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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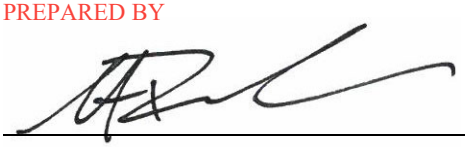
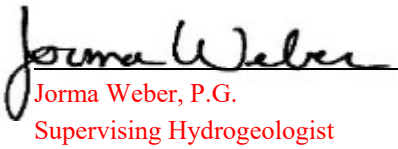
SIGNATURES

PREPARED BY



Michael Reiff, P.G.
Assistant Project Hydrogeologist

REVIEWED BY



Jorma Weber, P.G.
Supervising Hydrogeologist

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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 that remains at the Site. The SMP provides a detailed description of all procedures required to manage residual contamination at the Site during and after completion of remedial action (monitored natural attenuation of groundwater 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
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TABLES

TABLE 1

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 (feet) [1]	Total Depth (feet)	Depth to Water (ft btoc) [2]	Groundwater Elevation (feet)	Conductivity (S/m) [3]	Temperature (°C)	pH	Turbidity (NTU) [4]	Dissolved Oxygen (mg/l) [5]	ORP [6] (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	9..52	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

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Well ID	Date	Top of Casing Elevation (feet) [1]	Total Depth (feet)	Depth to Water (ft btoc) [2]	Groundwater Elevation (feet)	Conductivity (S/m) [3]	Temperature (°C)	pH	Turbidity (NTU) [4]	Dissolved Oxygen (mg/l) [5]	ORP [6] (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

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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

TABLE 1

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 (feet) [1]	Total Depth (feet)	Depth to Water (ft btoc) [2]	Groundwater Elevation (feet)	Conductivity (S/m) [3]	Temperature (°C)	pH	Turbidity (NTU) [4]	Dissolved Oxygen (mg/l) [5]	ORP [6] (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

TABLE 1

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 (feet) [1]	Total Depth (feet)	Depth to Water (ft btoc) [2]	Groundwater Elevation (feet)	Conductivity (S/m) [3]	Temperature (°C)	pH	Turbidity (NTU) [4]	Dissolved Oxygen (mg/l) [5]	ORP [6] (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

TABLE 1

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 (feet) [1]	Total Depth (feet)	Depth to Water (ft btoc) [2]	Groundwater Elevation (feet)	Conductivity (S/m) [3]	Temperature (°C)	pH	Turbidity (NTU) [4]	Dissolved Oxygen (mg/l) [5]	ORP [6] (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

TABLE 2.1

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
	10/16/03	10	ND	3	49	ND	ND	360	140	ND
	04/23/13	ND	ND	ND	40	ND	ND	740	300	ND
	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
	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	ND	2	ND	ND	25	8	ND
	04/30/03	3	4	2	ND	ND	ND	10	1	ND
	09/24/03	4	3	2	ND	ND	ND	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
	01/23/14	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	0.8	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
	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
NYSDEC 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
Exceeds NYSDEC GWQS

TABLE 2.2

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
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
Exceeds NYSDEC GWQS

TABLE 2.3

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
3 A	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
	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
3 B	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
	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
3 C	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
	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
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
Exceeds NYSDEC GWQS

TABLE 2.4

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
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
Exceeds NYSDEC GWQS

