% Difference of target analytes met QC criteria in each of the CCV standards associated with this data set with the exception of the following:

Date	File ID	Analyte	% Difference
8/3/18	QV60800.D	1,4-Dioxane	31.1
		Acrolein	59.0
		Bromomethane	26.9
		Chloromethane	59.4
		Dichlorodifluoromethane	>100
		tert Butyl Alcohol (TBA)	26.6
		trans 1,2-Dichloroethene	29.6
		Vinyl Chloride	89.1

6. GC/MS CALIBRATION:

B) PERCENT RELATIVE STANDARD DEVIATION (RSD) AND PERCENT DIFFERENCE (%D) (cont'd):

Date	File ID	Analyte	% Difference
8/6/18	QV608275.D	1,3,5-Trimethylbenzene	20.2
		2-Hexanone	28.9
		Acetone	57.1
		Carbon Disulfide	20.4
		Chloroethane	21.9
		Dichlorodifluoromethane	142
		Isopropylbenzene	22.0
		n-Butylbenzene	20.2
		n-Propylbenzene	22.5
		sec-Butylbenzene	22.3
		tert Butyl Alcohol (TBA)	40.9
		tert Butylbenzene	23.5
		Vinyl Chloride	>100
8/6/18	QV608299.D	Acrolein	27.9
		Bromomethane	37.6
		Chloromethane	94.9
		Dichlorodifluoromethane	>100
		Methylene Chloride	20.3
		n-Butylbenzene	20.4
		Vinyl Chloride	>100

Target analytes in these associated CCV standard analyses have been estimated have been qualified "J"/"UJ" qualified in the associated field samples.

Qualified data result pages are located in Appendix B of this report.

7. GC/MS MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is Bromofluorobenzene (BFB). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R". The tuning compound for semivolatile organic analyses is decafluorotriphenylphosphine (DFTPP). If the mass calibration is in error, or missing, all associated data will be classified as unusable, "R".

The tune criteria listed in the data report met or exceeded that required by the method. All tuning criteria associated with these sample analyses were met.

8. GC/MS INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every run. The method recommends that the internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The method recommends that the retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. The EPA CLP validation guidelines state that if the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified estimated, "J", and all non-detects below 50% are qualified "UJ", non-detects above 100% should not be qualified or "R" if there is a severe loss of sensitivity. The internal standard area count evaluation criteria are applied to all field and QC samples.

Samples are fortified with the internal standards Chlorobenzene-d5, Fluorobenzene and 1,2-Dichlorobenzene-d4 prior to analysis. The area counts, and retention time of each internal standard met QC criteria in each of the field samples and QC samples associated with this data set.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary ion intensities with 20% of that in the standard compound.

Laboratory Report 18G1276 included the analysis of fourteen (14) aqueous samples, one (1) Field Duplicate Blank sample, one (1) Field Blank sample and one (1) Trip Blank sample. The samples were analyzed in accordance with EPA Method 8260C. The EPA Method 8260C list of compounds was reported. Sample results between the laboratory Limit of Detection (LOD) and Limit of Quantitation (LOQ) are reported "J" qualified by the laboratory.

York Analytical Laboratories reported one (1) result for each target analyte in each sample. The result pages summarize the final target analyte result and dilution utilized to report the result.

Sample 1A (18G1276-01) was initially analyzed 1:1 on August 6, 2018. The concentration of Tetrachloroethene was reported above the calibration range of the GCMS. The sample was reanalyzed from a 1:5 dilution analysis to report Tetrachloroethene within the calibration range of the GCMS. York Analytical Laboratories reported one (1) result page for each sample. The result page summarizes the final target analyte result and dilution utilized to report the result.

10. FIELD DUPLICATE ANALYSES:

Field duplicate samples are collected and analyzed as an indication of overall precision. Field duplicate results are expected to have more variability than laboratory duplicate samples. Soil sample results are expected to have more variation due to the non-homogeneity of soil samples.

Sample 4A (18G1276-08) was collected in duplicate and reported in this data set. A review of detected analytes was performed. The relative percent difference (RPD) of detected analytes met QC criteria in the field duplicate sample analyses with the exception of cis 1,2-Dichloroethene (41.5%) and Tetrachloroethene (37.5%). cis 1,2-Dichloroethena and Tetrachloroethene has been estimated "J" qualified in the parent sample and field duplicate sample reported in this data set.

Qualified data result pages are located in Appendix B of this report.

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT

Analytical/method QC criteria was met for these analyses except where explained in the laboratory case narrative and detailed in this validation report. The data reported by the laboratory agrees with the raw data provided in the final report with the exception of that detailed in the above report. The laboratory provided a complete data package and reported all data using acceptable protocols and laboratory qualifiers as defined in the report package. All QC anomalies associated with this data set have been explained in the above sections of this DUSR report.

All sample results are reported to the LOQ. An analyte concentration reported between the LOD and LOQ are "J" qualified by the laboratory. Reporting limits and positive results are adjusted based on the sample volume/weight utilized for each extraction procedure. Sample data results in this data set are acceptable for use, with noted data qualifiers. 1,2-Dibromo-3-Chloropropan, 1,4-Dioxane and 2- Butanone have been deemed "unusable" "R" qualified due to the low response factor in the calibration analysis. These target analytes have been qualified in each of the samples reported in this data set.

Appendix B of this report contains copies of qualified data result pages.

TABLE 1

FIELD	SAMPLE ID

LABORATORY ID

1A	18G1276-01
1C	18G1276-02
1D	18G1276-03
2A	18G1276-04
2C	18G1276-05
3A	18G1276-06
3C	18G1276-07
4A	18G1276-08
4 C	18G1276-09
5A	18G1276-10
5D	18G1276-11
6A	18G1276-12
6D	18G1276-13
7D	18G1276-14
Field Duplicate	18G1276-15
Trip Blank	18G1276-16
Field Blank	18G1276-17

APPENDIX A

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DATA QUALIFIER DEFINITIONS

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are unreliable/unusable. The presence or absence of the analyte cannot be verified.

APPENDIX B

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ORGANIC ANALYSIS DATA SHEET EPA 8260C

1A

Laboratory:	York Analytical Laboratories, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXL	<u>VP.00</u>		
Matrix:	Water Laboratory ID	: <u>18G127</u>	6-01	File ID:	<u>QV608296.D</u>		
Sampled:	<u>07/25/18 11:30</u> Prepared:	08/06/1		Analyzed:	08/06/18 20:54		
Solids:	•			-			
	Preparation:	<u>EPA 503</u>		Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	r	0632	Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	-
CAS NO.	COMPOUND		DILUTION	COl	NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	<u></u>	1		0.50	U	UJ
71-55-6	1,1,1-Trichloroethane		1		0.23	J	
79-34-5	1,1,2,2-Tetrachloroethane		1		0.50	U	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freor	113)	1		0.50	U	
79-00-5	1,1,2-Trichloroethane		1		0.50	U	UJ
75-34-3	1,1-Dichloroethane		1		0.44	J	17
75-35-4	1,1-Dichloroethylene		1		0.50	<u> </u>	UT
87-61-6	1,2,3-Trichlorobenzene		1		0.50	<u> </u>	UJ
96-18-4	1,2,3-Trichloropropane		1		0.50	<u> </u>	UJ
120-82-1	1,2,4-Trichlorobenzene		1		0.50	U	UJ
95-63-6	1,2,4-Trimethylbenzene		1		0.50	U	
96-12-8	1,2-Dibromo-3-chloropropane		1		0.50	U	R
106-93-4	1,2-Dibromoethane		1		0.50	U	JUJ
95-50-1	1,2-Dichlorobenzene		1		0.50	U	
107-06-2	1,2-Dichloroethane		1		0.50	U	JUJ
78-87-5	1,2-Dichloropropane		1		0.50	U	JUJ
108-67-8	1,3,5-Trimethylbenzene		1		0.50	U	TUT
541-73-1	1,3-Dichlorobenzene		1		0.50	U	TUJ
106-46-7	1,4-Dichlorobenzene		1		0.50	U	
123-91-1	1,4-Dioxane		1		40	U	R
78-93-3	2-Butanone		1		0.50	U	$\Box R$
591-78-6	2-Hexanone		1		0.50	U	JUJ
108-10-1	4-Methyl-2-pentanone		1		0.50	U	TUT
67-64-1	Acetone		1		5.2		Ţ
107-02-8	Acrolein		1		0.50	U	JUJ
107-13-1	Acrylonitrile		1		0.50	U	
71-43-2	Benzene		1		0.50	U	
74-97-5	Bromochloromethane		1		0.50	U	
75-27-4	Bromodichloromethane		1		0.50	U	
75-25-2	Bromoform		1		0.50	U	
74-83-9	Bromomethane		1		0.50	U	
75-15-0	Carbon disulfide		1		0.50	U	UT
56-23-5	Carbon tetrachloride		1		0.50	U	
108-90-7	Chlorobenzene		1		0.50	U	
75-00-3	Chloroethane		1		0.50	υ	JUJ
67-66-3	Chloroform		1		1.5		
74-87-3	Chloromethane		1		0.50	U	JUJ
156-59-2	cis-1,2-Dichloroethylene		1		22		
10061-01-5	cis-1,3-Dichloropropylene		1		0.50	U	
110-82-7	Cyclohexane		1		0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

1A

Laboratory:	York Analytical Labora	tories, Inc.			SDG:	18G1276				
Client:	WSP USA, Inc. (White	Plains)			Project:	770510.DLXLV	'P.00			
Matrix:	Water	Laborate	orv ID:	<u>18G127</u>	•	File ID:	<u>QV608296.D</u>			
Sampled:			•							
·	07/25/18 11:30	Prepared		08/06/13		Analyzed:	<u>08/06/18 20:54</u>			
Solids:		Preparat	ion:	<u>EPA 50</u>	<u>30B</u>	Initial/Final:	<u>25 mL / 25 mL</u>			
Batch:	BH80208 Sequ	uence:	<u>Y8H0632</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>		
CAS NO.	COMPOUND				DILUTION	CON	C. (ug/L)	Q		
124-48-1	Dibromochloromethane				1		0.50	U		
74-95-3	Dibromomethane				1		0.50	U		
75-71-8	Dichlorodifluorometha	ne			1		0.50	U	UJ	
100-41-4	Ethyl Benzene				1		0.50	U		
87-68-3	Hexachlorobutadiene				1		0.50	U		
98-82-8	Isopropylbenzene				1		0.50	υ	UJ	
79-20-9	Methyl acetate			1		0.50	U			
1634-04-4	Methyl tert-butyl ether	(MTBE)			11		0.50	U		
108-87-2	Methylcyclohexane				1		0.50	U		
75-09-2	Methylene chloride				1		2.0	U		
104-51-8	n-Butylbenzene				1		0.50	U	UJ	
103-65-1	n-Propylbenzene				1		0.50	U	TU	
95-47-6	o-Xylene				1		0.50	U		
179601-23-1	p- & m- Xylenes				1		1.0	U		
99-87-6	p-Isopropyltoluene				1		0.50	U	·	
135-98-8	sec-Butylbenzene				1		0.50	U	LUT	
100-42-5	Styrene				1		0.50	U	_	
75-65-0	tert-Butyl alcohol (TBA)		tert-Butyl alcohol (TBA)			1		1.0	U	LUT
98-06-6	tert-Butylbenzene		-	1		0.50	UU	TU		
108-88-3	Toluene			1	0.50		U			
156-60-5	trans-1,2-Dichloroethylene 1 0.32		0.32	J						
10061-02-6	-6 trans-1,3-Dichloropropylene 1			0.50	U					
110-57-6	trans-1,4-dichloro-2-but	tene			1		0.50	U		
79-01-6	Trichloroethylene				1	120				
75-69-4	Trichlorofluoromethane				1	0.50		U		
75-01-4	Vinyl Chloride				1).42	J	J	
1330-20-7	Xylenes, Total				1		1.5	U		
SYSTEM MON	ITORING COMPOUND		ADDED	(ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q		
1,2-Dichloroetha	ine-d4		10.	0	10.4	104	69 - 130			
Toluene-d8			10.	0	9.37	93.7	81 - 117			
p-Bromofluorob	enzene		10.	0	10.8	108	79 - 122	<u> </u>		
INTERNAL STA	ANDARD		AR	EA	RT	REF AREA	REF RT	Q		
Fluorobenzene			1225		6.111	130881	6.109	ļ	_	
Chlorobenzene-c	· · · · · · · · · · · · · · · · · · ·		4600		9.172	477558	9.166		_	
1,2-Dichloroben:	zene-d4		1744	99	12.157	170011	12.154			

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET EPA 8260C

1A

32 1 4 1 1 1									
York Analytical Laboratories, Inc.				SDG:	<u>18G1276</u>				
WSP USA, Inc. (White Plai	<u>ns)</u>			Project:	770510.DLXLVF	2.00		
Water		Laborato	ry ID:	<u>18G127</u>	6-01RE1	File ID:	<u>QV608207.D</u>		
07/25/18 11:30		Prepared:		<u>08/03/18</u>	<u>8 06:00</u>	Analyzed:	<u>08/03/18 11:05</u>		
		Preparatio	on:	<u>EPA 503</u>	<u>30B</u>	Initial/Final:	<u>25 mL / 25 mL</u>		
<u>BH80203</u>	Sequence	e:	<u>Y8H0619</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
COMPOUND	COMPOUND				DILUTION	CONC	C. (ug/L)	Q	
Tetrachloroethylene				5	1	10	D	I	
SYSTEM MONITORING COMPOUND			ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
ne-d4						99.0	69 - 130	· · · · · · · · · · · · · · · · · · ·	
					9.51	95.1	81 - 117		
nzene			10	.0	11.4	114	79 - 122		
NDARD			AR	EA	RT	REF AREA	REF RT	Q	
			146	216	6.109	145212	6.109		
5			538	381	9.166	544919	9.169		
zene-d4			175	718	12.154	197536	12.152		
	WSP USA, Inc. (Water 07/25/18 11:30 BH80203 COMPOUND Tetrachloroethyle	WSP USA, Inc. (White Plai Water 07/25/18 11:30 BH80203 Sequence COMPOUND Tetrachloroethylene TORING COMPOUND ne-d4 mzene NDARD 5	WSP USA, Inc. (White Plains) Water Laborator 07/25/18 11:30 Prepared: Preparation Preparation BH80203 Sequence: COMPOUND Tetrachloroethylene TORING COMPOUND Inne-d4 Innzene Inne-d4 S Sequence	WSP USA, Inc. (White Plains) Water Laboratory ID: 07/25/18 11:30 Prepared: Preparation: Preparation: BH80203 Sequence: Y8H0619 COMPOUND Tetrachloroethylene 10 TORING COMPOUND ADDEL ne-d4 10 NDARD AR 5 538	WSP USA, Inc. (White Plains) Water Laboratory ID: 18G127 07/25/18 11:30 Prepared: 08/03/11 Prepared: 08/03/11 Prepared: 108/03/11 Preparation: EPA 503 BH80203 Sequence: Y8H0619 COMPOUND ADDED (ug/L) Tetrachloroethylene 10.0 me-d4 10.0 Inzene 10.0 NDARD AREA 146216 5	WSP USA, Inc. (White Plains) Project: Water Laboratory ID: 18G1276-01RE1 07/25/18 11:30 Prepared: 08/03/18 06:00 Preparation: EPA 5030B BH80203 Sequence: Y8H0619 COMPOUND DILUTION Tetrachloroethylene 5 TORING COMPOUND ADDED (ug/L) CONC (ug/L) ne-d4 10.0 9.90 10.0 9.51 11.4 NDARD AREA RT 146216 6.109 538381 9.166	WSP USA, Inc. (White Plains) Project: 770510.DLXLVI Water Laboratory ID: 18G1276-01RE1 File ID: 07/25/18 11:30 Prepared: 08/03/18 06:00 Analyzed: Preparation: EPA 5030B Initial/Final: BH80203 Sequence: Y8H0619 Calibration: YG80021 COMPOUND DILUTION CONC Tetrachloroethylene 5 1 TORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC ne-d4 10.0 9.90 99.0 10.0 9.51 95.1 114 NDARD AREA RT REF AREA 146216 6.109 145212 5	WSP USA, Inc. (White Plains) Project: 770510.DLX.LVP.00 Water Laboratory ID: 18G1276-01RE1 File ID: QV608207.D 07/25/18 11:30 Prepared: 08/03/18 06:00 Analyzed: 08/03/18 11:05 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL BH80203 Sequence: Y8H0619 Calibration: YG80021 Instrument: COMPOUND DILUTION CONC. (ug/L) Tornument: 10.0 9.90 69 - 130 ne-d4 10.0 9.90 99.0 69 - 130 117 inzene 10.0 11.4 114 79 - 122 NDARD AREA RT REF AREA REF RT 146216 6.109 145212 6.109 5 538381 9.166 544919 9.169	WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00 Water Laboratory ID: 18G1276-01RE1 File ID: QV608207.D 07/25/18 11:30 Prepared: 08/03/18 06:00 Analyzed: 08/03/18 11:05 Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL BH80203 Sequence: Y8H0619 Calibration: YG80021 Instrument: QVOA6 COMPOUND Sequence: Y8H0619 Calibration: YG80021 Instrument: QVOA6 Tetrachloroethylene 5 110 D D TORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q ne-d4 10.0 9.90 99.0 69 - 130 100 10.0 11.4 114 79 - 122 10.0 11.4 114 79 - 122 10.0 146216 6.109 145212 6.109 15512 538381 9.166 544919 9.169 169 169 169 169 169 169 169 169

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET EPA 8260C

1C

Laboratory:	York Analytical Laboratories, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXL	<u>/P.00</u>		
Matrix:	Water Laboratory II	D: <u>18G127</u>	/6-02	File ID:	QV608284.D		
Sampled:	07/25/18 12:50 Prepared:	08/06/1		Analyzed:	08/06/18 15:04		
Solids:	•			-			
	Preparation:	<u>EPA 50</u>		Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	<u>BH80208</u> Sequence: <u>Y8</u>	<u>H0632</u>	Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND		DILUTION	CON	VC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane		1		0.50	U	TU
71-55-6	1,1,1-Trichloroethane		1	<u> </u>	0.57		1
79-34-5	1,1,2,2-Tetrachloroethane		1		0.50	U	_UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Free	n 113)	1		0.50	U	_
79-00-5	1,1,2-Trichloroethane		1		0.50	U	TU_
75-34-3	1,1-Dichloroethane		1		0.89		1
75-35-4	1,1-Dichloroethylene		1		0.82		
87-61-6	1,2,3-Trichlorobenzene		1		0.50	U	_UJ
96-18-4	1,2,3-Trichloropropane		1		0.50	U	_V.T_
120-82-1	1,2,4-Trichlorobenzene		1		0.50	U	LU
95-63-6	1,2,4-Trimethylbenzene		1		0.50	U	_
96-12-8	1,2-Dibromo-3-chloropropane		1		0.50	U	R
106-93-4	1,2-Dibromoethane		1		0.50	U	TU
95-50-1	1,2-Dichlorobenzene		1		0.50	U	_
107-06-2	1,2-Dichloroethane		1		0.50	U	05
78-87-5	1,2-Dichloropropane		1		0.50	<u> </u>	05
108-67-8	1,3,5-Trimethylbenzene		1		0.50	UU	_UJ
541-73-1	1,3-Dichlorobenzene		1		0.50	U	JUJ
106-46-7	1,4-Dichlorobenzene		1		0.50	U	
123-91-1	1,4-Dioxane		1		40	U	R
78-93-3	2-Butanone		1		0.50	U	R
591-78-6	2-Hexanone		1		0.50	UU	LU
108-10-1	4-Methyl-2-pentanone		1		0.50	U	UJ
67-64-1	Acetone		1		2.0	<u> </u>	UT
107-02-8	Acrolein		1		0.50	U	_VJ
107-13-1	Acrylonitrile		1		0.50	U	
71-43-2	Benzene		1		0.50	<u> </u>	
74-97-5	Bromochloromethane		1		0.50	U	
75-27-4	Bromodichloromethane		1		0.50	U	
75-25-2	Bromoform		1		0.50	U	
74-83-9	Bromomethane		1		0.50	U	
75-15-0	Carbon disulfide		1		0.50	U	UJ
56-23-5	Carbon tetrachloride		1		0.50	U	
108-90-7	Chlorobenzene		1		0.50	UU	
75-00-3	Chloroethane		1		0.50	U	TU
67-66-3	Chloroform		1		0.50	<u> </u>	`
74-87-3	Chloromethane	_	1		0.50	U	UJ
156-59-2	cis-1,2-Dichloroethylene		1		0.50	U	
10061-01-5	cis-1,3-Dichloropropylene		1		0.50	U	
110-82-7	Cyclohexane		1		0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