TABLE 2.5

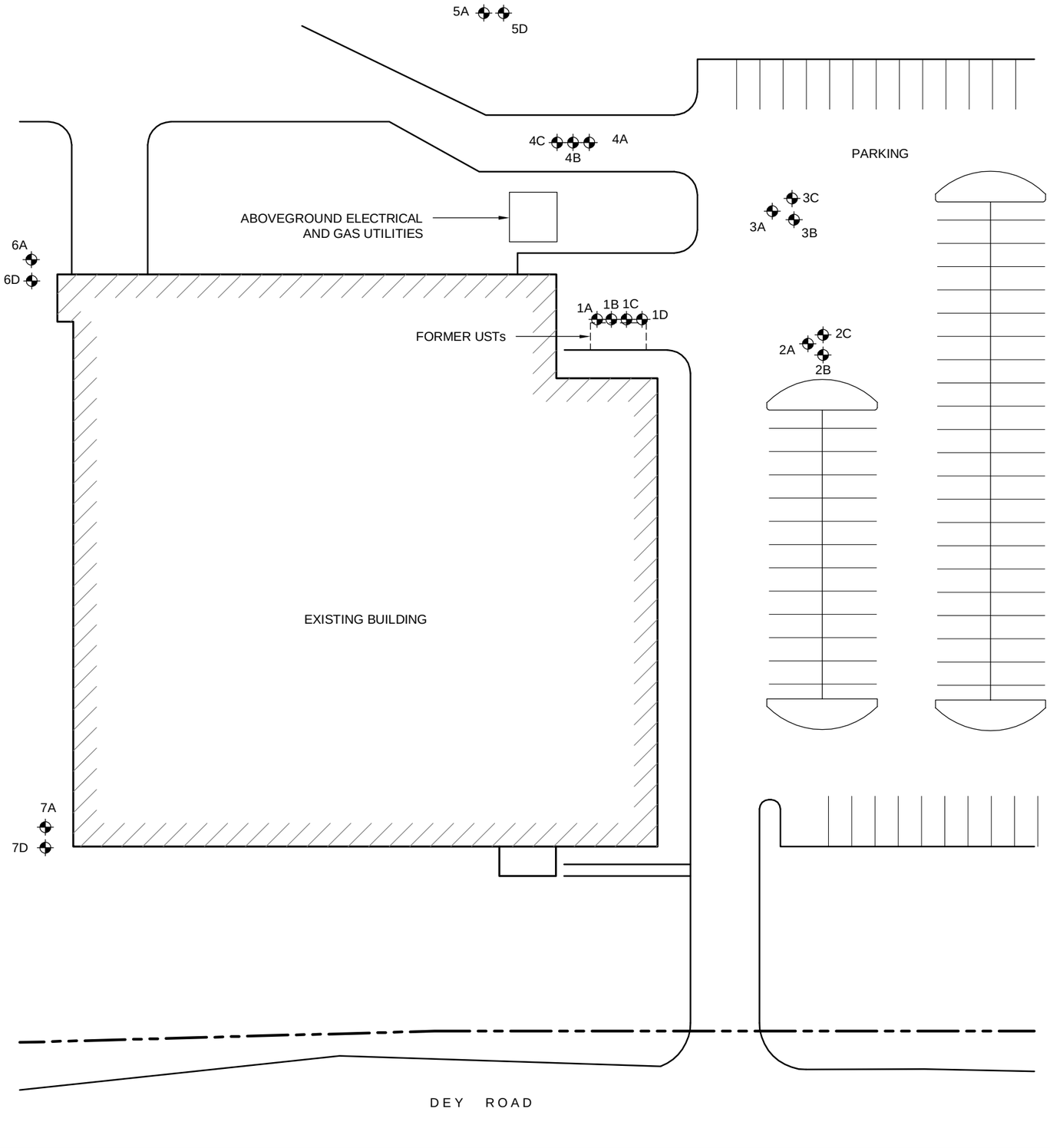
DELUXE CORPORATION
FORMER CHECK PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

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

Well ID	Date 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
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
	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	ND	ND	ND	ND	ND	ND	ND
	10/07/14	ND	ND	ND	ND	0.31 J	ND	ND
	07/22/15	ND	ND	ND	ND	0.30 J	ND	ND
	04/27/16	ND	ND	ND	ND	0.30 J	ND	ND
	01/18/17	ND	ND	ND	ND	0.30 J	ND	ND
	10/04/17	ND	ND	ND	ND	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
	10/04/17	ND	ND	ND	ND	ND	ND	ND
	07/25/18	ND	ND	ND	ND	ND	ND	ND
7A	09/25/03	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	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
Exceeds NYSDEC GWQS