1C

Laboratory:	York Analytical Laboratoric	es, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Pla	ins)		Project:	770510.DLXLV			
Matrix:	Water	Laboratory ID:	<u>18G127</u>	-	File ID:	 QV608284.D		
Sampled:	07/25/18 12:50	Prepared:	08/06/1	<u>8 08:00</u>	Analyzed:	08/06/18 15:04		
Solids:		Preparation:	EPA 50	30B	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80208 Sequenc	-		Calibration:	YG80021	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND	<u></u>		DILUTION		C. (ug/L)	Q	
124-48-1	Dibromochloromethane			DILOTION	1	0.50	<u>v</u>	_
74-95-3	Dibromomethane			1).50	1	-
	1					····· · -	<u> </u>	
75-71-8	Dichlorodifluoromethane			<u> </u>		0.50	U	TU
100-41-4	Ethyl Benzene			I	· · · · · · · · · · · · · · · · · · ·	0.50	U	-
87-68-3	Hexachlorobutadiene			1		0.50	U	-1
98-82-8	Isopropylbenzene			1		.50	U	_UJ
79-20-9	Methyl acetate			1		.50	U	_
1634-04-4	Methyl tert-butyl ether (MT	BE)		1		.50	U	4
108-87-2	Methylcyclohexane			1		.50	U	
75-09-2	Methylene chloride			1		2.0	U	
104-51-8	n-Butylbenzene	- · • • • ·		11	0	.50	U	UT
103-65-1	n-Propylbenzene			1	0	.50	U	TU
95-47-6	o-Xylene			1	0	.50	U	
179601-23-1	p- & m- Xylenes			1		1.0	U	
99-87-6	p-Isopropyltoluene			1	0	.50	U	
135-98-8	sec-Butylbenzene			1	0	.50	U	UJ
100-42-5	Styrene			1	0	.50	U	
75-65-0	tert-Butyl alcohol (TBA)			1		1.0	U	UJ
98-06-6	tert-Butylbenzene			1	0	.50	U	UJ
127-18-4	Tetrachloroethylene			1	0	.50	U	20
108-88-3	Toluene			1	0	.50	U	
156-60-5	trans-1,2-Dichloroethylene			1	0	.50	U	
10061-02-6	trans-1,3-Dichloropropylene	9		1	0	.50	U	
110-57-6	trans-1,4-dichloro-2-butene			1	0	.50	U	
79-01-6	Trichloroethylene			1	0	.50	υ	
75-69-4	Trichlorofluoromethane			1	0	.50	U	
75-01-4	Vinyl Chloride			1	0	.50	U	UJ
1330-20-7	Xylenes, Total			1		1.5	U	
SYSTEM MONI	ITORING COMPOUND	ADD	ED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ine-d4		10.0	9.77	97.7	69 - 130		
Toluene-d8			10.0	9.81	98.1	81 - 117		
p-Bromofluorobe	enzene		10.0	11.0	110	79 - 122		
INTERNAL STA	ANDARD	A	REA	RT	REF AREA	REF RT	Q	
Fluorobenzene		1:	32974	6.109	130881	6.109		
Chlorobenzene-d	15	4	81547	9.169	477558	9.166	<u> </u>	
1,2-Dichloroben:	zene-d4	10	63106	12.157	170011	12.154		

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET EPA 8260C

1D

Laboratory:	York Analytical Laboratories, Inc.	SDG:	<u>18G1276</u>		
Client:	WSP USA, Inc. (White Plains)	Project:	770510.DLXLVP.00		
Matrix:	Water Laboratory ID:	<u>18G1276-03</u>	File ID: <u>QV608285.D</u>		
Sampled:	07/25/18 14:50 Prepared:	08/06/18 08:00	Analyzed: 08/06/18 15:31		
Solids:	Preparation:	EPA 5030B	Initial/Final: <u>25 mL / 25 mL</u>		
Batch:	<u>BH80208</u> Sequence: <u>Y8H0632</u>	Calibration:	YG80021 Instrument:	<u>OVOA6</u>	
CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	1	
630-20-6	1,1,1,2-Tetrachloroethane		0.50		τı
71-55-6	1,1,1-Trichloroethane		0.50	0	JJ
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50		νJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50		JT
79-00-5	1,1,2-Trichloroethane	1	0.50		ゴ
75-34-3	1,1-Dichloroethane	1	0.50		
75-35-4	1,1-Dichloroethylene	1	0.50		15
		····			
87-61-6	1,2,3-Trichlorobenzene	1	0.50	· · · · · · · · · · · · · · · · · · ·	
96-18-4	1,2,3-Trichloropropane		0.50		江
120-82-1	1,2,4-Trichlorobenzene		0.50		JJ
95-63-6	1,2,4-Trimethylbenzene	1	0.50	<u> </u>	
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50		
106-93-4	1,2-Dibromoethane		0.50		J
95-50-1	1,2-Dichlorobenzene	1	0.50	<u> </u>	
107-06-2	1,2-Dichloroethane	1	0.50		12
78-87-5	1,2-Dichloropropane	11	0.50		JJ
108-67-8	1,3,5-Trimethylbenzene	1	0.50		江
541-73-1	1,3-Dichlorobenzene	1	0.50		ノゴ
106-46-7	1,4-Dichlorobenzene	1	0.50	U	
123-91-1	1,4-Dioxane	1	40	UR	
78-93-3	2-Butanone	1	0.50	UR	
591-78-6	2-Hexanone	1	0.50		ι <u>Γ</u>
108-10-1	4-Methyl-2-pentanone	1	0.53	–	
67-64-1	Acetone	1	13	7	
107-02-8	Acrolein	1	0.50		J
107-13-1	Acrylonitrile	1	0.50	U	
71-43-2	Benzene	1	0.31	J	
74-97-5	Bromochloromethane	1	0.50	U	
75-27-4	Bromodichloromethane	1	0.50	U	
75-25-2	Bromoform	1	0.50	U	
74-83-9	Bromomethane	1	0.50	<u> </u>	A
75-15-0	Carbon disulfide	1	0.50	U V	17
56-23-5	Carbon tetrachloride	1	0.50	U	
108-90-7	Chlorobenzene	1	0.50	U	
75-00-3	Chloroethane	1	0.50	U	15
67-66-3	Chloroform	1	0.50	U	
74-87-3	Chloromethane	1	0.50	<u> </u>	JJ
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

1D

Laboratory:	York Analytical Laboratories	s <u>, Inc.</u>		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plair	<u>15)</u>		Project:	770510.DLXLVP.00			
Matrix:	Water	Laboratory ID:	<u>18G127</u>	•	File ID:	QV608285.D		
Sampled:	07/25/18 14:50	Prepared:	<u>08/06/1</u>		Analyzed:	08/06/18 15:31		
Solids:		Preparation:	<u>EPA 50</u>	<u>30B</u>	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80208 Sequence	: <u>Y8H0632</u>		Calibration:	YG80021	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION		C. (ug/L)	Q	
124-48-1	Dibromochloromethane			1		0.50	U	-1
74-95-3	Dibromomethane			1		0.50	U U	
75-71-8	Dichlorodifluoromethane			1		0.50	U U	703
100-41-4	Ethyl Benzene			1		0.50	U U	- °
87-68-3	Hexachlorobutadiene			1		0.50	U	
98-82-8	Isopropylbenzene			1		0.50	U	TUT
79-20-9	Methyl acetate			1		.50	U	\neg
1634-04-4	Methyl tert-butyl ether (MTE	3E)		1		0.50	U U	-
108-87-2	Methylcyclohexane	<u> </u>		1		.50	U	_
75-09-2	Methylene chloride			1		2.0	U	-
104-51-8	n-Butylbenzene			1		.50	U	TUT
103-65-1	n-Propylbenzene			1		.50	U	TUT
95-47-6	o-Xylene			1		.50	U	
179601-23-1	p- & m- Xylenes			1	· · · · · · · · · · · · · · · · · · ·	1.0	U	
99-87-6	p-Isopropyltoluene			1		.50	U	7
135-98-8	sec-Butylbenzene			1	0	.50	U	TUJ
100-42-5	Styrene			1	0	.50	U	
75-65-0	tert-Butyl alcohol (TBA)			1		1.0	U	TUT
98-06-6	tert-Butylbenzene			1	0	.50	U	UJ
127-18-4	Tetrachloroethylene			1	0	.50	U	TV
108-88-3	Toluene			1	0	.25	J	
156-60-5	trans-1,2-Dichloroethylene			1	0	.50	U	
10061-02-6	trans-1,3-Dichloropropylene			1	0	.50	U	
110-57-6	trans-1,4-dichloro-2-butene			1	0	.50	υ	
79-01-6	Trichloroethylene			1	0	.50	U	
75-69-4	Trichlorofluoromethane			1	0	.50	υ	_
75-01-4	Vinyl Chloride			11	0	.50	U	UJ
1330-20-7	Xylenes, Total			1	1	1.5	U	
SYSTEM MONI	TORING COMPOUND	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ne-d4	10	.0	10.2	102	69 - 130		
Toluene-d8		10	.0	9.65	96.5	81 - 117		_
p-Bromofluorobe	enzene	10	.0	11.9	119	79 - 122		
INTERNAL STA	NDARD	AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		1304	425	6.112	130881	6.109		
Chlorobenzene-d	· · · · · · · · · · · · · · · · · · ·	486	570	9.169	477558	9.166	ļ	_
1,2-Dichlorobenz	zene-d4	1630	034	12.157	170011	12.154		

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

2A

Laboratory:	York Analytical Laborate	ories, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White F	<u>Plains)</u>		Project:	770510.DLXLVP.00			
Matrix:	Water	Laboratory ID:	<u>18G1276-04</u>		File ID:	<u>QV608286.D</u>		
Sampled:	07/24/18 10:40	Prepared:	08/06/1		Analyzed:	08/06/18 15:59		
Solids:		Preparation:			Initial/Final:			
	B1100000	-	<u>EPA 503</u>			<u>25 mL / 25 mL</u>		
Batch:	<u>BH80208</u> Seque	ence: <u>Y8H0632</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	_
CAS NO.	COMPOUND			DILUTION	CO	NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethand	e		1		0.50	<u> </u>	UJ
71-55-6	1,1,1-Trichloroethane			1		0.50	U	U.T
79-34-5	1,1,2,2-Tetrachloroethand	e		1		0.50	<u> </u>	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trif	luoroethane (Freon 113)		1		0.50	U	_VJ
79-00-5	1,1,2-Trichloroethane			1		0.50	U	_UJ
75-34-3	1,1-Dichloroethane			1		0.50	U	UJ
75-35-4	1,1-Dichloroethylene			1		0.50	U	UJ
87-61-6	1,2,3-Trichlorobenzene			1		0.50	U	103
96-18-4	1,2,3-Trichloropropane			1		0.50	U	UJ
120-82-1	1,2,4-Trichlorobenzene			1		0.50	U	UJ
95-63-6	1,2,4-Trimethylbenzene			1		0.50	υ	
96-12-8	1,2-Dibromo-3-chloropro	opane		1		0.50	U	R
106-93-4	1,2-Dibromoethane			1		0.50	U	TU
95-50-1	1,2-Dichlorobenzene			1		0.50	U	
107-06-2	1,2-Dichloroethane			1		0.50	U	VJ
78-87-5	1,2-Dichloropropane			1		0.50	U	JUJ
108-67-8	1,3,5-Trimethylbenzene			1		0.50	U	JUJ
541-73-1	1,3-Dichlorobenzene			1		0.50	U	TUT
106-46-7	1,4-Dichlorobenzene			1		0.50	U	
123-91-1	1,4-Dioxane			1		40	U	R
78-93-3	2-Butanone			1		0.50	U	R
591-78-6	2-Hexanone			1		0.50	U	JUJ
108-10-1	4-Methyl-2-pentanone			1		0.50	U	UJ
67-64-1	Acetone			1		4.6		J
107-02-8	Acrolein			1		0.50	U	TU
107-13-1	Acrylonitrile			1		0.50	U	
71-43-2	Benzene			1		0.50	U	7
74-97-5	Bromochloromethane			1		0.50	U	
75-27-4	Bromodichloromethane	· · · · · · · · · · · · · · · · · · ·		1		0.50	U	
75-25-2	Bromoform			1		0.50	U	
74-83-9	Bromomethane			1		0.50	υ	7
75-15-0	Carbon disulfide			1		0.44	J	T
56-23-5	Carbon tetrachloride			1		0.50	U	
108-90-7	Chlorobenzene			1		0.50	U	
75-00-3	Chloroethane			1		0.50	υ	UJ
67-66-3	Chloroform			1		0.50	U	7
74-87-3	Chloromethane			1		0.50	U	JUJ
156-59-2	cis-1,2-Dichloroethylene			1		0.50	υ	
10061-01-5	cis-1,3-Dichloropropylen			1		0.50	U	
110-82-7	Cyclohexane			1		0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

2A

Laboratory:	York Analytical Laboratories	., Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plain	<u>is)</u>		Project:	770510.DLXLVF	2.00		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	-	File ID:	<u>QV608286.D</u>		
Sampled:	07/24/18 10:40	Prepared:	08/06/18	<u>3 08:00</u>	Analyzed:	<u>08/06/18 15:59</u>		
Solids:		Preparation:	<u>EPA 503</u>	80B	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80208 Sequence	-		Calibration:	<u>YG80021</u>	Instrument:	QVOA6	
CAS NO.				DILUTION	<u> </u>	C. (ug/L)	Q	٦
124-48-1	Dibromochloromethane			1		.50	U	-
74-95-3	Dibromomethane			1		.50	U	-
75-71-8	Dichlorodifluoromethane			1		.50	U	UJ
100-41-4	Ethyl Benzene			1		.50	U	-1^{-2}
87-68-3	Hexachlorobutadiene	· · · ···		1		.50	U	-1
98-82-8	Isopropylbenzene			1		.50	U U	TUT
79-20-9	Methyl acetate	····	-	1	· · · · · · · · · · · · · · · · · · ·	.50	U	
1634-04-4	Methyl tert-butyl ether (MTE			1		.50	U U	-
1034-04-4	Methylcyclohexane			1		.50	U	-
75-09-2	Methylene chloride			1		2.0	U	-
104-51-8				1		.50	U U	
	n-Butylbenzene		-	1		.50	U U	UJ
103-65-1	n-Propylbenzene	·····		1		.50	U U	-1-3
95-47-6	o-Xylene					.0	<u>บ</u>	-
179601-23-1	p- & m- Xylenes			1		.50	U U	-
99-87-6	p-Isopropyltoluene			1	· · · · · · · · · · · · · · · · · · ·		U U	TUT
135-98-8	sec-Butylbenzene			1		.50	U U	-1°
100-42-5	Styrene			1		.50	U U	TUT
75-65-0	tert-Butyl alcohol (TBA)			1		.0	U U	TUT
98-06-6	tert-Butylbenzene			1		.50	U U	
127-18-4	Tetrachloroethylene			1		.50	U U	-1°
108-88-3	Toluene			1		.50		\dashv
156-60-5	trans-1,2-Dichloroethylene			1		.50	<u> </u>	
10061-02-6	trans-1,3-Dichloropropylene			1		.50	<u> </u>	
110-57-6	trans-1,4-dichloro-2-butene	<u></u>		1		.50	<u> </u>	-
79-01-6	Trichloroethylene	<u>.</u>		1		.50	<u> </u>	-
75-69-4	Trichlorofluoromethane			1		.50	U 	TUT
75-01-4	Vinyl Chloride			1		.50	<u> </u>	-103
1330-20-7	Xylenes, Total			1		1.5	<u> </u>	
SYSTEM MONI	TORING COMPOUND	ADDEI) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroethane-d4		10).0	10.1	101	69 - 130	<u> </u>	_
Toluene-d8 10.0			9.53	95.3	81 - 117		_	
p-Bromofluorobe	p-Bromofluorobenzene 10.0).0	11.3	113	79 - 122		
INTERNAL STA	NDARD	AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		129	659	6.111	130881	6.109		_
Chlorobenzene-d	15	486	665	9.169	477558	9.166	ļ	_
1,2-Dichloroben	zene-d4	162	540	12.16	170011	12.154	L	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

2C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00			
Matrix:	Water Labo	ratory ID:	<u>18G127</u>	6-05	File ID:	QV608287.D		
Sampled:	07/24/18 11:00 Prep	ared:	08/06/18		Analyzed:	08/06/18 16:28		
Solids:	-	aration:	EPA 503		Initial/Final:			
	-		<u>EFA 303</u>			<u>25 mL / 25 mL</u>		
Batch:	BH80208 Sequence:	<u>Y8H0632</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>OVOA6</u>	
CAS NO.	COMPOUND		·	DILUTION	00	NC. (ug/L)	Q	_
630-20-6	1,1,1,2-Tetrachloroethane			1		0.50	U	UJ
71-55-6	1,1,1-Trichloroethane			1		0.93		
79-34-5	1,1,2,2-Tetrachloroethane		<u>.</u>	1		0.50	<u> </u>	_UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha	ne (Freon 113)		11		0.50	U	UJ
79-00-5	1,1,2-Trichloroethane			1		0.50	U	UJ
75-34-3	1,1-Dichloroethane			1		1.5		
75-35-4	1,1-Dichloroethylene			1		1.1		
87-61-6	1,2,3-Trichlorobenzene			1		0.50	U	TU
96-18-4	1,2,3-Trichloropropane			1		0.50	U	TU
120-82-1	1,2,4-Trichlorobenzene			1		0.50	<u> </u>	
95-63-6	1,2,4-Trimethylbenzene			1		0.50	<u> </u>	_
96-12-8	1,2-Dibromo-3-chloropropane			11		0.50	U	R
106-93-4	1,2-Dibromoethane			1		0.50	<u> </u>	UJ
95-50-1	1,2-Dichlorobenzene			11		0.50	U	
107-06-2	1,2-Dichloroethane			1		0.50	U	UJ
78-87-5	1,2-Dichloropropane			1		0.50	U	UJ
108-67-8	1,3,5-Trimethylbenzene			1		0.50	U	LUT
541-73-1	1,3-Dichlorobenzene			1		0.50	U	して
106-46-7	1,4-Dichlorobenzene			1		0.50	U	
123-91-1	1,4-Dioxane			1		40	U	R
78-93-3	2-Butanone			1		0.50	U	R
591-78-6	2-Hexanone			1		0.50	U	05
108-10-1	4-Methyl-2-pentanone			1		0.50	U	UJ
67-64-1	Acetone			11		2.0	U	LU
107-02-8	Acrolein			1		0.50	U	TU
107-13-1	Acrylonitrile			1		0.50	U	
71-43-2	Benzene			1		0.50	U	_
74-97-5	Bromochloromethane			1		0.50	<u> </u>	
75-27-4	Bromodichloromethane			1	_	0.50	U	_
75-25-2	Bromoform			1		0.50	<u> </u>	
74-83-9	Bromomethane			1		0.50	U	
75-15-0	Carbon disulfide			1		0.50	U	LUT
56-23-5	Carbon tetrachloride			1		0.50	U	_
108-90-7	Chlorobenzene			1		0.50	U	_
75-00-3	Chloroethane			1		0.50	U	UJ
67-66-3	Chloroform			1		0.50	<u> </u>	_
74-87-3	Chloromethane			1		0.50	U	L U I
156-59-2	cis-1,2-Dichloroethylene			1		0.50	U	_
10061-01-5	cis-1,3-Dichloropropylene			1	ļ	0.50	U	_
110-82-7	Cyclohexane			1	<u> </u>	0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

2C

Laboratory:	York Analytical Laboratories	s, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plain	s)		Project:	770510.DLXLV	P.00		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	-	File ID:	QV608287.D		
Sampled:	07/24/18 11:00	Prepared:	08/06/1	<u>8 08:00</u>	Analyzed:	08/06/18 16:28		
Solids:		Preparation:	EPA 50	30B	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80208 Sequence	<u>Y8H0632</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION	1	C. (ug/L)	Q	7
124-48-1	Dibromochloromethane		<u></u>	1		0.50	U	
74-95-3	Dibromomethane	, <u> </u>		1		0.50	U U	-1
75-71-8	Dichlorodifluoromethane	·······		1		0.50	U	TUT
100-41-4	Ethyl Benzene			1		0.50	U U	\neg
87-68-3	Hexachlorobutadiene			1	1	0.50	U	-1
98-82-8	Isopropylbenzene			1	· · · · · · · · · · · · · · · · · · ·	0.50	U	TUT
79-20-9	Methyl acetate			1		0.50	U	\neg
1634-04-4	Methyl tert-butyl ether (MTE	E)		1		0.50	U	-
108-87-2	Methylcyclohexane			1		0.50	<u>U</u>	-1
75-09-2	Methylene chloride			1	1	2.0	U	
104-51-8	n-Butylbenzene			1	<u> </u>	.50	U	TUT
103-65-1	n-Propylbenzene			1		.50	 U	TUJ
95-47-6	o-Xylene			1		.50	U	7
179601-23-1	p- & m- Xylenes			1		1.0	U	7
99-87-6	p-Isopropyltoluene			1		.50	υ	
135-98-8	sec-Butylbenzene			1	0	.50	U	JUJ
100-42-5	Styrene			1	0	.50	U	
75-65-0	tert-Butyl alcohol (TBA)			1		1.0	U	TU
98-06-6	tert-Butylbenzene			1	0	.50	υ	LU
127-18-4	Tetrachloroethylene		_	1	0	.50	U	JUJ
108-88-3	Toluene			1	0	.50	U	
156-60-5	trans-1,2-Dichloroethylene			1	0	.50	U	
10061-02-6	trans-1,3-Dichloropropylene			1	0	.50	U	
110-57-6	trans-1,4-dichloro-2-butene			1	0	.50	U	
79-01-6	Trichloroethylene			1	0	.50	U	_
75-69-4	Trichlorofluoromethane			1	0	.50	U	
75-01-4	Vinyl Chloride			1	0	.50	<u> </u>	UJ
1330-20-7	Xylenes, Total			11	1	1.5	U	
SYSTEM MONI	TORING COMPOUND	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ne-d4	10	.0	10.1	101	69 - 130		_
Toluene-d8		10	.0	9.35	93.5	81 - 117		_
p-Bromofluorobo	enzene	10	.0	11.0	110	79 - 122		
INTERNAL STA	NDARD	AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		131	168	6.109	130881	6.109		_
Chlorobenzene-d	15	510		9.169	477558	9.166		
1,2-Dichlorobenz	zene-d4	166	793	12.16	170011	12.154	<u> </u>	

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

3A

Laboratory:	York Analytical Laboratories, Inc.	SDG:	<u>18G1276</u>		
Client:	WSP USA, Inc. (White Plains)	Project:	770510.DLXLVP.00		
Matrix:	Water Laboratory ID:	18G1276-06	File ID: QV608288.D		
Sampled:	<u>07/24/18 12:00</u> Prepared:	08/06/18 08:00	Analyzed: 08/06/18 16:56		
Solids:	Preparation:	EPA 5030B	Initial/Final: <u>25 mL / 25 mL</u>		
Batch:				01/04/	
·····	<u>BH80208</u> Sequence: <u>Y8H0632</u>	Calibration:	YG80021 Instrument:	<u>OVOA6</u>	
CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50		J
71-55-6	1,1,1-Trichloroethane	<u>1</u>	0.50		J
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50		J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.50		J
79-00-5	1,1,2-Trichloroethane	1	0.50		JJ
75-34-3	1,1-Dichloroethane	1	0.50	<u>ບ</u> ບ	T
75-35-4	1,1-Dichloroethylene	1	0.50		J
87-61-6	1,2,3-Trichlorobenzene	1	0.50	<u> </u>	T
96-18-4	1,2,3-Trichloropropane	1	0.50	<u> </u>	J
120-82-1	1,2,4-Trichlorobenzene	1	0.50	ປ.	J
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U	
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	UR	
106-93-4	1,2-Dibromoethane	1	0.50	υυ	J
95-50-1	1,2-Dichlorobenzene	1	0.50	U	- ` .
107-06-2	1,2-Dichloroethane	1	0.50	υυ	J
78-87-5	1,2-Dichloropropane	1	0.50	υυ	J
108-67-8	1,3,5-Trimethylbenzene	1	0.50		J
541-73-1	1,3-Dichlorobenzene	1	0.50		J
106-46-7	1,4-Dichlorobenzene	1	0.50	U	
123-91-1	1,4-Dioxane		40	UR	
78-93-3	2-Butanone	1	0.50	UR	
591-78-6	2-Hexanone	1	0.50		T
		1	0.50		J
108-10-1	4-Methyl-2-pentanone	I	2.0		5
67-64-1	Acetone				Ĩ
107-02-8	Acrolein		0.50		9
107-13-1	Acrylonitrile		0.50		
71-43-2	Benzene		0.50	<u> </u>	
74-97-5	Bromochloromethane	<u> </u>	0.50	<u> </u>	
75-27-4	Bromodichloromethane	<u> </u>	0.50	U	
75-25-2	Bromoform	1	0.50	U	
74-83-9	Bromomethane	1	0.50	U	
75-15-0	Carbon disulfide	1	0.50		J
56-23-5	Carbon tetrachloride	1	0.50	<u> </u>	
108-90-7	Chlorobenzene	1	0.50	U	
75-00-3	Chloroethane	1	0.50		5
67-66-3	Chloroform	1	0.50	U	
74-87-3	Chloromethane	1	0.50		17
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

3A

Laboratory:	York Analytical Laboratori	es, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Pla	uins)		Project:	770510.DLXLV	<u>P.00</u>		
Matrix:	Water	Laboratory ID	: <u>18G1</u> 2	<u>276-06</u>	File ID:	<u>QV608288.D</u>		
Sampled:	07/24/18 12:00	Prepared:	08/06/	18 08:00	Analyzed:	08/06/18 16:56		
Solids:		Preparation:	EPA 5	<u>030B</u>	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80208 Sequend	ce: Y8H	<u>0632</u>	Calibration:	<u>YG80021</u>	Instrument:	<u>OVOA6</u>	
CAS NO.	COMPOUND			DILUTION		C. (ug/L)		
124-48-1	Dibromochloromethane			1).50	U	-1
74-95-3	Dibromomethane			1).50	U	-1
75-71-8	Dichlorodifluoromethane			1		0.50	U	TUT
100-41-4	Ethyl Benzene			1		0.50	U	7
87-68-3	Hexachlorobutadiene			1	1	0.50	U	-
98-82-8	Isopropylbenzene			1		0.50	U	TUT
79-20-9	Methyl acetate			1		0.50	U	1
1634-04-4	Methyl tert-butyl ether (M	ГВЕ)		1		0.50	U	-1
108-87-2	Methylcyclohexane			1	1	0.50	U	-
75-09-2	Methylene chloride			1		2.0	U	7
104-51-8	n-Butylbenzene			- 1	0	0.50	U	TUJ
103-65-1	n-Propylbenzene			1	0	0.50	U	TUT
95-47-6	o-Xylene			1	0	0.50	υ	7
179601-23-1	p- & m- Xylenes	1.1		1		1.0	U	7
99-87-6	p-Isopropyltoluene			1	C	.50	U	
135-98-8	sec-Butylbenzene			1	C	.50	U	TUT
100-42-5	Styrene			1	0	.50	U	
75-65-0	tert-Butyl alcohol (TBA)			1		1.0	U	UJ
98-06-6	tert-Butylbenzene			1	C	.50	U	TUT
127-18-4	Tetrachloroethylene			1	C	.22	J	J
108-88-3	Toluene			1	0	.50	U	
156-60-5	trans-1,2-Dichloroethylene			1	0	.50	υ	
10061-02-6	trans-1,3-Dichloropropylen	e		1	0	.50	U	
110-57-6	trans-1,4-dichloro-2-butene			1	0	.50	U	
79-01-6	Trichloroethylene			11	0	.50	U	_
75-69-4	Trichlorofluoromethane			1	0	.50	<u> </u>	
75-01-4	Vinyl Chloride			1	C	.50	U	UJ
1330-20-7	Xylenes, Total			1		1.5	U	
SYSTEM MONI	ITORING COMPOUND	AI	DDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ne-d4		10.0	10.3	103	69 - 130	<u> </u>	
Toluene-d8			10.0	9.08	90.8	81 - 117	ļ	_
p-Bromofluorobe	enzene		10.0	10.8	108	79 - 122		
INTERNAL STA	ANDARD		AREA	RT	REF AREA	REF RT	Q	
Fluorobenzene			122428	6.114	130881	6.109		
Chlorobenzene-d			492785	9.169	477558	9.166		_
1,2-Dichlorobenz	zene-d4		174215	12.16	170011	12.154		

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

3C

Laboratory:	York Analytical Laboratories, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXL	VP.00		
Matrix:	Water Laboratory ID:	<u>18G127</u>	6-07	File ID:	 QV608289.D		
Sampled:	<u>07/24/18 12:40</u> Prepared:	08/06/1		Analyzed:	08/06/18 17:25		
Solids:	Preparation:			Initial/Final:			
		<u>EPA 50</u>			<u>25 mL / 25 mL</u>		
Batch:	<u>BH80208</u> Sequence: <u>Y8H00</u>	<u>32</u>	Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND		DILUTION	CO	NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane		1		0.50	U	UJ
71-55-6	1,1,1-Trichloroethane		1		1.2		
79-34-5	1,1,2,2-Tetrachloroethane		1		0.50	U	UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	13)	1		0.50	<u> </u>	UJ
79-00-5	1,1,2-Trichloroethane		1		0.50	U	_UJ
75-34-3	1,1-Dichloroethane		1		1.5		4_
75-35-4	1,1-Dichloroethylene		1		0.98		
87-61-6	1,2,3-Trichlorobenzene		1		0.50	U	UJ
96-18-4	1,2,3-Trichloropropane		1		0.50	U	UJ
120-82-1	1,2,4-Trichlorobenzene		1		0.50	U	UJ
95-63-6	1,2,4-Trimethylbenzene		1		0.50	U	
96-12-8	1,2-Dibromo-3-chloropropane		1		0.50	U	R
106-93-4	1,2-Dibromoethane		1		0.50	υ	TU
95-50-1	1,2-Dichlorobenzene		1		0.50	U	
107-06-2	1,2-Dichloroethane		1		0.50	U	TUT
78-87-5	1,2-Dichloropropane		1		0.50	U	TUT
108-67-8	1,3,5-Trimethylbenzene		1		0.50	υ	TUT
541-73-1	1,3-Dichlorobenzene		1		0.50	U	UJ
106-46-7	1,4-Dichlorobenzene		1		0.50	U	1
123-91-1	1,4-Dioxane		1		40	U	R
78-93-3	2-Butanone		1		0.50	U	R
591-78-6	2-Hexanone		1		0.50	U	TUJ
108-10-1	4-Methyl-2-pentanone		1		0.50	U	UJ
67-64-1	Acetone		1		2.0	U	UI
107-02-8	Acrolein	-	1		0.50	U	UJ
107-13-1	Acrylonitrile		1		0.50	U	
71-43-2	Benzene	<u> </u>	1		0.50	U	-
74-97-5	Bromochloromethane		1		0.50	U	-
75-27-4	Bromodichloromethane		1		0.50	U	-
75-25-2	Bromoform		1		0.50	U U	1
74-83-9	Bromomethane		1		0.50	U	-
75-15-0	Carbon disulfide		1		0.50	υ	UJ
56-23-5	Carbon tetrachloride		1		0.50	U	-1
108-90-7	Chlorobenzene		1		0.50	U	
75-00-3	Chloroethane		1		0.50	<u> </u>	
67-66-3	Chloroform		1	1	0.50	U	
74-87-3	Chloromethane		1	1	0.50	U	TUT
156-59-2	cis-1,2-Dichloroethylene		1	1	0.50	U	\neg
10061-01-5	cis-1,3-Dichloropropylene		1	1	0.50	U U	1
110-82-7	Cyclohexane		1		0.50	<u> </u>	-1
110-02-7			L		0.50	J	

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ORGANIC ANALYSIS DATA SHEET EPA 8260C

3C

Laboratory:	York Analytical Laboratoric	es, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plai	ns)		Project:	770510.DLXLV	P 00		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	•	File ID:	OV608289.D		
Sampled:	07/24/18 12:40	Prepared:	08/06/1		Analyzed:	08/06/18 17:25		
Solids:		Preparation:	EPA 50		Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80208 Sequence	•		Calibration:	YG80021	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND	<u>10110052</u>		DILUTION			<u> </u>	- 1
124-48-1	Dibromochloromethane					C. (ug/L)	Q	
74-95-3	Dibromomethane			1		0.50	U	
				1		0.50	U	
75-71-8	Dichlorodifluoromethane			1		0.50	<u> </u>	-V2
100-41-4	Ethyl Benzene			1		0.50	<u> </u>	4
87-68-3	Hexachlorobutadiene			11		0.50	U	_
98-82-8	Isopropylbenzene			1		0.50	<u> </u>	TU
79-20-9	Methyl acetate			1).50	U	_
1634-04-4	Methyl tert-butyl ether (MT	BE)		1	0	0.50	<u> </u>	_
108-87-2	Methylcyclohexane			1	0	0.50	<u> </u>	_
75-09-2	Methylene chloride			1		2.0	U	
104-51-8	n-Butylbenzene			1	0	.50	U	_UJ
103-65-1	n-Propylbenzene			11	0	.50	U	UJ
95-47-6	o-Xylene			1	0	.50	U	
179601-23-1	p- & m- Xylenes			11		1.0	U	
99-87-6	p-Isopropyltoluene			1	0	.50	υ	
135-98-8	sec-Butylbenzene			1	0	.50	U	UJ
100-42-5	Styrene			1	0	.50	U	
75-65-0	tert-Butyl alcohol (TBA)			1		1.0	U	UJ
98-06-6	tert-Butylbenzene			1	0	.50	U	UJ
127-18-4	Tetrachloroethylene			1	0	.50	U	TUT
108-88-3	Toluene			1	0	.50	U	7
156-60-5	trans-1,2-Dichloroethylene			1	0	.50	U	7
10061-02-6	trans-1,3-Dichloropropylene	;		1	0	.50	U	
110-57-6	trans-1,4-dichloro-2-butene			1	0	.50	U	
79-01-6	Trichloroethylene			1	0	.50	U	
75-69-4	Trichlorofluoromethane			1	0	.50	U	
75-01-4	Vinyl Chloride			1	1	.50	U	TUJ
1330-20-7	Xylenes, Total			1	1	1.5	U	
SYSTEM MONI	TORING COMPOUND	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ne-d4	10	.0	10.3	103	69 - 130	<u> </u>	1
Toluene-d8	···· ·····	10		9.50	95.0	81 - 117		
p-Bromofluorobe	enzene	10		11.2	112	79 - 122		
INTERNAL STA	NDARD	AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		128	142	6.114	130881	6.109		
Chlorobenzene-d	5	492:	283	9.169	477558	9.166		
1,2-Dichlorobenz	zene-d4	1620	562	12.157	170011	12.154		

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

4A

Laboratory:	York Analytical Laboratories,	Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains	D.		Project:	<u>770510.DLXL</u>	<u>VP.00</u>		
Matrix:	<u>Water</u> I	aboratory ID:	<u>18G127</u>	<u>6-08</u>	File ID:	<u>QV608290.D</u>		
Sampled:	<u>07/24/18 13:45</u> P	repared:	08/06/18	3 08:00	Analyzed:	08/06/18 17:54		
Solids:		Preparation:	EPA 503		Initial/Final:	<u>25 mL / 25 mL</u>		
		-					0110 1 /	
Batch:	BH80208 Sequence:	<u>Y8H0632</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	-1
CAS NO.	COMPOUND			DILUTION	CO	NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane			1	_	0.50	U	
71-55-6	1,1,1-Trichloroethane			1		0.83		15
79-34-5	1,1,2,2-Tetrachloroethane			1		0.50	U	_UJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoro	ethane (Freon 113))	1		0.50	U	_VJ
79-00-5	1,1,2-Trichloroethane			1	<u> </u>	0.50	<u> </u>	UJ
75-34-3	1,1-Dichloroethane			1		0.33	J	_ <u>_</u>
75-35-4	1,1-Dichloroethylene			1		0.50	<u> </u>	JUJ
87-61-6	1,2,3-Trichlorobenzene			1		0.50	U	
96-18-4	1,2,3-Trichloropropane			1		0.50	U	LUJ
120-82-1	1,2,4-Trichlorobenzene			1		0.50	U	_UJ
95-63-6	1,2,4-Trimethylbenzene			1	_	0.50	UU	
96-12-8	1,2-Dibromo-3-chloropropane			1		0.50	U	R
106-93-4	1,2-Dibromoethane			1		0.50	<u> </u>	UJ
95-50-1	1,2-Dichlorobenzene			1		0.50	U	
107-06-2	1,2-Dichloroethane			1		0.50	U	_U'J
78-87-5	1,2-Dichloropropane			1		0.50	U	JUJ
108-67-8	1,3,5-Trimethylbenzene			1		0.50	U	τυ
541-73-1	1,3-Dichlorobenzene			1		0.50	U	ב:ט
106-46-7	1,4-Dichlorobenzene			1		0.50	υ	
123-91-1	1,4-Dioxane			1		40	U	_ P
78-93-3	2-Butanone			1		0.50	U	R
591-78-6	2-Hexanone			1		0.50	U	τυΓ
108-10-1	4-Methyl-2-pentanone			1	-	0.50	U	ΖŪ
67-64-1	Acetone			1		2.0	U	τυ T
107-02-8	Acrolein	· · · ·		1		0.50	U	TUT
107-13-1	Acrylonitrile					0.50	U	-1
71-43-2	Benzene			1		0.50	υ	
74-97-5	Bromochloromethane			1		0.50	υ	_
75-27-4	Bromodichloromethane	<u> </u>		1		0.50	U	
75-25-2	Bromoform			··		0.50	U	7
74-83-9	Bromomethane			 1		0.50	U	-
75-15-0	Carbon disulfide		<u></u>	1		0.50	υ	-1
56-23-5	Carbon tetrachloride		<u> </u>	1	1	0.50	U	1
108-90-7	Chlorobenzene	<u></u>		1		0.50	U	-1
75-00-3	Chloroethane	· · · · · · · · · · · · · · · · · · ·		1		0.50	U	7บว
67-66-3	Chloroform			 1		0.50	U	
74-87-3	Chloromethane			1		0.50	U	UJ
156-59-2	cis-1,2-Dichloroethylene			1		3.2	<u> </u>	ĴĴ
	cis-1,3-Dichloropropylene			1	+	0.50	U	[-
10061-01-5 110-82-7	Cyclohexane			1		0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