FIGURES



0 40

SCALE IN FEET

LEGEND

PROPERTY LINE

1A MONITOR WELL IDENTIFICATION AND LOCATION

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

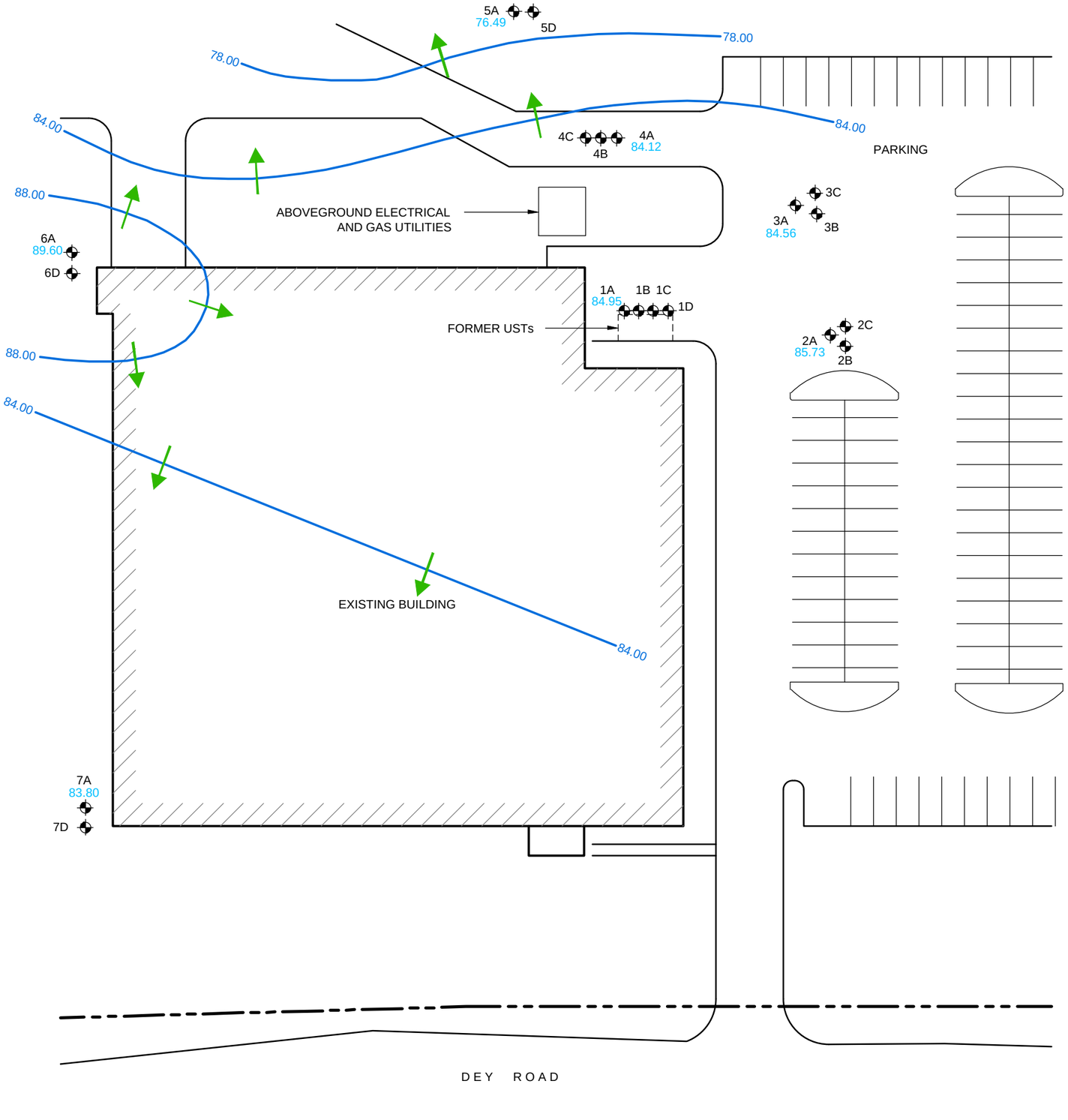
SITE PLAN

DATE	REVISED

PREPARED BY:

WSP USA
4 Westchester Park Drive
Suite 175
White Plains, New York 10604
(914) 694-5711

DRAWN:	RAC	CHECKED:	JW	DATE:	12/06/18	FIGURE:	1



LEGEND

- PROPERTY LINE
- 1A — MONITOR WELL IDENTIFICATION AND LOCATION
- 84.95 — GROUNDWATER ELEVATION IN FEET
- 88.00 — GROUNDWATER ELEVATION CONTOUR (FEET) (DASHED WHERE INFERRED)
- DIRECTION OF GROUNDWATER FLOW