4A

Laboratory:	York Analytical Labo	ratories, Inc.			SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (Whi	te Plains)			Project:	770510.DLXLV	<u>P.00</u>		
Matrix:	Water	Labora	atory ID:	<u>18G127</u>	<u>6-08</u>	File ID:	<u>QV608290.D</u>		
Sampled:	<u>07/24/18 13:45</u>	Prepar	ed:	<u>08/06/18</u>	<u>8 08:00</u>	Analyzed:	08/06/18 17:54		
Solids:		Prepar	ation:	<u>EPA 503</u>	<u>30B</u>	Initial/Final:	<u>25 mL/25 mL</u>		
Batch:	<u>BH80208</u> Se	quence:	<u>Y8H0632</u>		Calibration:	<u>YG80021</u>	Instrument:	QVOA6	
CAS NO.	COMPOUND		······································		DILUTION	CON	C. (ug/L)	Q	
124-48-1	Dibromochlorometha	ne			1).50	U	
74-95-3	Dibromomethane				1).50	U	
75-71-8	Dichlorodifluorometh	ane			1).50	U	-UJ
100-41-4	Ethyl Benzene				1).50	U	-
87-68-3	Hexachlorobutadiene				1).50	U	7
98-82-8	Isopropylbenzene				1).50	U	JUJ
79-20-9	Methyl acetate				1	1).50	U	
1634-04-4	Methyl tert-butyl ethe	r (MTBE)			1	0).50	U	
108-87-2	Methylcyclohexane				1	· · · · · · · · · · · · · · · · · · ·).50	U	
75-09-2	Methylene chloride				1		2.0	U	-
104-51-8	n-Butylbenzene				1).50	U	TUT
103-65-1	n-Propylbenzene				1		0.50	U	JUJ
95-47-6	o-Xylene				1		0.50	U	
179601-23-1	p- & m- Xylenes				1		1.0	U	7
99-87-6	p-Isopropyltoluene				1	1	0.50	υ	7
135-98-8	sec-Butylbenzene				1	1	0.50	υ	TUT
100-42-5	Styrene				1		0.50	υ	
75-65-0	tert-Butyl alcohol (TE	A)			1		1.0	U	TUJ
98-06-6	tert-Butylbenzene				1	C	0.50	U	TU
127-18-4	Tetrachloroethylene				1		13		T
108-88-3	Toluene				1	C	0.50	U	
156-60-5	trans-1,2-Dichloroethy	ylene			1	0	0.50	U	
10061-02-6	trans-1,3-Dichloropro				1	C	0.50	U	
110-57-6	trans-1,4-dichloro-2-b	utene			1	C	0.50	U	
79-01-6	Trichloroethylene				1		2.5		<u> </u>
75-69-4	Trichlorofluorometha	ne			1	0	.50	U	
75-01-4	Vinyl Chloride				1	0	.50	U	JUJ
1330-20-7	Xylenes, Total				1		1.5	U	
SYSTEM MONI	TORING COMPOUNI)	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	7
1,2-Dichloroetha	ne-d4		10	.0	10.6	106	69 - 130		
Toluene-d8			10		9.22	92.2	81 - 117		
p-Bromofluorobe	enzene		10	.0	10.9	109	79 - 122		
INTERNAL STA	NDARD		AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene			1294	402	6.109	130881	6.109		
Chlorobenzene-d	15		513	924	9.169	477558	9.166		
1,2-Dichlorobenz	zene-d4		171	388	12.157	170011	12.154		

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

4C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains)	Project:	770510.DLXL	<u>VP.00</u>		
Matrix:	Water Laboratory ID:	<u>18G1276-09</u>	File ID:	QV608305.D		
Sampled:	<u>07/24/18 14:45</u> Prepared:	08/06/18 14:00	Analyzed:	08/07/18 01:00		
Solids:	Preparation:		Initial/Final:			
		EPA 5030B		<u>25 mL / 25 mL</u>		
Batch:	<u>BH80266</u> Sequence: <u>Y8H0724</u>	Calibration:	<u>YG80021</u>	Instrument:	QVOA6	
CAS NO.	COMPOUND	DILUTION	00	NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1		0.50	<u> </u>	
71-55-6	1,1,1-Trichloroethane	1		1.2		
79-34-5	1,1,2,2-Tetrachloroethane	1		0.50	U	LU
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1		0.50	U	_UJ
79-00-5	1,1,2-Trichloroethane	1		0.50	U	_UJ
75-34-3	1,1-Dichloroethane	1		1.5		
75-35-4	1,1-Dichloroethylene	1		1.1	 	17
87-61-6	1,2,3-Trichlorobenzene	1		0.50	<u> </u>	
96-18-4	1,2,3-Trichloropropane	1		0.50	U	JUJ
120-82-1	1,2,4-Trichlorobenzene	1		0.50	U	בט_
95-63-6	1,2,4-Trimethylbenzene	1		0.50	U	
96-12-8	1,2-Dibromo-3-chloropropane	1		0.50	υ	R
106-93-4	1,2-Dibromoethane	1		0.50	U	_UJ
95-50-1	1,2-Dichlorobenzene	1		0.50	U	
107-06-2	1,2-Dichloroethane	1		0.50	U	_V3
78-87-5	1,2-Dichloropropane	1		0.50	U	בט_
108-67-8	1,3,5-Trimethylbenzene	1		0.50	υ	
541-73-1	1,3-Dichlorobenzene	1		0.50	U	EVI
106-46-7	1,4-Dichlorobenzene	1		0.50	U	
123-91-1	1,4-Dioxane	1		40	U	R
78-93-3	2-Butanone	1		0.50	U	R
591-78-6	2-Hexanone	1		0.50	υ	
108-10-1	4-Methyl-2-pentanone	1		0.50	υ	TUT
67-64-1	Acetone	1		2.0	U	
107-02-8	Acrolein	1		0.50	υ	τυτ
107-13-1	Acrylonitrile	1		0.50	U	
71-43-2	Benzene	1		0.50	U	
74-97-5	Bromochloromethane	1		0.50	U	
75-27-4	Bromodichloromethane			0.50	U	
75-25-2	Bromoform	1		0.50	U	- U .
74-83-9	Bromomethane	1		0.50	U	<u>]</u> u=
75-15-0	Carbon disulfide	1		0.50	U	\neg
56-23-5	Carbon tetrachloride	1		0.50	U	
108-90-7	Chlorobenzene			0.50	U	
75-00-3	Chloroethane			0.50	U	
67-66-3	Chloroform	1		0.50	U U	-
74-87-3	Chloromethane			0.50	U	$\neg \upsilon$
156-59-2	cis-1,2-Dichloroethylene	1		0.50	U	\neg
10061-01-5	cis-1,3-Dichloropropylene	i		0.50	U U	
110-82-7	Cyclohexane			0.50	U	-

ORGANIC ANALYSIS DATA SHEET EPA 8260C

4C

Laboratory:	York Analytical Laboratories	<u>, Inc.</u>		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plain	<u>s)</u>		Project:	770510.DLXLV	P.00		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	<u>/6-09</u>	File ID:	 QV608305.D		
Sampled:	07/24/18 14:45	Prepared:	08/06/1	8 14:00	Analyzed:	08/07/18 01:00		
Solids:	1	Preparation:	EPA 50	30B	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80266 Sequence:	-		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION	T	C. (ug/L)	Q	7
124-48-1	Dibromochloromethane			1	1).50	U V	_
74-95-3	Dibromomethane			1		0.50	U U	
75-71-8	Dichlorodifluoromethane			1).50	U U	103
100-41-4	Ethyl Benzene			1).50	U U	-1^{\vee}
87-68-3	Hexachlorobutadiene			1	1).50	U U	
98-82-8	Isopropylbenzene			1		0.50	U U	-
79-20-9	Methyl acetate			1).50	U U	
1634-04-4	Methyl tert-butyl ether (MTB	E)		1		0.50	U U	-
1034-04-4	Methylcyclohexane	<u> </u>		1	1	.50	<u> </u>	-
75-09-2	Methylene chloride			1				TUT
104-51-8	n-Butylbenzene			1		2.0	U	_
103-65-1	n-Propylbenzene			1			U U	UT
95-47-6				1		.50	·	
	o-Xylene				· · _ · · · · · · · · · · · · · · · · ·	.50	U	-
179601-23-1	p- & m- Xylenes			1	1	1.0		
99-87-6	p-Isopropyltoluene	_		1		.50	U	-
135-98-8	sec-Butylbenzene			1		.50	<u> </u>	
100-42-5	Styrene			1	1	.50	U 	
75-65-0	tert-Butyl alcohol (TBA)	· · · · · · · · ·		1		1.0	<u> </u>	
98-06-6	tert-Butylbenzene			<u> </u>		.50	<u> </u>	TUT
127-18-4	Tetrachloroethylene			<u> </u>		.50	<u> </u>	
108-88-3	Toluene			1		.50	<u> </u>	
156-60-5	trans-1,2-Dichloroethylene			1	1	.50	<u>U</u>	-
10061-02-6	trans-1,3-Dichloropropylene			1		.50	<u>U</u>	-
110-57-6	trans-1,4-dichloro-2-butene			1		.50	<u> </u>	-
79-01-6	Trichloroethylene					.50	<u> </u>	-
75-69-4	Trichlorofluoromethane			1	i	.50	<u> </u>	UJ
75-01-4	Vinyl Chloride			!		.50	<u> </u>	-1
1330-20-7	Xylenes, Total			I		1.5	UU	<u> </u>
SYSTEM MONI	TORING COMPOUND	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ne-d4	10	0.0	10.8	108	69 - 130		_
Toluene-d8			0.0	9.20	92.0	81 - 117		_
p-Bromofluorobe	enzene	10	0.0	10.7	107	79 - 122	l	
INTERNAL STA	NDARD	AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		115	855	6.114	125380	6.114		
Chlorobenzene-d	5	468	230	9.172	483296	9.172		
1,2-Dichlorobenz	zene-d4	162	061	12.157	186086	12.154]

ORGANIC ANALYSIS DATA SHEET EPA 8260C

5A

Laboratory:	York Analytical Labor	atories, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White	e Plains)		Project:	770510.DLXL	VP.00		
Matrix:	Water	Laboratory ID:	<u>18G1276</u>	i-10	File ID:	QV608291.D		
Sampled:	<u>07/24/18 15:30</u>	Prepared:	08/06/18		Analyzed:	08/06/18 18:22		
Solids:		-			•			
		Preparation:	<u>EPA 503</u>		Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	<u>BH80208</u> Seq	uence: <u>Y8H0632</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION	CO	NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroetha	ane		1		0.50	U	UT
71-55-6	1,1,1-Trichloroethane			1		0.51		1
79-34-5	1,1,2,2-Tetrachloroetha	ane		1		0.50	U	TU
76-13-1	1,1,2-Trichloro-1,2,2-tr	rifluoroethane (Freon 113)		1		0.50	U	_UJ
79-00-5	1,1,2-Trichloroethane			1		0.50	U	LU
75-34-3	1,1-Dichloroethane			1		0.56		_p_
75-35-4	1,1-Dichloroethylene			1		0.50	U	TU
87-61-6	1,2,3-Trichlorobenzene			1		0.50	U	UT
96-18-4	1,2,3-Trichloropropane	;		1		0.50	U	JUJ
120-82-1	1,2,4-Trichlorobenzene			1		0.50	υ	UT
95-63-6	1,2,4-Trimethylbenzen	e		1		0.50	U	
96-12-8	1,2-Dibromo-3-chlorop	propane		1		0.50	υ	R
106-93-4	1,2-Dibromoethane			1		0.50	U	JJ
95-50-1	1,2-Dichlorobenzene			1		0.50	U	
107-06-2	1,2-Dichloroethane			1		0.50	υ	UJ
78-87-5	1,2-Dichloropropane			1		0.50	U	UJ
108-67-8	1,3,5-Trimethylbenzen	e		1		0.50	U	UJ
541-73-1	1,3-Dichlorobenzene			1		0.50	U	TUJ
106-46-7	1,4-Dichlorobenzene			1		0.50	U	
123-91-1	1,4-Dioxane			1		40	U	R
78-93-3	2-Butanone			1		0.50	U	R
591-78-6	2-Hexanone			1		0.50	U	UJ
108-10-1	4-Methyl-2-pentanone			1		0.50	U	τυ
67-64-1	Acetone			1		3.2		T
107-02-8	Acrolein		-	1		0.50	U	TU
107-13-1	Acrylonitrile			1		0.50	U	
71-43-2	Benzene			1		0.50	υ	
74-97-5	Bromochloromethane			1		0.50	υ	
75-27-4	Bromodichloromethand	e		1		0.50	U	
75-25-2	Bromoform			1		0.50	U	
74-83-9	Bromomethane			1		0.50	U	
75-15-0	Carbon disulfide			1		0.50	U	UJ
56-23-5	Carbon tetrachloride			1		0.50	U	
108-90-7	Chlorobenzene			1		0.50	U	
75-00-3	Chloroethane			1		0.50	U	UJ
67-66-3	Chloroform			1		0.50	U	
74-87-3	Chloromethane			1		0.50	U	UJ
156-59-2	cis-1,2-Dichloroethyler			1		0.65		7
10061-01-5	cis-1,3-Dichloropropyl			1		0.50	U	
110-82-7	Cyclohexane			1		0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

5A

Laboratory:	York Analytical Laboratories, Inc			SDG:	18G1276			
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLV	P.00		
Matrix:		ratory ID:	<u>18G127</u>	-	File ID:	<u>QV608291.D</u>		
Sampled:	07/24/18 15:30 Prep	ared:	08/06/18	3 08:00	Analyzed:	08/06/18 18:22		
Solids:	· · · · · · ·		EPA 503		Initial/Final:	25 mL / 25 mL		
Batch:	BH80208 Sequence:	<u>Y8H0632</u>		Calibration:	YG80021	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION		C. (ug/L)	Q	
124-48-1	Dibromochloromethane				·).50	<u> </u>	
74-95-3	Dibromomethane			1).50	U U	
	1			_	1			TUT
75-71-8	Dichlorodifluoromethane			1		0.50	<u>บ</u> บ	$-1^{\vee 3}$
100-41-4	Ethyl Benzene			1		0.50	1	-
87-68-3	Hexachlorobutadiene			1		0.50	U	-1
98-82-8	Isopropylbenzene			1		0.50	U	UJ
79-20-9	Methyl acetate			1		0.50	U	_
1634-04-4	Methyl tert-butyl ether (MTBE)			1		0.50	<u> </u>	
108-87-2	Methylcyclohexane			1		0.50	<u> </u>	_
75-09-2	Methylene chloride			1		2.0	U	
104-51-8	n-Butylbenzene			1	C	0.50	U	UJ
103-65-1	n-Propylbenzene			1	0	0.50	U	UJ
95-47-6	o-Xylene			1	0	.50	U	_
179601-23-1	p- & m- Xylenes			1		1.0	U	_
99-87-6	p-Isopropyltoluene			1	0	.50	υ	
135-98-8	sec-Butylbenzene			1	0	.50	υ	UJ
100-42-5	Styrene			1	C	.50	υ	
75-65-0	tert-Butyl alcohol (TBA)			1		1.0	U	UJ
98-06-6	tert-Butylbenzene			1	0	.50	U	UT
127-18-4	Tetrachloroethylene			1		11		
108-88-3	Toluene			1	0	.50	U	
156-60-5	trans-1,2-Dichloroethylene			1	0	.50	U	
10061-02-6	trans-1,3-Dichloropropylene			1	0	.50	υ	
110-57-6	trans-1,4-dichloro-2-butene			l	0	.50	U	
79-01-6	Trichloroethylene			1		1.4		
75-69-4	Trichlorofluoromethane			1	0	0.50	U	
75-01-4	Vinyl Chloride			1	C).50	U	LUI
1330-20-7	Xylenes, Total			1		1.5	U	
SYSTEM MON	TORING COMPOUND	ADDED	(ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	7
1,2-Dichloroetha	ne-d4	10.0	0	10.5	105	69 - 130		
Toluene-d8		10.0	0	9.23	92.3	81 - 117		
p-Bromofluorobe	enzene	10.0		10.0	100	79 - 122		
INTERNAL STA	NDARD	ARE	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		1271	71	6.114	130881	6.109		
Chlorobenzene-d	15	4801	82	9.172	477558	9.166		_
1,2-Dichloroben	zene-d4	1839	35	12.157	170011	12.154		

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

5D

67-66-3 Chloroform 1 0.50 U 74-87-3 Chloromethane 1 0.50 U U 156-59-2 cis-1,2-Dichloroethylene 1 0.50 U U	Laboratory:	York Analytical Laboratories, Inc.		SDG:	<u>18G1276</u>			
Matrix Water Laboratory ID: 18(1276-11) File ID: OV068292-D Samplet: 97/24/18 16:45 Preparet: 0800/18 08:50 Analyzed: 08/06/18 18:51 Solids: Preparation: ED53008 Initial/Final: 2.5 VICA Back: BH50208 Sequence: V810632 Calibration: YG08021 Instrument: OV0A6 G50-20-6 1.1.1-27terachlorechane 1 0.50 U U T 79-345 1.1.2-27terachlorechane 1 0.50 U U T 79-345 1.1.2-27terachlorechane 1 0.50 U U T 79-055 1.1.2-27terachlorechane 1 0.50 U U T 79-343 1.1.2-27terachlorechane 1 0.50 U U T 72-554 1.2-37terachlorechane 1 0.50 U U T 95-61-1 1.2-4-Trichtobrosenae 1 0.50 U U T	Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXL	/P.00		
Samplet: 92/24/18.16:45 Prepared: 99/06/18.06:00 Analyzed: 92/06/18.16:51 Solids: Preparation: EPA 503/08 Initial/Final: 25.mL/25 mL Bate: BH80/28 Sequence: YBH06/32 Calibration: YGB00/21 Instrument: OVOA6 CAS NO. COMPOUND DILUTION CONC.(ug/L) Q Instrument: OVOA6 C43 NO. COMPOUND DILUTION CONC.(ug/L) Q Instrument: OVOA6 640-20-6 1.1.2.7trinchorosthane 1 0.50 U U/T 75-34-5 1.1.2.7trinchorosthane 1 0.50 U U/T 75-34-5 1.1.2.7trinchorosthane 1 0.50 U U/T 75-34-5 1.2.3-Trichlorosthane 1 0.50 U U/T 75-34-5 1.2.4-Trinchlybrosthane 1 0.50 U U/T 75-34-5 1.2.3-Trichlorosthane 1 0.50 U U/T 75-34-5 1.2.4-Trinchlybrosthane	Matrix:	Water Laboratory I	D: 18G12	•				
Solids: Preparation: EDA 50.00 Initial/Final: 2 SnL/25 mL Batch: BH80208 Sequence: YSH0532 Calibration: YG80201 Instrument: QYOA6 CAS NO. COMPOIND DILUTION CONC. (ug/L) Q Q 71:55:6 1,1,1.27trichloroethane 1 0.50 U UT 74:13:1 1,1.2.7trichloroethane 1 0.50 U UT 74:13:1 1,1.2.7trichloroethane 1 0.50 U UT 73:34:3 1,1.2.1.7trichloroethane 1 0.50 U UT 73:34:3 1,1.2.1.7trichloroethyten 1 0.50 U UT 73:34:3 1,1.2.1.7trichloroethyten 1 0.50 U UT 74:6:4 1,2.3.7trichloroethyten 1 0.50 U UT 79:6:8:4 1,2.2.1.7trichloroethyten 1 0.50 U UT 79:6:8:4 1,2.2.1.7trichloroethyten 1 0.50 U UT <td>Sampled:</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Sampled:	-						
Batch: BH80208 Sequence: YHB052 Calibration: YG8021 Instrument QVAG CAS NO. COMPOUND DILUTION CONC. (ug/L) Q 640-20-6 11,11-Trinkhoroethane 1 0.50 U UT 79-36-5 11,12-Trinkhoroethane 1 0.50 U UT 78-36-4 11,12-Trinkhoroethane 1 0.50 U UT 78-36-5 11,12-Trinkhoroethane 1 0.50 U UT 78-36-5 11,12-Trinkhoroethane 1 0.50 U UT 78-36-6 12,2-Trinkhoroethane 1 0.50 U UT 78-36-6 12,2-Trinkhoroethane 1 0.50 U UT 78-36-6 12,2-Trinkhoroethane 1 0.50 U UT 78-36-6 12,4-Trinkhoroethane 1 0.50 U UT 120-82-1 12,4-Trinkhoroethane 1 0.50 U UT 120-82-1 12	•	-			-			
CAS NO. COMPOUND DILUTION CONC. (ug/L) Q 60:20-6 1,1,1.2-Tetrachloroethane 1 0.50 U UT 71:55-6 1,1,1.2-Tetrachloroethane 1 0.50 U UT 79:34-5 1,1,2.2-Tetrachloroethane 1 0.50 U UT 79:04-5 1,1,2.Tetrachloroethane 1 0.50 U UT 79:04-5 1,1,2.Tetrachloroethane 1 0.50 U UT 79:04-5 1,1,2.Tetrachloroethane 1 0.50 U UT 79:05-6 1,1.2.Tetrachloroethane 1 0.50 U UT 73:34-3 1,1.2-Dickloroethane 1 0.50 U UT 87:61-6 1,2.3-Trickloroethane 1 0.50 U UT 96:12-4 1,2.3-Trickloroethane 1 0.50 U UT 96:12-8 1,2.4-Dirknowshazene 1 0.50 U UT 96:12-8 1,2.4-Dirknobehzene 1 <td>Solids:</td> <td>-</td> <td></td> <td><u>130B</u></td> <td>Initial/Final:</td> <td><u>25 mL/25 mL</u></td> <td></td> <td></td>	Solids:	-		<u>130B</u>	Initial/Final:	<u>25 mL/25 mL</u>		
639-20-6 11,1.2-Tetrachtoroethane 1 0.50 U U 73-35-5 11,1.2-Tetrachtoroethane 1 0.50 U U 73-34-5 11,2.2-Tetrachtoroethane 1 0.50 U U 73-34-5 11,2.2-Tetrachtoroethane 1 0.50 U U 76-13-1 11,2.2-Tetrachtoroethane 1 0.50 U U 75-34-3 1.1-Dichtoroethane 1 0.50 U U 75-35-4 1.1-Dichtoroethane 1 0.50 U U U 75-35-4 1.2-Dichtoroethane 1 0.50 U U U U U 76-13-1 1.2-Dictoroethane 1 0.50 U	Batch:	BH80208 Sequence: Y8	<u>H0632</u>	Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
21:55:40 1.1,1-Trichloroethane 1 0.50 U UT 78:34:5 1.1,2.2-Trichloroethane (Feon 113) 1 0.50 U UT 79:00:5 1.1,2.Trichloroethane 1 0.50 U UT 78:34:1 1.1.2-Trichloroethane 1 0.50 U UT 78:35:4 1.1.Dichloroethylene 1 0.50 U UT 78:35:4 1.1.Dichloroethylene 1 0.50 U UT 78:35:4 1.1.Dichloroethylene 1 0.50 U UT 98:61:6 1.2.3-Trichloroprogane 1 0.50 U UT 12:0:82:1 1.2.4-Trichlorobenzene 1 0.50 U UT 98:63:6 1.2.4-Trimethylenzene 1 0.50 U UT 95:60:1 1.2.Dichloroethane 1 0.50 U UT 95:61:1 1.2.Dichloroethane 1 0.50 U UT 10:69:3:4 1.3.5.Trinchlycenzene 1 0.50 U UT 10:69:5:4 1.2.Dichloroetha	CAS NO.	COMPOUND		DILUTION	CON	NC. (ug/L)	Q	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	630-20-6	1,1,1,2-Tetrachloroethane		1		0.50	U	VJ
76-13-1 1.1.2-Trichloro-1.2.2-trifluoroethane (Freen 113) 1 0.50 U UT 78-00-5 1.1.2-Trichloroethane 1 0.50 U UT 73-343 1.1-Dichloroethane 1 0.50 U UT 73-343 1.1-Dichloroethane 1 0.50 U UT 87-61.6 1.2.3-Trichloropropane 1 0.50 U UT 96-18.4 1.2.3-Trichloropropane 1 0.50 U UT 96-18.4 1.2.3-Trichloropropane 1 0.50 U UT 96-12.8 1.2.3-Trichloropropane 1 0.50 U UT 96-12.8 1.2.2-Dichloropropane 1 0.50 U UT 96-50-1 1.2-Dichloropenpane 1 0.50 U UT 108-64-7 1.4-Dichloropenpane 1 0.50 U UT 108-64-7 1.4-Dichloropenpane 1 0.50 U UT 108-64-7 1.4-Dichloropenpane </td <td>71-55-6</td> <td>1,1,1-Trichloroethane</td> <td>· · · · ·</td> <td>1</td> <td></td> <td>0.50</td> <td>υ</td> <td></td>	71-55-6	1,1,1-Trichloroethane	· · · · ·	1		0.50	υ	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	79-34-5	1,1,2,2-Tetrachloroethane		1		0.50	U	UJ
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Fre	on 113)	1		0.50	U	UJ
75-354 1,1-Dichloroethylene 1 0.50 U U/T 87-61-6 1,2,3-Trichlorobenzene 1 0.50 U U/T 96-184 1,2,3-Trichlorobenzene 1 0.50 U U/T 120-82-1 1,2,4-Trinethylbenzene 1 0.50 U U/T 95-63-6 1,2,4-Trinethylbenzene 1 0.50 U R 106-934 1,2.Dibromo-3-chloropropane 1 0.50 U U/T 95-50-1 1,2.Dibromo-tanne 1 0.50 U U/T 78-87-5 1,2.Dichlorophane 1 0.50 U U/T 78-87-5 1,2.Dichlorobenzene 1 0.50 U U/T 78-93-3 1,4.Dichlorobenzene 1 0.50 U U/T 106-64-7 1,4.Dichlorobenzene 1 0.50 U U/T 123-91-1 1,4.Dichlorobenzene 1 0.50 U U/T 123-91-1 1,4.Dichlorobenzene	79-00-5	1,1,2-Trichloroethane		1		0.50	U	LU
87-61-6 1.2.3-Trichloropenane 1 0.50 U U.J 96-184 1.2.3-Trichloropenane 1 0.50 U UJ 120-82-1 1.2.4-Trichloropenane 1 0.50 U UJ 95-63-6 1.2.4-Trichloropenane 1 0.50 U UJ 96-12-8 1.2.4-Trichloropenane 1 0.50 U VJ 96-12-8 1.2.Dibrome-3-chloropenane 1 0.50 U VJ 96-12-8 1.2.Dichloropenane 1 0.50 U VJ 95-50-1 1.2.Dichloropenane 1 0.50 U VJ 107-06-2 1.2.Dichloropenane 1 0.50 U VJ 78-87-5 1.2.Dichloropenane 1 0.50 U VJ 13-Dichlorobenzene 1 0.50 U VJ 13-91-1 1.4-Dichlorobenzene 1 0.50 U VJ 123-91-1 1.4-Dichlorobenzene 1 0.50 <t< td=""><td>75-34-3</td><td>1,1-Dichloroethane</td><td></td><td>11</td><td></td><td>0.50</td><td>U</td><td>UJ</td></t<>	75-34-3	1,1-Dichloroethane		11		0.50	U	UJ
96-18-4 1.2,3-Trichloropropane 1 0.50 U U 120-82-1 1.2,4-Trichloropergene 1 0.50 U U/J 95-12-8 1.2-Dibbromo-3-chloropropane 1 0.50 U V/J 96-12-8 1.2-Dibbromo-s-chloropropane 1 0.50 U KJ 95-50-1 1.2-Dichloropergane 1 0.50 U U/J 97-66-2 1.2-Dichloropergane 1 0.50 U U/J 78-87-5 1.2-Dichloropergane 1 0.50 U U/J 108-67-8 1.3-5-Trimethylberzene 1 0.50 U U/J 541-73-1 1.3-Dichlorobenzene 1 0.50 U U/J 108-67-8 1.3-5-Trimethylberzene 1 0.50 U U/J 123-91-1 1.4-Dichlorobenzene 1 0.50 U U/J 123-91-1 1.4-Dichlorobenzene 1 0.50 U U/J 108-10-1 4-Methyl-2-pentanone	75-35-4	1,1-Dichloroethylene		1		0.50	U	UJ
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	87-61-6	1,2,3-Trichlorobenzene		1		0.50	U	TUT
95:63-6 1,2,4-Trimethylbenzene 1 0.50 U 96:12-8 1,2-Dibromo-3-chloropropane 1 0.50 U U/J 95:50-1 1,2-Dibromoethane 1 0.50 U U/J 95:50-1 1,2-Dichlorobenzene 1 0.50 U U/J 107:06-2 1,2-Dichlorobenzene 1 0.50 U U/J 78:87:5 1,2-Dichlorobenzene 1 0.50 U U/J 108:67:8 1,3,5-Trimethylbenzene 1 0.50 U U/J 13:5-Dichlorobenzene 1 0.50 U U/J 106:46:7 1,4-Dichlorobenzene 1 0.50 U U/J 123:91-1 1,4-Dichlorobenzene 1 0.50 U K 123:91-1 1,4-Dichlorobenzene 1 0.50 U U/J 108:10-1 4-Methyl-2-pentanone 1 0.50 U U/J 108:10-1 4-Methyl-2-pentanone 1 0.50 U<	96-18-4	1,2,3-Trichloropropane		1		0.50	U	JUJ
96-12-8 1.2-Dibromo-3-chloropropane 1 0.50 U R 106-93-4 1.2-Dibromoethane 1 0.50 U UJ 95-50-1 1.2-Dichlorobenzene 1 0.50 U UJ 107-06-2 1.2-Dichloroethane 1 0.50 U UJ 108-67-8 1.3.5-Trimethylbenzene 1 0.50 U UJ 108-67-8 1.3.5-Trimethylbenzene 1 0.50 U UJ 108-67-8 1.3.5-Trimethylbenzene 1 0.50 U UJ 104-67-7 1.4-Dichlorobenzene 1 0.50 U UJ 104-64-7 1.4-Dichlorobenzene 1 0.50 U UJ 123-91-1 1.4-Dichlorobenzene 1 0.50 U UJ 108-10-1 4-Methyl-2-pentanone 1 0.50 U UJ 107-13-1 Acrolein 1 0.50 U UJ 107-13-1 Acrolein 1 0.50 <td>120-82-1</td> <td>1,2,4-Trichlorobenzene</td> <td></td> <td>1</td> <td></td> <td>0.50</td> <td>U</td> <td>TUT</td>	120-82-1	1,2,4-Trichlorobenzene		1		0.50	U	TUT
106-93-4 1.2-Dibromoethane 1 0.50 U UT 95-50-1 1.2-Dichlorobenzene 1 0.50 U UT 78-87-5 1.2-Dichlorobenzene 1 0.50 U UT 78-87-5 1.2-Dichlorobenzene 1 0.50 U UT 78-87-5 1.3-Dichlorobenzene 1 0.50 U UT 78-87-5 1.3-Dichlorobenzene 1 0.50 U UT 78-87-5 1.3-Dichlorobenzene 1 0.50 U UT 78-93-3 2-Betanone 1 0.50 U UT 78-93-3 2-Betanone 1 0.50 U UT 108-61-1 4-Methyl-2-pentanone 1 0.50 U UT 107-02-8 Acrolein 1 0.50 U UT 74-97-5 Bromochloromethane 1 0.50 U UT 75-22-2 Bromochloromethane 1 0.50 U <t< td=""><td>95-63-6</td><td>1,2,4-Trimethylbenzene</td><td></td><td>1</td><td></td><td>0.50</td><td>U</td><td></td></t<>	95-63-6	1,2,4-Trimethylbenzene		1		0.50	U	
95:50-1 1,2-Dichlorobenzene 1 0.50 U 107:06-2 1,2-Dichloropenane 1 0.50 U UT 78:87:5 1,3-Dichloropenane 1 0.50 U UT 541-73-1 1,3-Dichlorobenzene 1 0.50 U UT 541-73-1 1,3-Dichlorobenzene 1 0.50 U UT 106:46-7 1,4-Dichlorobenzene 1 0.50 U UT 106:46-7 1,4-Dichlorobenzene 1 0.50 U UT 123-91-1 1,4-Dicklorobenzene 1 0.50 U VT 108-46-7 1,4-Dicklorobenzene 1 0.50 U VT 108-10-1 4-Methyl-2-pentanone 1 0.50 U VT 108-10-1 4-Methyl-2-pentanone 1 0.50 U VT 107-02-8 Acetolein 1 0.50 U VT 107-13-1 Acrylonitrile 1 0.50 U	96-12-8	1,2-Dibromo-3-chloropropane		1		0.50	U	R
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1000 00 000000000000000000000000000000	95-50-1	1,2-Dichlorobenzene		1		0.50	U	
100 C 112 Dimethylenzene 1 3.00 U U 108-67-8 1,3-Dichlorobenzene 1 0.50 U U U 106-46-7 1,4-Dichlorobenzene 1 0.50 U U U 108-64-7 1,4-Dichlorobenzene 1 0.50 U U U 123-91-1 1,4-Dichlorobenzene 1 0.50 U U R 78-93-3 2-Butanone 1 0.50 U U R 591-78-6 2-Hexanone 1 0.50 U U T 108-10-1 4-Methyl-2-pentanone 1 0.50 U U T 107-02-8 Acrolein 1 0.50 U U T 107-02-8 Acrolein 1 0.50 U U T 74-97-5 Bromochloromethane 1 0.50 U U T 75-27-4 Bromochloromethane 1 0.50 U	107-06-2	1,2-Dichloroethane		1		0.50	U	TUT
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	108-67-8			1		0.50	υ	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	541-73-1			1		0.50		TUT
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	106-46-7	1,4-Dichlorobenzene		1		0.50	U	
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74-97-5 Bromochloromethane 1 0.50 U 75-27-4 Bromodichloromethane 1 0.50 U 75-27-4 Bromodichloromethane 1 0.50 U 75-27-2 Bromodichloromethane 1 0.50 U 75-25-2 Bromoform 1 0.50 U 74-83-9 Bromomethane 1 0.50 U 74-83-9 Bromomethane 1 0.50 U 75-15-0 Carbon disulfide 1 0.50 U UT 56-23-5 Carbon tetrachloride 1 0.50 U UT 108-90-7 Chlorobenzene 1 0.50 U UT 67-66-3 Chloroform 1 0.50 U UT 74-87-3 Chloromethane 1 0.50 U UT 156-59-2 cis-1,2-Dichloroethylene 1 0.50 U UT				1	1		1	
75-27-4 Bromodichloromethane 1 0.50 U 75-25-2 Bromoform 1 0.50 U 74-83-9 Bromomethane 1 0.50 U 74-83-9 Bromomethane 1 0.50 U 75-15-0 Carbon disulfide 1 0.50 U U 56-23-5 Carbon tetrachloride 1 0.50 U U U 56-23-5 Carbon tetrachloride 1 0.50 U U U 108-90-7 Chlorobenzene 1 0.50 U U U 75-00-3 Chloroform 1 0.50 U U U U 67-66-3 Chloromethane 1 0.50 U		Bromochloromethane		1			U	
75-25-2 Bromoform 1 0.50 U 74-83-9 Bromomethane 1 0.50 U 75-19-0 Carbon disulfide 1 0.50 U U 75-15-0 Carbon tetrachloride 1 0.50 U U 56-23-5 Carbon tetrachloride 1 0.50 U U 108-90-7 Chlorobenzene 1 0.50 U U 75-00-3 Chlorocthane 1 0.50 U U 67-66-3 Chloroform 1 0.50 U U 74-87-3 Chloromethane 1 0.50 U U 156-59-2 cis-1,2-Dichloroethylene 1 0.50 U U				1		0.50	U	
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75-15-0 Carbon disulfide 1 0.50 U U 56-23-5 Carbon tetrachloride 1 0.50 U U 108-90-7 Chlorobenzene 1 0.50 U U U 75-00-3 Chlorocthane 1 0.50 U U U U 67-66-3 Chloromethane 1 0.50 U				1			U	7
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108-90-7 Chlorobenzene 1 0.50 U 75-00-3 Chloroethane 1 0.50 U U 67-66-3 Chloromethane 1 0.50 U U T 74-87-3 Chloromethane 1 0.50 U U T 156-59-2 cis-1,2-Dichloroethylene 1 0.50 U U T				1			1	7
75-00-3 Chloroethane 1 0.50 U U 67-66-3 Chloroform 1 0.50 U U 74-87-3 Chloromethane 1 0.50 U U 156-59-2 cis-1,2-Dichloroethylene 1 0.50 U U								
67-66-3 Chloroform 1 0.50 U 74-87-3 Chloromethane 1 0.50 U U 156-59-2 cis-1,2-Dichloroethylene 1 0.50 U U				1				UI
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156-59-2 cis-1,2-Dichloroethylene 1 0.50 U				1				UJ
				1]
	10061-01-5	cis-1,3-Dichloropropylene		1	1			
110-82-7 Cyclohexane 1 0.50 U				1			U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

5D

Laboratory:	York Analytical Laborat	ories, Inc.			SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White	<u>Plains)</u>			Project:	770510.DLXLV	<u>P.00</u>		
Matrix:	Water	Laboratory	ID:	<u>18G127</u>	6-11	File ID:	<u>QV608292.D</u>		
Sampled:	<u>07/24/18 16:45</u>	Prepared:		<u>08/06/1</u>	<u>8 08:00</u>	Analyzed:	08/06/18 18:51		
Solids:		Preparation	ı:	<u>EPA 503</u>	30B	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	<u>BH80208</u> Seque	ence: <u>Y</u>	<u>8H0632</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND				DILUTION	CON	C. (ug/L)	Q	
124-48-1	Dibromochloromethane				1		0.50	U	-
74-95-3	Dibromomethane			··	1		0.50	U	7
75-71-8	Dichlorodifluoromethan	e			1		0.50	U	112
100-41-4	Ethyl Benzene				1		0.50	U	_
87-68-3	Hexachlorobutadiene				1		0.50	U	
98-82-8	Isopropylbenzene				1		0.50	U	TV
79-20-9	Methyl acetate				1		0.50	U	
1634-04-4	Methyl tert-butyl ether (l	MTBE)			. 1		0.50	U	
108-87-2	Methylcyclohexane		_		1		0.50	U	
75-09-2	Methylene chloride				1		2.0	U	
104-51-8	n-Butylbenzene				1	(0.50	U	UJ
103-65-1	n-Propylbenzene				1	(0.50	U	UT
95-47-6	o-Xylene				1		0.50	U	
179601-23-1	p- & m- Xylenes				1		1.0	U	
99-87-6	p-Isopropyltoluene				1		0.50	υ	
135-98-8	sec-Butylbenzene				1		0.50	U	UT
100-42-5	Styrene				1	(0.50	U	
75-65-0	tert-Butyl alcohol (TBA)				1		1.0	U	UJ
98-06-6	tert-Butylbenzene				1	().50	U	_U.T
127-18-4	Tetrachloroethylene		_		1	(0.50	U	VJ
108-88-3	Toluene				1	().23	J	_
156-60-5	trans-1,2-Dichloroethyle	ne			1	().50	U	_
10061-02-6	trans-1,3-Dichloropropyl	ene			1).50	U	
110-57-6	trans-1,4-dichloro-2-bute	ene			1).50	U	_
79-01-6	Trichloroethylene				1).50	υ	_
75-69-4	Trichlorofluoromethane				1	1 · · · · · · · · · · · · · · · · · · ·).50	U	_
75-01-4	Vinyl Chloride				1).50	<u> </u>	UJ
1330-20-7	Xylenes, Total				1		1.5	U	
SYSTEM MONI	TORING COMPOUND		ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ne-d4		10.		10.6	106	69 - 130		_
Toluene-d8			10.		9.85	98.5	81 - 117		_
p-Bromofluorobe	nzene	I	10.	.0	10.7	107	79 - 122	l	
INTERNAL STA	NDARD		AR	EA	RT	REF AREA	REF RT	Q	_
Fluorobenzene			1280		6.114	130881	6.109		_
Chlorobenzene-d			4728		9.169	477558	9.166		_
1,2-Dichlorobenz	ene-d4		1756	503	12.157	170011	12.154		