0 40

SCALE IN FEET

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

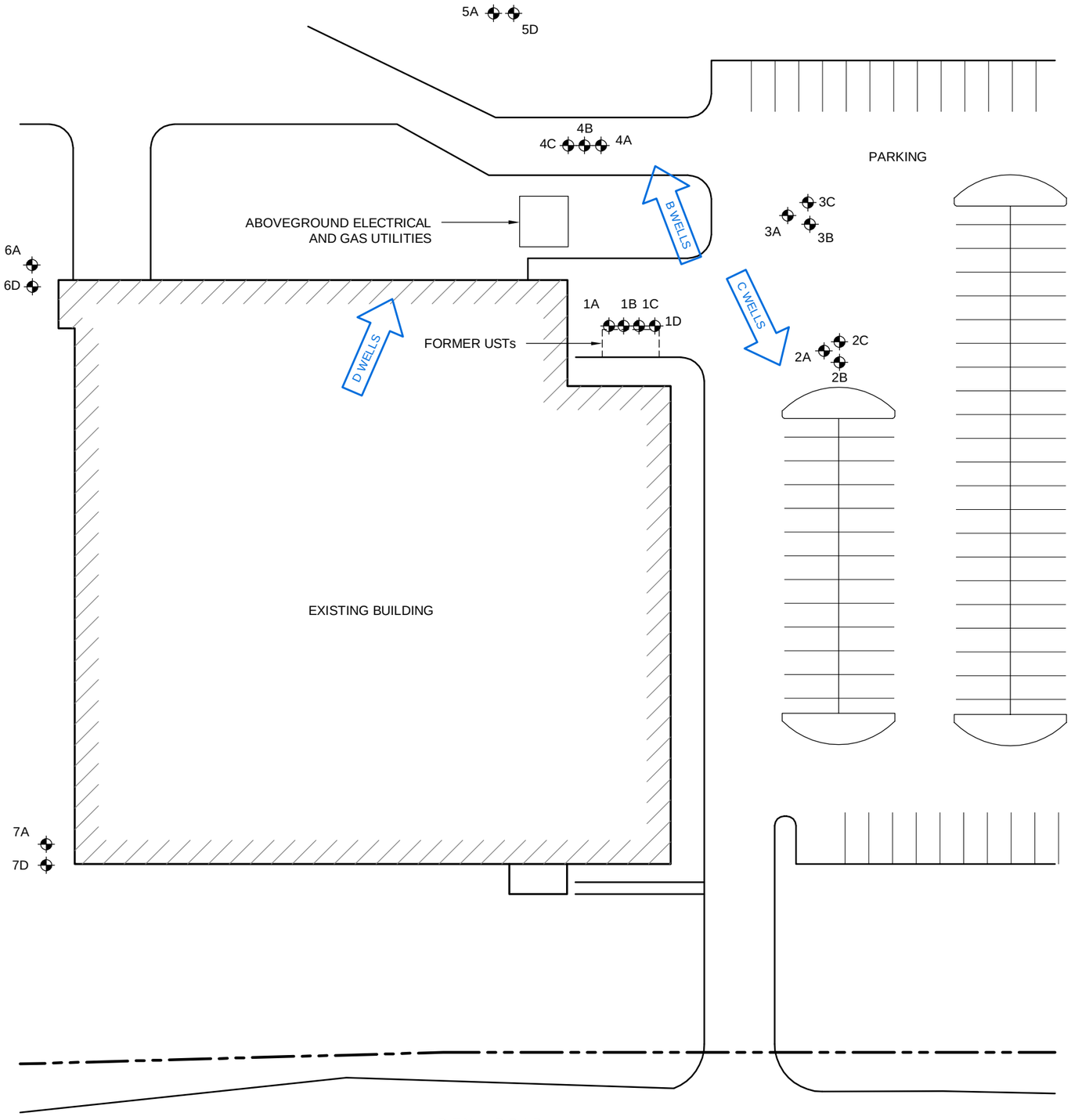
GROUNDWATER ELEVATION CONTOUR MAP FOR SHALLOW "A" WELLS - JULY 24, 2018

DATE	REVISED

PREPARED BY:

WSP USA
4 Westchester Park Drive
Suite 175
White Plains, New York 10604
(914) 694-5711

DRAWN:	RAC	CHECKED:	MR	DATE:	11/02/18	FIGURE:	2



LEGEND

PROPERTY LINE

MONITOR WELL IDENTIFICATION AND LOCATION

1A

B WELLS

DIRECTION OF GROUNDWATER FLOW

0 40

SCALE IN FEET

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 BY:

WSP USA
4 Westchester Park Drive
Suite 175
White Plains, New York 10604
(914) 694-5711

DRAWN:	RAC	CHECKED:	JW	DATE:	12/06/18	FIGURE:	3

APPENDICES

(ON ATTACHED C.D.)

APPENDIX A

APPENDIX A

DECLARATION of COVENANTS and RESTRICTIONS

THIS DECLARATION of COVENANTS and RESTRICTIONS is made the 28th 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 rerecorded 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. KENNEDY CORP.

By: Richard Roehm

Print Name: RICHARD ROEHM

Title: GM Date: 12/28/11

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

By: T D. Pet

Print Name: Terry D. Peterson

Title: CFO + SVP Date: 12-19-2011

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

On the 28th day of December, in the year 2011, before me, the undersigned, personally appeared Richard Roehm, 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.

Sharon H Ross

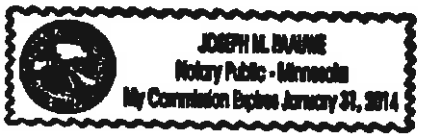
Notary Public State of New York

Sharon H. Ross
Notary Public in the State of New York
Qualified in Onondaga County
#01R06021308
My Commission Expires on March 15, 2015

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

On the 19th day of December, in the year 2011, before me, the undersigned, personally appeared Ivory D. Peterson, 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 Minnesota



JUN 27 2012

APPENDIX A

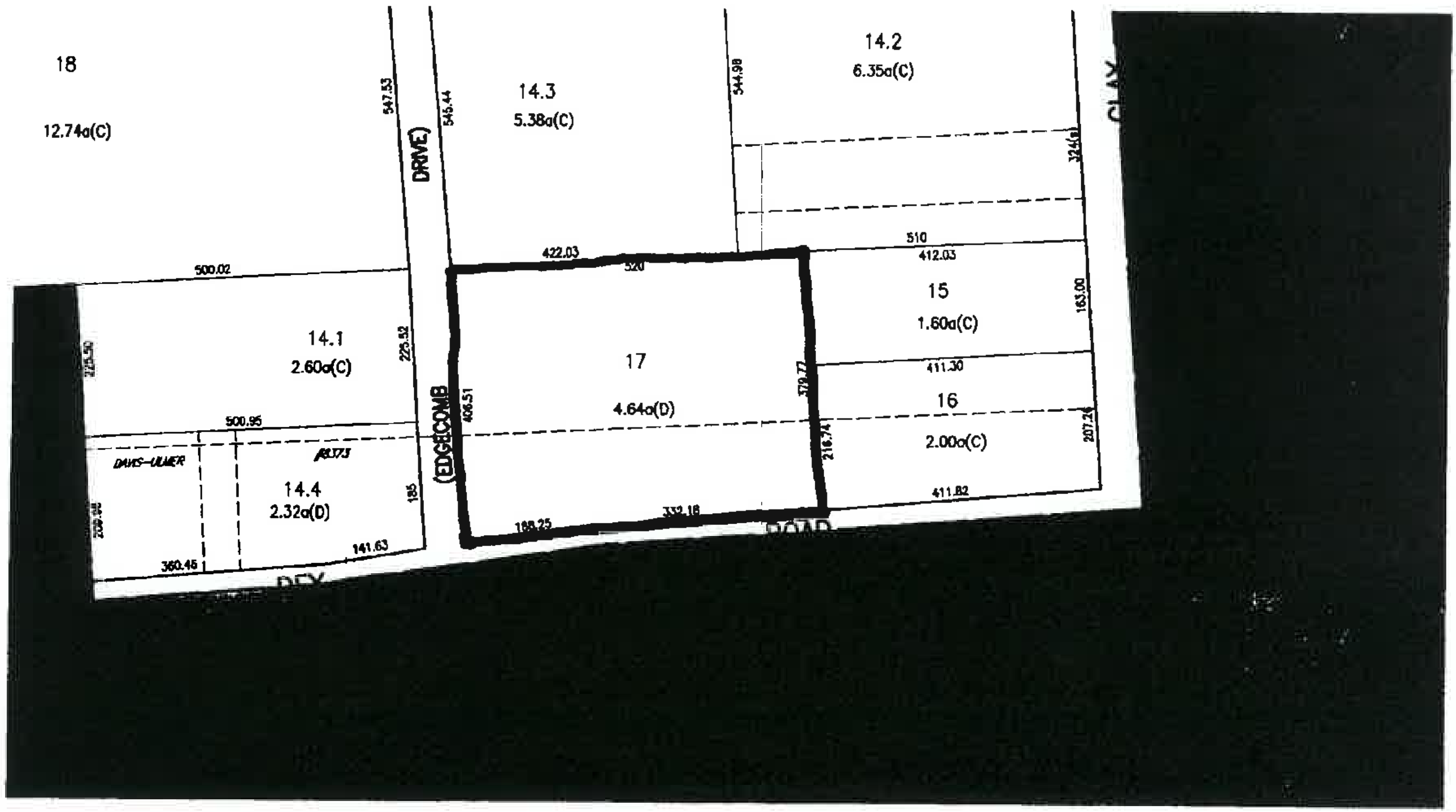
Metes and Bounds Description of the Controlled Property
from Schedule "A" to Deed dated December 29, 1999,
and recorded in Onondaga County Deeds Liber 4383, page 287 on January 3, 2000