ORGANIC ANALYSIS DATA SHEET EPA 8260C

6A

Laboratory:	York Analytical Laboratories, Inc.	SDG:	<u>18G1276</u>	
Client:	WSP USA, Inc. (White Plains)	Project:	770510.DLXLVP.00	
Matrix:	Water Laboratory ID:	18G1276-12	File ID: QV608293.D	
Sampled:	<u>07/25/18 08:50</u> Prepared:	08/06/18 08:00	Analyzed: 08/06/18 19:20	
•	•		-	
Solids:	Preparation:	<u>EPA 5030B</u>	Initial/Final: <u>25 mL / 25 mL</u>	
Batch:	<u>BH80208</u> Sequence: <u>Y8H0632</u>	Calibration:	YG80021 Instrument:	<u>QVOA6</u>
CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U UI
71-55-6	1,1,1-Trichloroethane	1	0.50	U U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	<u> </u>
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	<u> </u>
79-00-5	1,1,2-Trichloroethane	1	0.50	<u> </u>
75-34-3	1,1-Dichloroethane	1	0.50	U U
75-35-4	1,1-Dichloroethylene	1	0.50	U V.
87-61-6	1,2,3-Trichlorobenzene	1	0.50	<u> </u>
96-18-4	1,2,3-Trichloropropane	1	0.50	<u> </u>
120-82-1	1,2,4-Trichlorobenzene	1	0.50	<u> </u>
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	UR
106-93-4	1,2-Dibromoethane	1	0.50	U U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	UU
78-87-5	1,2-Dichloropropane	1	0.50	U U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U VI
541-73-1	1,3-Dichlorobenzene	1	0.50	<u> </u>
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	UR
78-93-3	2-Butanone	1	0.50	UR
591-78-6	2-Hexanone	l	0.50	UV
108-10-1	4-Methyl-2-pentanone	1	0.81	J
67-64-1	Acetone	1	16	1
107-02-8	Acrolein	1	0.50	<u> </u>
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U_U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U U.
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	11	0.50	υ
110-82-7	Cyclohexane	1	0.50	U

ORGANIC ANALYSIS DATA SHEET EPA 8260C

6A

Client: WSP USA, Inc. (White Plains) Project: 770510 DLXL/P90 Matrix: Water Laboratory ID: 1801276-12 File ID: QV608293,D Sampled: 0725/10 08:50 Prepared ion: Q806/18 08:50 Analyzed: Q806/18 19:20 Solids: Prepared ion: EA 5030B Initial/Pinats Z5ml / Z5ml Behk: BHB2028 Sequence: X81052 Calibration: Q806/18 08:20 1 0.50 U Q Q Q Q 1244-81. Dibromonchinormethane 1 0.50 U Q7 17571-8 Dichoronchinormethane 1 0.50 U Q7 17571-8 Dichoronchinormethane 1 0.50 U U/3* 1094-14 Bubylespicehecame 1 0.50 U U/3* 1094-14 Bubylespicehecame 1 0.50 U U/3* 1094-15 Bubylespicehecame 1 0.50 U U/3* 103451 An	Laboratory:	York Analytical Laboratorie:	<u>s, Inc.</u>		SDG:	<u>18G1276</u>			
Matrix: Water Laboratory ID: ISCI276-12 File ID: OV:06229.D Sumpled: 07.25/18.08.50 Prepared: 08.06/18.08.00 Analyzed: 08.06/18.19.20 Solids: Preparation: EDA.50.08 Initia/Final: 2.5 mL/23 mL Batch: BH20202 Sequence: YBH052 Calibration: YG80021 Initia/Final: 0.000 CAS NO. COMPOUND Dibromochloromethane 1 0.50 U 0.000 73-718 Dibromochloromethane 1 0.50 U 0.000 100-41-4 Ethyl Bercene 1 0.50 U 0.000 8-842.8 Iteoprop/therzene 1 0.50 U 0.000 1634-94.4 Methyl acetude: 1 0.50 U 0.000 19-20-9 Methylene chloride 1 0.50 U 0.000 19-36-1 n-Broypoltene 1 0.50 U 0.000 19-36-2 Methylenechloride 1 0.50 <	Client:	WSP USA, Inc. (White Plair	ns)		Project:	770510.DLXLV	P.00		
Solids: Preparation: EPA 5030B Initial/Final: 2_SmL/2_SmL Bitch: BH50208 Sequence: YSH0632 Calibration: YGE0021 Instrument: OVOA6 CAS NO. COMPOUND DILUTION CONC. (ug/L) Q Q 124-81- Dibtromenhame 1 0.50 U V/7 100-114- Ethyl Borzene 1 0.50 U V/7 100-114- Ethyl Borzene 1 0.50 U V/7 972-09 Methyl ceribatilene 1 0.50 U V/7 1634-84-4 Methyl teribatyl ether (MTBE) 1 0.50 U U/7 104-51-8 n-Butylbenzene 1 0.50 U U/7 104-55-1 n-Ryten	Matrix:	Water	Laboratory ID:	<u>18G127</u>	-				
Solids: Preparation: EPA 5030B Initial/Final: 2 Sml./2 Sml. Bitch: BH80208 Sequence: Y SH0632 Calibration: Y G80021 Instrument: QVQA6 CAS NO. COMPOUND DILUTION CONC. (ug/L) Q Q 124-84-1 Dibtromonthane 1 0.50 U V/7 74-95-3 Dichromonthane 1 0.50 U V/7 100-11-1 Bhyl Berzene 1 0.50 U V/7 100-41-4 Bhyl Gerzene 1 0.50 U V/7 97-20-9 Methyl corbulatiene 1 0.50 U V/7 1634-044 Methyl corbulatien (MTBE) 1 0.50 U U/7 175-92-2 Methyleycolotxane 1 0.50 U U/7 104-51-8 n=Buylbenzene 1 0.50 U U/7 104-51-8 n=Buylbenzene 1 0.50 U U/7 103598-8 1	Sampled:	07/25/18 08:50	Prepared:	08/06/1	8 08:00	Analyzed:			
Batch: BH80202 Sequence: YBH0612 Calibration: YG80021 Instrument: QVOAG CAS NO. COMPOUND DILUTION CONC. (ug/L) Q 124.48-1 Dibromoethane 1 0.50 U 74-95.3 Dibromoethane 1 0.50 U 75-71-8 Dichoroothane 1 0.50 U 97-85.3 Dichoroothane 1 0.50 U 97-82.8 Isopropylbenzene 1 0.50 U 98-82.8 Isopropylbenzene 1 0.50 U 163-49-44 Methyl certus 1 0.50 U 163-49-44 Methylenc chloride 1 2.0 U 0.57 103-65-1 n-Propylbenzene 1 0.50 U 0.57 103-65-1 n-Propylbenzene 1 1.0 U 0.57 109-425 Styrene 1 1.0 U 0.57 109-47-6 p-Isopropyliolizene 1<	Solids:		-			-			
CAS NO. COMPOUND DILUTION CONC. (ag/L) Q 124:48-1 Dibromechloromethane 1 0.50 U 74:78-3 Dibromechloromethane 1 0.50 U 75:71-8 Dibromechloromethane 1 0.50 U 75:71-8 Disbloroditoromethane 1 0.50 U 87:71-8 Biopropylicatormethane 1 0.50 U 98:62-8 Isopropylicatormethane 1 0.50 U 98:62-8 Isopropylicatormethane 1 0.50 U 103:65:1 Bethylerichekexane 1 0.50 U U; T 103:65:1 n-Butylenzehe 1 0.50 U U; T 103:65:1 n-Butylenzene 1 0.50 U U; T 103:65:1 n-Butylenzene 1 0.50 U U; T 104:65:1 n-Butylenzene 1 0.50 U U; T 104:25:1 n-Awxlenes 1 10.50 <td>Batch:</td> <td>BH80208 Sequence</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td>OVOA6</td> <td></td>	Batch:	BH80208 Sequence	•					OVOA6	
12448-1 Dibromochlare 1 0.50 U 74-95-3 Dibromonethane 1 0.50 U 0.7 75-71-8 Dibromonethane 1 0.50 U 0.7 10041-4 Ethyl Benzene 1 0.50 U 0.7 10041-4 Ethyl Benzene 1 0.50 U 0.7 1024-44 Methyl enchanyl ether (MTBE) 1 0.50 U 0.7 79-20-9 Methyl enchanyl ether (MTBE) 1 0.50 U 0.7 104-51-8 Insprophenzene 1 0.50 U 0.7 104-51-8 n-Burybenzene 1 0.50 U 0.7 104-51-8 n-Burybenzene 1 0.50 U 0.7 104-51-8 n-Burybenzene 1 0.50 U 0.7 104-52 Byrene 1 0.50 U 0.7 135-98 Bec-Burybenzene 1 0.50 U 0.7 <tr< td=""><td>r</td><td></td><td></td><td></td><td>T</td><td></td><td></td><td>Y</td><td></td></tr<>	r				T			Y	
74-95-3 Dibromomethane 1 0.50 U 175-71-8 Dichbrondfluoromethane 1 0.50 U 1004-14 Ehyl Benzene 1 0.50 U 187-68-3 Hexachlorobutadiene 1 0.50 U 198-82-8 Isoprovybenzene 1 0.50 U 173-20-9 Methyl sectate 1 0.50 U 1834-04-4 Methyl rectributyl ether (MTBE) 1 0.50 U 1034-74 Methylene chloride 1 2.0 U 198-87-2 Methylene chloride 1 2.0 U 104-51-8 n-Butylbenzene 1 0.50 U U.T 1045-51 n-Propylbenzene 1 0.50 U U.T 10560-121 p-& m-Xylnex 1 1.0 U U.T 199-87-6 p-kjorpopyloluzene 1 0.50 U U.T 10042-5 Styrene 1 0.50 U U.T			·					1	_
75-71-8 Dicklorodifluoromethane 1 0.50 U 0/7 100-11-4 Ethyl Benzene 1 0.50 U U U 87-68-3 Hexachlorobutatiene 1 0.50 U U U 98-82-8 Isopropythenzene 1 0.50 U <t< td=""><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></t<>					1				
100-11 Ethyl Bernere 1 0.50 U 187-68-3 Hexachlorobutadiene 1 0.50 U 98-68-3 Hexachlorobutadiene 1 0.50 U 98-68-3 Hexachlorobutadiene 1 0.50 U 98-68-3 Hexachlorobutadiene 1 0.50 U 172-02-9 Methyl cer-butyl ether (MTBE) 1 0.50 U 1634-04-4 Methyl cer-butyl ether (MTBE) 1 0.50 U 108-51-8 n-Butylbenzene 1 0.50 U U/J 104-51-8 n-Butylbenzene 1 0.50 U U/J 104-51-8 n-Butylbenzene 1 0.50 U U/J 105-65-1 n-Broylbenzene 1 0.50 U U/J 195-67-6 p-Isoproylbune 1 0.50 U U/J 100-42-5 Styrene 1 0.50 U U/J 102-50 U U/J U/J				<u>.</u>				1	
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I634-04-4 Methyl tert-butyl ether (MTBE) I 0.50 U 108-87-2 Methyleyclohexane I 0.50 U 75.09-2 Methyleyclohexane I 0.50 U 104-51-8 n-Butylhenzane I 0.50 U U.T 103-65-1 n-Propylbenzane I 0.50 U U.T 95-87-6 o-Xylene I 0.50 U U.T 179601-23-1 p-&m-Xylenes I 1.0 U U.T 199-87-6 p-Isporpolytoluene I 0.50 U U.T 100-42-5 Styrene I 0.50 U U.T 198-96-6 tert-Butyl alcohol (TBA) I 2.2 T T 127-18-4 Tetrachloroethylene I 0.50 U U.T 108-88-3 Toluene I 0.50 U U.T 108-60-5 trans-1,2-Dichloroethylene I 0.50 U 100-10-2-6									-10.2
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95 47-6 0.Xylene 1 0.50 U 179601-23-1 p-&m-Xylenes 1 1.0 U 99-87-6 p-lsopropyltoluene 1 0.50 U 135-98-8 sce-Butylbenzene 1 0.50 U 100-42-5 Styrene 1 0.50 U 100-42-5 Styrene 1 0.50 U 100-42-5 Styrene 1 0.50 U 175-65-0 tert-Butyl alcohol (TBA) 1 2.2 J 98-06-6 tert-Butylbenzene 1 0.50 U UJ 108-88-3 Toluene 1 0.50 U UJ 10061-02-6 trans-1,2-Dichloroethylene 1 0.50 U 110-57-6 trans-1,2-Dichloropropylene 1 0.50 U 110-57-6 trans-1,3-Dichloropropylene 1 0.50 U 110-57-6 trans-1,3-Dichloropropylene 1 0.50 U 130-20-7 Xylen	104-51-8	n-Butylbenzene			1	0	.50	U	
179601-23-1 p-&m-Xylenes 1 1.0 U 99-87-6 p-lsopropylloluene 1 0.50 U 135-98-8 sec-Butylbenzene 1 0.50 U 100-42-5 Styrene 1 0.50 U 75-63-0 tert-Butyl alcohol (TBA) 1 2.2 T 98-06-6 tert-Butyl benzene 1 0.50 U U 127-18-4 Tetrachloroethylene 1 0.50 U U U 10061-02-6 trans-1,2-Dichloroethylene 1 0.50 U U U 10061-02-6 trans-1,3-Dichloroppylene 1 0.50 U U U 10061-02-6 trans-1,3-Dichloroppylene 1 0.50 U U U T 10061-02-6 trans-1,4-dichloro-2-butene 1 0.50 U U T 10061-02-6 trans-1,2-Dichloroethylene 1 0.50 U U T 10057-6 trans	103-65-1	n-Propylbenzene			1	0	.50	U	105
99-87-6 p-Isopropyltoluene 1 0.50 U 135-98-8 sec-Butylbenzene 1 0.50 U U/J 100-42-5 Styrene 1 0.50 U J/J 75-65-0 tert-Butyl alcohol (TBA) 1 2.2 J/J 98-06-6 tert-Butyl benzene 1 0.50 U J/J 127-18-4 Tetrachloroethylene 1 0.50 U J/J 127-18-4 Tetrachloroethylene 1 0.50 U J/J 100-66-5 trans-1,2-Dichloroethylene 1 0.50 U J/J 10061-02-6 trans-1,2-Dichloro-2-butene 1 0.50 U J/J 10061-02-6 trans-1,2-Dichloroethylene 1 0.50 U J/J 10061-02-6 trans-1,2-Dichloroethylene 1 0.50 U J/J 10061-02-6 trans-1,2-Dichloroethylene 1 0.50 U J/J 75-01-4 Trichloroffluoromethane 1	95-47-6	o-Xylene	_		1	0	.50	υ	
135-98-8 sec-Butylbenzene 1 0.50 U U/J 100-42-5 Styrene 1 0.50 U J 75-65-0 tert-Butyl alcohol (TBA) 1 2.2 J J 98-06-6 tert-Butylbenzene 1 0.50 U UJ 127-18-4 Tetrachloroethylene 1 0.50 U UJ 108-88-3 Toluene 1 0.50 U UJ 1065-0-5 trans-1,2-Dichloroethylene 1 0.50 U UJ 10061-02-6 trans-1,4-dichloro-2-butene 1 0.50 U U 10061-02-6 trans-1,4-dichloro-2-butene 1 0.50 U U J 100-57-6 trans-1,4-dichloro-2-butene 1 0.50 U J	179601-23-1	p- & m- Xylenes	<u></u>		1		1.0	U	_
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75-65-0 tert-Butyl alcohol (TBA) 1 2.2 J 98-06-6 tert-Butylbenzene 1 0.50 U UJ 127-18-4 Tetrachloroethylene 1 0.50 U UJ 127-18-4 Tetrachloroethylene 1 0.50 U UJ 108-88-3 Toluene 1 0.50 U UJ 1066-0-5 trans-1,2-Dichloroethylene 1 0.50 U UJ 10061-02-6 trans-1,3-Dichloropropylene 1 0.50 U U 10061-02-6 trans-1,4-dichloro-2-butene 1 0.50 U U 10-57-6 trans-1,4-dichloro-2-butene 1 0.50 U U 75-69-4 Trichlorofluoromethane 1 0.50 U U U 75-69-4 Vinyl Chloride 1 0.50 U U U U 1330-20-7 Xylenes, Total 1 1.5 U U U J <	135-98-8	sec-Butylbenzene			1	0	.50	U	_UJ
98-06-6 tert-Butylbenzene 1 0.50 U UT 127-18-4 Tetrachloroethylene 1 0.50 U UT 127-18-4 Tetrachloroethylene 1 0.50 U UT 127-18-4 Tetrachloroethylene 1 0.50 U UT 108-88-3 Toluene 1 0.50 U UT 1066-0-5 trans-1,2-Dichloroethylene 1 0.50 U UT 10061-02-6 trans-1,4-dichloro-2-butene 1 0.50 U UT 10061-02-6 trans-1,4-dichloro-2-butene 1 0.50 U UT 10061-02-6 trans-1,4-dichloro-2-butene 1 0.50 U UT 75-01-4 Vinyl Chloride 1 0.50 U UT UT 1330-20-7 Xylenes, Total 1 1.5 U UT SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-	100-42-5	Styrene			1	0	.50	U	
127-18-4 Tetrachloroethylene 1 0.50 U 108-88-3 Toluene 1 0.50 U 108-88-3 Toluene 1 0.50 U 106-02-6 trans-1,2-Dichloroethylene 1 0.50 U 10061-02-6 trans-1,3-Dichloropropylene 1 0.50 U 110-57-6 trans-1,4-dichloro-2-butene 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-01-4 Vinyl Chloride 1 0.50 U 1330-20-7 Xylenes, Total 1 1.5 U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 1 roluene-d8 10.0 9.36 93.6 81 - 117 1 p-Bromofluorobenzene 10.0 10.0 100	75-65-0	tert-Butyl alcohol (TBA)			1		2.2		5
108-88-3 Toluene 1 0.50 U 156-60-5 trans-1,2-Dichloroethylene 1 0.50 U 10061-02-6 trans-1,3-Dichloropropylene 1 0.50 U 110-57-6 trans-1,4-dichloro-2-butene 1 0.50 U 79-01-6 Trichloroethylene 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-01-4 Vinyl Chloride 1 0.50 U 1330-20-7 Xylenes, Total 1 1.5 U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 1 7-Bromofluorobenzene 10.0 10.0 100 79 - 122 1 INTERNAL STANDARD AREA RT	98-06-6	tert-Butylbenzene			1	0	.50	υ	UJ
156-60-5 trans-1,2-Dichloroethylene 1 0.50 U 10061-02-6 trans-1,3-Dichloropropylene 1 0.50 U 110-57-6 trans-1,4-dichloro-2-butene 1 0.50 U 79-01-6 Trichloroethylene 1 0.50 U 75-69-4 Trichloroethylene 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-01-4 Vinyl Chloride 1 0.50 U 1330-20-7 Xylenes, Total 1 1.5 U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 1 Toluene-d8 10.0 9.36 93.6 81 - 117 1 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 1 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene-d5	127-18-4	Tetrachloroethylene			1	0	.50	U	TUT
10061-02-6 trans-1,3-Dichloropropylene 1 0.50 U 110-57-6 trans-1,4-dichloro-2-butene 1 0.50 U 79-01-6 Trichloroethylene 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-01-4 Vinyl Chloride 1 0.50 U 1330-20-7 Xylenes, Total 1 1.5 U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 1 roluene-d8 10.0 9.36 93.6 81 - 117 1 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 1 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 Chlorobenzene-d5	108-88-3	Toluene			1	0	.50	U	
10061-02-6 trans-1,3-Dichloropropylene 1 0.50 U 110-57-6 trans-1,4-dichloro-2-butene 1 0.50 U 79-01-6 Trichloroethylene 1 0.50 U 75-69-4 Trichloroethylene 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-01-4 Vinyl Chloride 1 0.50 U 1330-20-7 Xylenes, Total 1 1.5 U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 1 Toluene-d8 10.0 9.36 93.6 81 - 117 1 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 1 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 12	156-60-5	trans-1,2-Dichloroethylene	· - · · · · · · · · · · · · · · · · · ·		1	0	.50	U	
110-57-6 trans-1,4-dichloro-2-butene 1 0.50 U 79-01-6 Trichloroethylene 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-01-4 Vinyl Chloride 1 0.50 U 1330-20-7 Xylenes, Total 1 1.5 U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 1 Toluene-d8 10.0 9.36 93.6 81 - 117 1 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 1 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 1 Chlorobenzene-d5 470072 9.172 477558 9.166 1	10061-02-6			-	1	0	.50	U	
79-01-6 Trichloroethylene 1 0.50 U 75-69-4 Trichlorofluoromethane 1 0.50 U 75-61-4 Vinyl Chloride 1 0.50 U 1330-20-7 Xylenes, Total 1 1.5 U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 Toluene-d8 10.0 9.36 93.6 81 - 117 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 Chlorobenzene-d5 470072 9.172 477558 9.166	110-57-6				1	0	.50	U	-
75-69-4 Trichlorofluoromethane 1 0.50 U 75-01-4 Vinyl Chloride 1 0.50 U U 1330-20-7 Xylenes, Total 1 1.5 U U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 1 Toluene-d8 10.0 9.36 93.6 81 - 117 1 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 1 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 1 Chlorobenzene-d5 470072 9.172 477558 9.166 1					1				
75-01-4 Vinyl Chloride 1 0.50 U V.T 1330-20-7 Xylenes, Total 1 1.5 U V.T SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 100					1				
1330-20-7 Xylenes, Total 1 1.5 U SYSTEM MONITORING COMPOUND ADDED (ug/L) CONC (ug/L) % REC QC LIMITS Q 1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 1 Toluene-d8 10.0 9.36 93.6 81 - 117 1 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 1 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 1 Chlorobenzene-d5 470072 9.172 477558 9.166 1					1	1		· · · - ·	TUT
1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 Toluene-d8 10.0 9.36 93.6 81 - 117 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 Chlorobenzene-d5 470072 9.172 477558 9.166									
1,2-Dichloroethane-d4 10.0 10.7 107 69 - 130 Toluene-d8 10.0 9.36 93.6 81 - 117 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 Chlorobenzene-d5 470072 9.172 477558 9.166	SYSTEM MON	ITORING COMPOUND	ADDEI) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
Toluene-d8 10.0 9.36 93.6 81 - 117 p-Bromofluorobenzene 10.0 10.0 100 79 - 122 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 Chlorobenzene-d5 470072 9.172 477558 9.166							· · · · · · · · · · · · · · · · · · ·		-1
p-Bromofluorobenzene 10.0 10.0 100 79 - 122 INTERNAL STANDARD AREA RT REF AREA REF RT Q Fluorobenzene 123069 6.111 130881 6.109 Chlorobenzene-d5 470072 9.172 477558 9.166									-1
Fluorobenzene 123069 6.111 130881 6.109 Chlorobenzene-d5 470072 9.172 477558 9.166		enzene				1			
Chlorobenzene-d5 470072 9.172 477558 9.166	INTERNAL STA	ANDARD	AR	EA	RT	REF AREA	REF RT	Q	
Chlorobenzene-d5 470072 9.172 477558 9.166	Fluorobenzene		123	069	6.111	130881	6.109		
1,2-Dichlorobenzene-d4 181126 12.157 170011 12.154	Chlorobenzene-c	15	470	072	1	477558	9.166		
	1,2-Dichloroben:	zene-d4	181	126	12.157	170011	12.154		

ORGANIC ANALYSIS DATA SHEET EPA 8260C

6D

Laboratory:	York Analytical Laboratories	<u>, Inc.</u>		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plain	<u>is)</u>		Project:	770510.DLXL	<u>VP.00</u>		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	6-13	File ID:	<u>QV608295.D</u>		
Sampled:		Prepared:	08/06/1		Analyzed:	08/06/18 20:18		
Solids:		Preparation:	EPA 503	30B	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80208 Sequence	•		Calibration:	YG80021	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION	1	NC. (ug/L)	Q	7
630-20-6	1,1,1,2-Tetrachloroethane			DILOTION		0.50	U U	LU
71-55-6	1,1,1-Trichloroethane			1		0.50	U U	TUT
79-34-5	1,1,2,2-Tetrachloroethane			1		0.50	U U	LU
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	oethane (Freon 113)		1		0.50	U U	TUT
79-00-5	1,1,2-Trichloroethane			1		0.50	U	TUT
75-34-3	1,1-Dichloroethane			1		0.50	U	TUT
75-35-4	1,1-Dichloroethylene			1	-	0.50	U U	UT
87-61-6	1,2,3-Trichlorobenzene			1	1	0.50	U U	TUT
96-18-4	1,2,3-Trichloropropane			1		0.50	U U	TUT
120-82-1	1,2,4-Trichlorobenzene			1		0.50	U U	JUJ
95-63-6	1,2,4-Trimethylbenzene			1		0.50	U U	-1°
96-12-8	1,2-Dibromo-3-chloropropan	•		1		0.50	<u> </u>	R
106-93-4	1,2-Dibromoethane	<u> </u>		1		0.50	U U	TUT
95-50-1	1,2-Dichlorobenzene			1		0.50	U U	$-1^{\circ 3}$
107-06-2	1,2-Dichloroethane			1		0.50	U U	TUT
78-87-5	1,2-Dichloropropane			1		0.50	U U	UJ
108-67-8	1,3,5-Trimethylbenzene					0.50	U U	
541-73-1	1,3-Dichlorobenzene		··	1		0.50	U U	LU
106-46-7	1,3-Dichlorobenzene			1		0.50	U U	-1^{\vee}
123-91-1	1,4-Dioxane			1		40	U U	R
78-93-3	2-Butanone	· · · · · · · · · · · · · · · · · · ·		1		3.3		R
591-78-6	2-Hexanone			1		0.50	U	UJ
108-10-1	4-Methyl-2-pentanone			1		0.50	U U	UJ
	Acetone			1		9.2	+	T T
<u>67-64-1</u> 107-02-8	1	<u> </u>		1		0.50	υ	- U.J
	Acrolein			1		0.50	U U	-1°
107-13-1 71-43-2	Acrylonitrile			1		0.65		
74-97-5	Benzene Bromochloromethane			1		0.50	υ	
75-27-4	Bromochloromethane	<u></u>		1		0.50	U U	
75-25-2	Bromodicniorometnane			1		0.50	U U	
73-23-2	Bromomethane			1		0.50	U U	
75-15-0	Carbon disulfide			1	1	0.50	U U	105
56-23-5	Carbon disulfide Carbon tetrachloride			1		0.50	U U	\neg
108-90-7	Carbon tetrachioride			1		0.50	U U	
75-00-3	Chloroethane	<u> </u>		1		0.50	U U	TUJ
67-66-3	Chloroform			1		0.50	U U	\dashv
74-87-3	Chloromethane			1		0.50	U U	UJ
156-59-2	cis-1,2-Dichloroethylene			1		0.50	υ υ	\dashv
10061-01-5	cis-1,3-Dichloropropylene	. <u></u>		1	1	0.50	υ υ	
110-82-7	Cyclohexane			1		0.50	U U	
110-02-7			· · · · · · · · · · · · · · · · · · ·	L	1	0.00	<u>v</u>	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

6D

Laboratory:	York Analytical Laboratoric	es, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plai	ins)		Project:	770510.DLXLV	P.00		
Matrix:	Water	Laboratory ID:	<u>18G12</u>	•	File ID:	<u>QV608295.D</u>		
Sampled:	07/25/18_10:50	Prepared:	08/06/1	<u>8 08:00</u>	Analyzed:	08/06/18 20:18		
Solids:		Preparation:	EPA 50	30B	Initial/Final:	25 mL / 25 mL		
Batch:	BH80208 Sequenc	-		Calibration:	YG80021	Instrument:	<u>QVOA6</u>	
CAS NO.				DILUTION		C. (ug/L)	Q	7
124-48-1	Dibromochloromethane			1).50	U	-
74-95-3	Dibromomethane			1).50 .50	U	
75-71-8	Dichlorodifluoromethane			1).50	U U	TUT
100-41-4	Ethyl Benzene			1).50	U U	
87-68-3	Hexachlorobutadiene			1).50	U U	
98-82-8	Isopropylbenzene	·····		1).50	U	U.J
79-20-9	Methyl acetate			1).50	U	
1634-04-4	Methyl tert-butyl ether (MT	BE)	-	1).50	U	-
108-87-2	Methylcyclohexane			1	1).50	U	
75-09-2	Methylene chloride			1		2.0	υ	_
104-51-8	n-Butylbenzene	·····		1).50	U	TUIT
103-65-1	n-Propylbenzene			1		0.50	U	UJ
95-47-6	o-Xylene	······		1	1).50	U	
179601-23-1	p- & m- Xylenes			1		1.0	U	_
99-87-6	p-Isopropyltoluene			1	1	0.50	U	-
135-98-8	sec-Butylbenzene			1		0.50	U	JUJ
100-42-5	Styrene			1		0.50	υ	_
75-65-0	tert-Butyl alcohol (TBA)			1		1.0	υ	TUJ
98-06-6	tert-Butylbenzene			1	0	0.50	υ	UJ
127-18-4	Tetrachloroethylene			1	0	.50	U	UJ
108-88-3	Toluene			1	0	.47	J	
156-60-5	trans-1,2-Dichloroethylene			1	0	.50	U	
10061-02-6	trans-1,3-Dichloropropylene			1	0	.50	U	
110-57-6	trans-1,4-dichloro-2-butene			1	0	.50	U	
79-01-6	Trichloroethylene			1	0	.50	U	
75-69-4	Trichlorofluoromethane			1	0	.50	U	
75-01-4	Vinyl Chloride			1	0	.50	U	UJ
1330-20-7	Xylenes, Total			1		1.5	UU	_
SYSTEM MONI	TORING COMPOUND	ADDEL) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ne-d4	10	.0	10.5	105	69 - 130		
Toluene-d8		10		9.47	94.7	81 - 117	ļ	
p-Bromofluorobe	enzene	10	.0	10.8	108	79 - 122	l	_
INTERNAL STA	ANDARD	AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		122	631	6.114	130881	6.109		
Chlorobenzene-d	······	461		9.172	477558	9.166		_
1,2-Dichlorobenz	zene-d4	165	570	12.157	170011	12.154		

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

7D

Laboratory:	York Analytical Laboratories, I	nc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXL	<u>/P.00</u>		
Matrix:	Water La	aboratory ID:	<u>18G127</u>	<u>6-14</u>	File ID:	QV608306.D		
Sampled:	<u>07/25/18 08:00</u> Pr	epared:	08/06/18	3 14:00	Analyzed:	08/07/18 01:27		
Solids:		eparation:	EPA 503		Initial/Final:	25 mL / 25 mL		
		-	<u>EIA 303</u>				01/01/	
Batch:	BH80266 Sequence:	<u>Y8H0724</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	_
CAS NO.	COMPOUND			DILUTION	C01	NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane			1		0.50	U	105
71-55-6	1,1,1-Trichloroethane			1	_	0.50	U	JUJ
79-34-5	1,1,2,2-Tetrachloroethane			1		0.50	U	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	thane (Freon 113)		1		0.50	U	TUL
79-00-5	1,1,2-Trichloroethane			1		0.50	U	TU_
75-34-3	1,1-Dichloroethane			1	_	0.50	U	
75-35-4	1,1-Dichloroethylene			1		0.50	U	_05
87-61-6	1,2,3-Trichlorobenzene			1		0.50	U	UJ
96-18-4	1,2,3-Trichloropropane			1		0.50	U	UJ
120-82-1	1,2,4-Trichlorobenzene			1		0.50	U	UJ
95-63-6	1,2,4-Trimethylbenzene			1		0.50	U	_
96-12-8	1,2-Dibromo-3-chloropropane			1		0.50	U	R
106-93-4	1,2-Dibromoethane			1		0.50	U	-CU
95-50-1	1,2-Dichlorobenzene			1		0.50	U	
107-06-2	1,2-Dichloroethane			1		0.50	U	UJ
78-87-5	1,2-Dichloropropane			1		0.50	U	UJ
108-67-8	1,3,5-Trimethylbenzene		-	1		0.50	υ	
541-73-1	1,3-Dichlorobenzene			1		0.50	U	JUJ
106-46-7	1,4-Dichlorobenzene			1		0.50	U	
123-91-1	1,4-Dioxane			1		40	U	R
78-93-3	2-Butanone			1		2.8		R
591-78-6	2-Hexanone		-	1		0.38	J	
108-10-1	4-Methyl-2-pentanone			1		0.50	U	UT
67-64-1	Acetone			1		2.5		
107-02-8	Acrolein			1		0.50	υ	JUJ
107-13-1	Acrylonitrile			1		0.50	<u> </u>	
71-43-2	Benzene			1	<u> </u>	0.83		
74-97-5	Bromochloromethane			1		0.50	υ	
75-27-4	Bromodichloromethane			1		0.50	U	
75-25-2	Bromoform			1		0.50	U	UJ
74-83-9	Bromomethane			1		0.50	U	UJ
75-15-0	Carbon disulfide			1		0.50	UU	
56-23-5	Carbon tetrachloride			1		0.50	U	
108-90-7	Chlorobenzene			1		0.50	U	
75-00-3	Chloroethane			1		0.50	U	
67-66-3	Chloroform			1		0.50	U	
74-87-3	Chloromethane			1		0.50	U	UJ
156-59-2	cis-1,2-Dichloroethylene			1		0.50	U	
10061-01-5	cis-1,3-Dichloropropylene			1		0.50	U	
110-82-7	Cyclohexane			1		0.50	U	

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ORGANIC ANALYSIS DATA SHEET EPA 8260C

7D

Laboratory:	York Analytical Laboratoric	es, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plai	ins)		Project:	770510.DLXLV	<u>P.00</u>		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	76-14	File ID:	<u>QV608306.D</u>		
Sampled:	07/25/18 08:00	Prepared:	<u>08/06/1</u>	<u>8 14:00</u>	Analyzed:	<u>08/07/18 01:27</u>		
Solids:		Preparation:	<u>EPA 50</u>	<u>30B</u>	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	<u>BH80266</u> Sequenc	e: <u>Y8H072</u> 4	<u>1</u>	Calibration:	YG80021	Instrument:	QVOA6	
CAS NO.	COMPOUND			DILUTION	CON	C. (ug/L)	Q	٦
124-48-1	Dibromochloromethane			1).50	U	-
74-95-3	Dibromomethane			1).50	U	-
75-71-8	Dichlorodifluoromethane		-	1	1).50	U	705
100-41-4	Ethyl Benzene			1).50	U	
87-68-3	Hexachlorobutadiene			1).50	U	-
98-82-8	Isopropylbenzene			1).50	U	1
79-20-9	Methyl acetate			1).50	U	-
1634-04-4	Methyl tert-butyl ether (MT	BE)		1).50	U	-
108-87-2	Methylcyclohexane			1).50	U	-
75-09-2	Methylene chloride			1	1	2.0	U	TUT
104-51-8	n-Butylbenzene			1		0.50	U	TU
103-65-1	n-Propylbenzene			1	1	0.50	U	٦° ٦
95-47-6	o-Xylene			1		0.50	U	-
179601-23-1	p- & m- Xylenes			1		1.0	U	
99-87-6	p-Isopropyltoluene			1).50	U	7
135-98-8	sec-Butylbenzene			1	1).50	U	7
100-42-5	Styrene			1	C).50	U	
75-65-0	tert-Butyl alcohol (TBA)			1		4.5		
98-06-6	tert-Butylbenzene			1	C).50	U	
127-18-4	Tetrachloroethylene			1	C	0.50	υ	
108-88-3	Toluene			1	0	0.41	J	
156-60-5	trans-1,2-Dichloroethylene			1	0	.50	U	
10061-02-6	trans-1,3-Dichloropropylene	•		1	0	.50	U	
110-57-6	trans-1,4-dichloro-2-butene		-	1	0	.50	U	
79-01-6	Trichloroethylene			1	0	.50	U	
75-69-4	Trichlorofluoromethane			1	0	.50	U	
75-01-4	Vinyl Chloride			1	0	.50	U	UJ
1330-20-7	Xylenes, Total			1		1.5	U	
SYSTEM MONI	TORING COMPOUND	ADDE	D (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	7
1,2-Dichloroetha	ne-d4	10	0.0	10.4	104	69 - 130		
Toluene-d8		1(0.0	9.79	97.9	81 - 117		
p-Bromofluorobe	enzene	1(0.0	10.5	105	79 - 122		
INTERNAL STA	NDARD	AF	REA	RT	REF AREA	REF RT	Q	
Fluorobenzene		127	644	6.114	125380	6.114		
Chlorobenzene-d	5	465	5251	9.169	483296	9.172		
1,2-Dichlorobenz	zene-d4	170	939	12.157	186086	12.154		

ORGANIC ANALYSIS DATA SHEET EPA 8260C

Field Duplicate

Laboratory:	York Analytical Laboratories, Inc.			SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Pla	<u>uins)</u>		Project:	770510.DLXL	<u>/P.00</u>		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	<u>6-15</u>	File ID:	<u>QV608307.D</u>		
Sampled:	07/24/18 15:00	Prepared:	08/06/18	<u>8 14:00</u>	Analyzed:	<u>08/07/18 01:54</u>		
Solids:		Preparation:	<u>EPA 503</u>	<u>0B</u>	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80266 Sequen	ce: <u>Y8H0724</u>		Calibration:	YG80021	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION		NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane			1		0.50	U U	UJ
71-55-6	1,1,1-Trichloroethane			1		0.97		1
79-34-5	1,1,2,2-Tetrachloroethane			1		0.50	U	
76-13-1	1	anaethene (Ereen 112)		1		0.50	U U	
79-00-5	1,1,2-Trichloro-1,2,2-triflu 1,1,2-Trichloroethane	oroethane (Freon 115)		1			U U	UJ
						0.50		15
75-34-3	1,1-Dichloroethane			1		0.43	J	
75-35-4	1,1-Dichloroethylene			1		0.50	U	-UJ
87-61-6	1,2,3-Trichlorobenzene			1		0.50	U	
96-18-4	1,2,3-Trichloropropane			1		0.50	U	
120-82-1	1,2,4-Trichlorobenzene			1		0.50	U	LU_
95-63-6	1,2,4-Trimethylbenzene			1		0.50	U	
96-12-8	1,2-Dibromo-3-chloroprop	ane		1		0.50	<u> </u>	BER.
106-93-4	1,2-Dibromoethane			1		0.50	<u> </u>	_UJ
95-50-1	1,2-Dichlorobenzene			1		0.50	U	_
107-06-2	1,2-Dichloroethane			1		0.50	U	UJ
78-87-5	1,2-Dichloropropane			1		0.50	U	UJ
108-67-8	1,3,5-Trimethylbenzene			1		0.50	U	
541-73-1	1,3-Dichlorobenzene			1		0.50	U	LUT
106-46-7	1,4-Dichlorobenzene			1		0.50	U	
123-91-1	1,4-Dioxane			1		40	U	R
78-93-3	2-Butanone			1		0.50	U	R
591-78-6	2-Hexanone			1		0.50	U	
108-10-1	4-Methyl-2-pentanone			1		0.50	U	UJ
67-64-1	Acetone			1		2.0	UU	
107-02-8	Acrolein			1		0.50	U	LU
107-13-1	Acrylonitrile			1		0.50	U	
71-43-2	Benzene			1		0.50	U	
74-97-5	Bromochloromethane			1		0.50	U	
75-27-4	Bromodichloromethane			1		0.50	U	
75-25-2	Bromoform			1		0.50	U	TUT
74-83-9	Bromomethane			1	1	0.50	U	UJ
75-15-0	Carbon disulfide			1		0.50	υ	7
56-23-5	Carbon tetrachloride			1		0.50	U	7
108-90-7	Chlorobenzene			1		0.50	U	7
75-00-3	Chloroethane			1		0.50	U	7
67-66-3	Chloroform			1		0.50	U	7
74-87-3	Chloromethane	· · · · · · · · · · · · · · · · · · ·		1		0.50	U	TUT
156-59-2	cis-1,2-Dichloroethylene			1		2.1		٦٦
10061-01-5	cis-1,3-Dichloropropylene			1		0.50	υ	-
110-82-7	Cyclohexane					0.50	U	1

ORGANIC ANALYSIS DATA SHEET EPA 8260C

Field Duplicate

Laboratory:	York Analytical Laboratories	<u>s, Inc.</u>		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plair	<u>is)</u>		Project:	770510.DLXLV	<u>P.00</u>		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	6-15	File ID:	QV608307.D		
Sampled:	07/24/18 15:00	Prepared:	<u>08/06/1</u>	<u>8 14:00</u>	Analyzed:	08/07/18 01:54		
Solids:		Preparation:	<u>EPA 50</u>	<u>30B</u>	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80266 Sequence	: <u>Y8H0724</u>		Calibration:	YG80021	Instrument:	QVOA6	
CAS NO.	COMPOUND		-	DILUTION	CON	C. (ug/L)	Q	٦
124-48-1	Dibromochloromethane			1		0.50	U	
74-95-3	Dibromomethane			1	(0.50	U	
75-71-8	Dichlorodifluoromethane			1	(0.50	U	U 7
100-41-4	Ethyl Benzene		·	1		0.50	υ	
87-68-3	Hexachlorobutadiene			1	(0.50	U	
98-82-8	Isopropylbenzene			1).50	U	
79-20-9	Methyl acetate			1).50	U	
1634-04-4	Methyl tert-butyl ether (MTE	BE)		1	().50	U	
108-87-2	Methylcyclohexane	·		1).50	U	
75-09-2	Methylene chloride			1		2.0	U	TUJ
104-51-8	n-Butylbenzene			1	().50	U	JUJ
103-65-1	n-Propylbenzene			1	().50	υ	
95-47-6	o-Xylene			1	().50	U	
179601-23-1	p- & m- Xylenes			1		1.0	U	
99-87-6	p-Isopropyltoluene			1	().50	U	
135-98-8	sec-Butylbenzene	· · · · · · · · · · · · · · · · · · ·		1	().50	U	
100-42-5	Styrene	. –		1	().50	U	
75-65-0	tert-Butyl alcohol (TBA)			1		1.0	U	
98-06-6	tert-Butylbenzene			1	().50	U	
127-18-4	Tetrachloroethylene			1		19		J
108-88-3	Toluene			1	().50	U	
156-60-5	trans-1,2-Dichloroethylene			1	().50	U	
10061-02-6	trans-1,3-Dichloropropylene			1	0).50	U	
110-57-6	trans-1,4-dichloro-2-butene			1	0).50	U	
79-01-6	Trichloroethylene			1		2.6		
75-69-4	Trichlorofluoromethane			1	0).50	U	
75-01-4	Vinyl Chloride			1	0).50	U	UJ
1330-20-7	Xylenes, Total			1		1.5	U	
SYSTEM MON	ITORING COMPOUND	ADDEI	D (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	
1,2-Dichloroetha	ine-d4	10).0	10.7	107	69 - 130		
Toluene-d8		1().0	9.07	90.7	81 - 117		
p-Bromofluorob	enzene	10).0	10.0	100	79 - 122		
INTERNAL STA	ANDARD	AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		123	732	6.114	125380	6.114		
Chlorobenzene-	15	462	164	9.172	483296	9.172	<u> </u>	
1,2-Dichloroben	zene-d4	172	644	12.157	186086	12.154		

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

Field Blank

Laboratory:	York Analytical Lab	oratories, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (Wh	<u>uite Plains)</u>		Project:	770510.DLXL	<u>VP.00</u>		
Matrix:	Water	Laboratory ID:	<u>18G127(</u>	5-16	File ID:	<u>QV608206.D</u>		
Sampled:	07/25/18 15:00	Prepared:	08/03/18		Analyzed:	08/03/18 10:38		
Solids:		·			Initial/Final:			
		Preparation:	<u>EPA 503</u>			<u>25 mL / 25 mL</u>		
Batch:		equence: Y8H0619		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION	CO	NC. (ug/L)	Q	<u> </u>
630-20-6	1,1,1,2-Tetrachloroet			1		0.50	U	LUT
71-55-6	1,1,1-Trichloroethan			1		0.50	U	TU
79-34-5	1,1,2,2-Tetrachloroet	· · · · · · · · · · · · · · · · · · ·		1		0.50	U	LU
76-13-1	1,1,2-Trichloro-1,2,2	-trifluoroethane (Freon 113)		1		0.50	U	UJ
79-00-5	1,1,2-Trichloroethan	e		1		0.50	U	UJ
75-34-3	1,1-Dichloroethane			1		0.50	U	UJ
75-35-4	1,1-Dichloroethylene			1		0.50	U	UJ
87-61-6	1,2,3-Trichlorobenze	ene		1		0.50	U	VJ
96-18-4	1,2,3-Trichloropropa	ne		11		0.50	U	UI
120-82-1	1,2,4-Trichlorobenze	ene		1		0.50	UU	
95-63-6	1,2,4-Trimethylbenze	ene		11		0.50	U	
96-12-8	1,2-Dibromo-3-chlor	opropane		1		0.50	U	R
106-93-4	1,2-Dibromoethane			1		0.50	U	TU
95-50-1	1,2-Dichlorobenzene			1		0.50	U	
107-06-2	1,2-Dichloroethane			1		0.50	U	UJ
78-87-5	1,2-Dichloropropane			1		0.50	U	UJ
108-67-8	1,3,5-Trimethylbenze	ene		11		0.50	U	
541-73-1	1,3-Dichlorobenzene			1		0.50	U	UJ
106-46-7	1,4-Dichlorobenzene			1		0.50	U	
123-91-1	1,4-Dioxane			1		40	U	R
78-93-3	2-Butanone			1		0.50	U	R
591-78-6	2-Hexanone			1		0.50	U	
108-10-1	4-Methyl-2-pentanon	ie		1		0.50	U	LU
67-64-1	Acetone			1		2.0	U	
107-02-8	Acrolein			1		0.50	U	UJ
107-13-1	Acrylonitrile			1		0.50	<u> </u>	
71-43-2	Benzene			1		0.50	U	
74-97-5	Bromochloromethane	3		1		0.50	U	
75-27-4	Bromodichlorometha	ine		1		0.50	U	
75-25-2	Bromoform			1		0.50	U	UJ
74-83-9	Bromomethane			1		0.50	υ	JUJ
75-15-0	Carbon disulfide			1		0.50	U	
56-23-5	Carbon tetrachloride			1		0.50	U	_
108-90-7	Chlorobenzene			1		0.50	<u> </u>	_
75-00-3	Chloroethane			1		0.50	<u> </u>	_
67-66-3	Chloroform			11		0.50	υ	
74-87-3	Chloromethane			1		0.50	U	JUJ
156-59-2	cis-1,2-Dichloroethyl	ene		1		0.50	U	JUJ
10061-01-5	cis-1,3-Dichloroprop	ylene		1		0.50	U	JUJ
110-82-7	Cyclohexane			1		0.50	U	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

Field Blank

Laboratory:	York Analytical Laboratorie	s, Inc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plain	<u>15)</u>		Project:	770510.DLXLVI	2.00		
Matrix:	Water	Laboratory ID:	<u>18G127</u>	6-16	File ID:	QV608206.D		
Sampled:	07/25/18 15:00	Prepared:	08/03/1	<u>8 06:00</u>	Analyzed:	<u>08/03/18 10:38</u>		
Solids:		Preparation:	<u>EPA 50</u>	<u>30B</u>	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80203 Sequence	: <u>Y8H0619</u>		Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION	1	C. (ug/L)	Q	٦
124-48-1	Dibromochloromethane			1		.50	U	-
74-95-3	Dibromomethane			1		.50	U	
75-71-8	Dichlorodifluoromethane		ł	1		.50	U	TUT
100-41-4	Ethyl Benzene			1		.50	U	
87-68-3	Hexachlorobutadiene			1	1 · · ·	.50	U	
98-82-8	Isopropylbenzene			1		.50	U	-
79-20-9	Methyl acetate			,		.50	U	-
1634-04-4	Methyl tert-butyl ether (MTI	BE)		1		.50	U	-
108-87-2	Methylcyclohexane			1	1	.50	U	-
75-09-2	Methylene chloride			1		2.0	U	-
104-51-8	n-Butylbenzene			1		.50	U	-
103-65-1	n-Propylbenzene			1		.50	U	-
95-47-6	o-Xylene			1		.50	U	-
179601-23-1	p- & m- Xylenes			1		1.0	U	-
99-87-6	p-lsopropyltoluene			1		.50	U	1
135-98-8	sec-Butylbenzene			1		.50	U	-
100-42-5	Styrene			1	1	.50	U	-
75-65-0	tert-Butyl alcohol (TBA)			1		.0	U	UJ
98-06-6	tert-Butylbenzene	······································		1		.50	U	-
127-18-4	Tetrachloroethylene		-	1		.50		TUT
108-88-3	Toluene			1	1	.50	U	
156-60-5	trans-1,2-Dichloroethylene			1		.50	U	TUT
10061-02-6	trans-1,3-Dichloropropylene			1		.50	U	TUT
110-57-6	trans-1,4-dichloro-2-butene			1	· · · · · · · · · · · · · · · · · · ·	.50	U	7
79-01-6	Trichloroethylene			1		.50	U	1
75-69-4	Trichlorofluoromethane	-		1	0	.50	υ	7
75-01-4	Vinyl Chloride			1	1	.50	U	TUT
1330-20-7	Xylenes, Total			1		.5	U	
SYSTEM MONI	TORING COMPOUND	ADDED) (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q	7
1,2-Dichloroetha	ne-d4	10	.0	10.3	103	69 - 130		
Toluene-d8		10	.0	9.62	96.2	81 - 117		
p-Bromofluorobe	enzene	10	.0	11.6	116	79 - 122		
INTERNAL STA	NDARD	AR	EA	RT	REF AREA	REF RT	Q	
Fluorobenzene		143	185	6.111	145212	6.109		
Chlorobenzene-d	5	529	243	9.169	544919	9.169		
1,2-Dichlorobenz	zene-d4	171	165	12.152	197536	12.152	<u> </u>	

ORGANIC ANALYSIS DATA SHEET EPA 8260C

Trip Blank

Laboratory:	York Analytical L	aboratories, I	nc.		SDG:	<u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DL.XL	<u>VP.00</u>		
Matrix:	Water	La	boratory ID:	<u>18G127</u>	<u>6-17</u>	File ID:	<u>QV608205.D</u>		
Sampled:	07/25/18 15:00	Pr	epared:	08/03/18	3 06:00	Analyzed:	08/03/18 10:11		
Solids:			eparation:	EPA 503		Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	DIMODO		•	<u>LIN 303</u>	Calibration:	YG80021	Instrument:	01/046	
	BH80203	Sequence:	<u>Y8H0619</u>					<u>QVOA6</u>	
CAS NO.	COMPOUND				DILUTION	CO	NC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachlor				1		0.50	U	UJ
71-55-6	1,1,1-Trichloroeth				1		0.50	U	JUJ
79-34-5	1,1,2,2-Tetrachlor				1		0.50	<u> </u>	_UJ
76-13-1	1,1,2-Trichloro-1,		thane (Freon 113)		<u> </u>		0.50	<u> </u>	TU
79-00-5	1,1,2-Trichloroeth				1		0.50	U	
75-34-3	1,1-Dichloroethan				1		0.50	<u> </u>	UJ
75-35-4	1,1-Dichloroethyl			<u> </u>	1		0.50	<u> </u>	_UJ
87-61-6	1,2,3-Trichlorober				1	_	0.50	U	
96-18-4	1,2,3-Trichloropro				1		0.50	U	UJ
120-82-1	1,2,4-Trichlorober	nzene			1		0.50	U	TU
95-63-6	1,2,4-Trimethylbe				1		0.50	U	_
96-12-8	1,2-Dibromo-3-ch	loropropane			1		0.50	U	R
106-93-4	1,2-Dibromoethan	e			1		0.50	U	UJ
95-50-1	1,2-Dichlorobenze	ene			1		0.50	U	
107-06-2	1,2-Dichloroethan	e			1		0.50	U	TU
78-87-5	1,2-Dichloropropa	ine			1		0.50	U	UJ
108-67-8	1,3,5-Trimethylbe	nzene			1		0.50	U	_
541-73-1	1,3-Dichlorobenze	ene			1		0.50	U	UJ
106-46-7	1,4-Dichlorobenze	ene			1		0.50	U	
123-91-1	1,4-Dioxane				1		40	U	R
78-93-3	2-Butanone				1		0.50	U	R
591-78-6	2-Hexanone				1		0.50	UU	
108-10-1	4-Methyl-2-pentar	none			1		0.50	U	TU_
67-64-1	Acetone				1		2.0	U	
107-02-8	Acrolein				1		0.50	U	UJ
107-13-1	Acrylonitrile				1		0.50	U	
71-43-2	Benzene				1		0.50	U	
74-97-5	Bromochlorometh	ane			1		0.50	U	
75-27-4	Bromodichlorome	thane			1		0.50	U	
75-25-2	Bromoform				1		0.50	U	TU
74-83-9	Bromomethane				1		0.50	UU	
75-15-0	Carbon disulfide				1		0.50	U	
56-23-5	Carbon tetrachlori	de			1		0.50	υ	
108-90-7	Chlorobenzene				1		0.50	U	
75-00-3	Chloroethane				1		0.50	U	
67-66-3	Chloroform				1		0.50	U	
74-87-3	Chloromethane				1		0.50	U	
156-59-2	cis-1,2-Dichloroet	hylene			1		0.50	U	TUT
10061-01-5	cis-1,3-Dichloropr	opylene			1		0.50	U	tu
110-82-7	Cyclohexane				1		0.50	U	

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

Trip Blank

Laboratory:	York Analytical Laboratories, Inc.			SDG:	DG: <u>18G1276</u>			
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXLVP.00				
Matrix:	<u>Water</u> La	boratory ID:	<u>18G127</u>	<u>6-17</u>	File ID:	<u>QV608205.D</u>		
Sampled:	<u>07/25/18 15:00</u> Pr	epared:	08/03/1	<u>8 06:00</u>	Analyzed:	<u>08/03/18 10:11</u>		
Solids:	Pr	eparation:	EPA 50.	<u>30B</u>	Initial/Final:	<u>25 mL / 25 mL</u>		
Batch:	BH80203 Sequence:	<u>Y8H0619</u>	•	Calibration:	<u>YG80021</u>	Instrument:	<u>QVOA6</u>	
CAS NO.	COMPOUND			DILUTION	CON	C. (ug/L)	Q	7
124-48-1	Dibromochloromethane			1	C	U		
74-95-3	Dibromomethane			1).50	υ	7
75-71-8	Dichlorodifluoromethane			1		0.50	U	TUT
100-41-4	Ethyl Benzene			1	0	0.50	U	
87-68-3	Hexachlorobutadiene			1	0	0.50	U	
98-82-8	Isopropylbenzene			1		0.50	U	
79-20-9	Methyl acetate			1		0.50	U	
1634-04-4	Methyl tert-butyl ether (MTBE)		1	0	0.50	U	
108-87-2	Methylcyclohexane	6		1	0	0.50	U	
75-09-2	Methylene chloride			1		2.0	U	
104-51-8	n-Butylbenzene			1	0	0.50	U	
103-65-1	n-Propylbenzene			1	0.50		U	
95-47-6	o-Xylene			1	0.50		U	
179601-23-1	p- & m- Xylenes			1		1.0	U	
99-87-6	p-lsopropyltoluene			1	0	0.50		
135-98-8	sec-Butylbenzene			1	0	0.50		
100-42-5	Styrene			1	0.50		U	
75-65-0	tert-Butyl alcohol (TBA)			1	1.0		U	
98-06-6	tert-Butylbenzene			1	0.50		U	
127-18-4	Tetrachloroethylene			1	0	.50	U	JUJ
108-88-3	Toluene			1	0.50		U	UJ
156-60-5	trans-1,2-Dichloroethylene			1	0.50		U	_
10061-02-6	trans-1,3-Dichloropropylene			1	0.50		UU	UJ
110-57-6	trans-1,4-dichloro-2-butene			1	0.50		U	
79-01-6	Trichloroethylene				0	.50	U	
75-69-4	Trichlorofluoromethane			1	0	.50	U	
75-01-4	Vinyl Chloride			1	0.50		U	
1330-20-7	Xylenes, Total			1]	1.5	U	
SYSTEM MONITORING COMPOUND ADDED (ug/L)		CONC (ug/L)	% REC	QC LIMITS	Q			
1,2-Dichloroethane-d4 10.0			9.99	99.9	69 - 130			
Toluene-d8 10.0			9.66	96.6	81 - 117			
p-Bromofluorobenzene 10.0			11.4	114	79 - 122			
INTERNAL STANDARD AREA			RT	REF AREA	REF RT	Q		
Fluorobenzene 146895			6.111	145212	6.109	ļ	_	
Chlorobenzene-d5 536547			9.169	544919	9.169		_	
1,2-Dichlorobenzene-d4 178856			12.152	197536	12.152			

APPENDIX C

York Analytical L	aboratories, Inc.					<u></u>			YORK Pr	oject No.
120 Research Drive Stratford CT 06615	¹² 120 Research Drive 132-02 89th Ave Field Chain-of-Custody Reco					cord	18G1276			
I SE HUR DEK DESA	Clientservices@yorklab.com Clientservices@yorklab.com NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document This document serves as your written authorization for YORK to proceed with the analyses requested below Your signature binds you to YORK's Standard Terms & Conditions						Pàu	el of Z		
YOUR Information	To: Invoice To:			YOUR Project Number		·····	round Time			
Company USP	Company Company			Солдалу			770510. NLXLUPON			Next Day
Address & Westchecker Pirk Dr Address		Address						RUSH - Two Day		
White Plains, V/	E SAI			×41	Y Cin	YOUR Project Name			Three Day	
914694 5711		Phone:				Delute		RUSH -	Four Day	
Contact JUMA Weber	Contact	······	Contact						Standar	d (5-7 Day) 🗙
Jermin Jeber & WEP. COM	Termi Leber B. WS P. LOM			E-u71			YOUR PO#: 770510 DIXLUZUS			
will not be logged in and the turn-around-time clock	t be complete. Samples k will not begin until any	Matrix Codes	s Samples From		m	Report / EDD Type (circle selections)			YORK	Reg. Comp.
questions by YORK are resolved.		S - soil / solid	New York		X	Summary Report	CT RCP	Compared to the following Regulation(s) (please film)		
MikeRciff		GW - groundwater	ater New Jersey			QA Report	CT RCP DQA/DUE EQuIS (Standard)			
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APPENDIX F

SITE-WIDE INSPECTION FORM **DELUXE CORPORATION** FORMER CHECK PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

NYSDEC SITE #V00339-7 VCA #A7-0419-0005

Site Owner:	QMC Group
Site Use Limited to Industrial and/or Commercial	Yes, verified on October 22, 2019.
Use of On-Site Groundwater	No, site supplied with public water.
Declaration of Covenants & Restrictions on Record with Onandaga County:	Yes, verified on October 22, 2019.
Condition of Onsite Monitor Wells:	Monitor wells in good condition, with the exception of monitor well 4A well pad. This well pad was in very poor condition and was replaced on November 4, 2019.

Inspected By:

(signature)

Michael Reiff (print name)

10/23/19

(date)

APPENDIX G

ANNUAL CERTIFICATION OF ENGINEERING AND INSTITUTIONAL CONTROLS NYSDEC SITE #V-00339-7 FORMER DELUXE PRINTING FACILITY 4707 DEY ROAD LIVERPOOL, NEW YORK

October 10, 2018 through December 31, 2020

As described and required by the Site Management Plan, and as a Qualified Environmental Professional (QEP), I certify that all of the following statements are true:

- The inspection of the Site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under my direction;
- The control employed is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment; groundwater monitoring is temporarily suspended pending written NYSDEC approval;
- Nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control;
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- Use of the Site is compliant with the Declaration of Covenants and Restrictions recorded with the Onondaga County Clerk's office;
- The engineering control systems are performing as designed and are effective;
- To the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the Site remedial program and generally accepted engineering practices;
- The information presented in the Periodic Review Report is accurate and complete; and,
- No new information has come to my attention, including groundwater monitoring data from wells located at the Site boundary, if any, to indicate that the assumptions made in the qualitative exposure assessment of offsite contamination are no longer valid.

I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Jorma Weber, P.G. of WSP, 4 Westchester Park Drive, Suite 175, White Plains, New York, 10604, am certifying as the Deluxe Corporation Designated Site Representative that all of the above statements are true.

Jorma Weber, P.G.

Date: January 3, 2020