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.

APPENDIX B

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


18
12.74a(C)
14.3
5.38a(C)
14.2
6.35a(C)
14.1
2.60a(C)
14.4
2.32a(D)
DAVIS-ULMER
17
4.64a(D)
15
1.60a(C)
16
2.00a(C)
(EDGECOMB
DRIVE)
547.53
545.44
544.98
324(s)
510
422.03
520
412.03
500.02
225.50
225.52
500.95
406.51
379.77
411.30
218.74
207.26
163.00
185
209.98
360.45
141.63
188.25
332.18
411.82

APPENDIX B

WSP USA

4 Westchester Park Drive, Suite 175
White Plains, New York 10604
(914) 694-5711

Client: Deluxe
Location: 4707 Dey Rd Liverpool, NY
Date: 7/24/18 + 7/25/18
Professional: MR
Weather/Comments: 80° RAIN

Field DUP: 4A MS/MSD = 4C

Well Identification	Time Gauged 7/24/18	Depth to Product (ft btoc)	Depth to Groundwater (ft btoc)	Product Thickness (ft)	Total Depth (ft btoc)	GW Evacuated calc/actual (gallons)	FIELD PARAMETERS pH	Conductivity (mS/cm)	Turbidity NTU	DO (mg/l)	Temp (C)	ORP (mV)	Time Sampled
1A	0725	—	13.83	—	20.15	12.3 12 4"	9.40	1.57	103	9.52	17.36	19	1130
1B	0735	—	39.62	—	40.35	NS	—	—	—	—	—	—	NS 7/25
1C	0738	—	49.03	—	60.40	40 40	8.48	1.93	0	8.37	16.33	32	1250
1D	0740	—	44.32	/	109.50	— 25Dry	12 39	3.12	0	2.50	16.88	-84	1450
2A	0750	—	13.00	—	20.10	3.4 3.5 2"	7.31	.303	842	7.92	22.80	88	1040
2B	0752	—	39.92	—	40.15	—	—	—	—	—	—	—	NS
2C	0753	—	49.53	—	61.00	5.5 6	6.66	1.56	361	1348	1858	123	1100
3A	0800	—	13.75	—	20.00	3 3	7.12	.859	0	16.04	19.70	46	1200
3B	0803	—	39.90	—	40.10	—	—	—	—	—	—	—	NS
3C	0805	—	48.56	—	60.30	5.6 6	7.46	1.99	157	14.41	17.48	22	1240
4A	0815	—	12.78	—	20.00	3.4 3.5	7.80	1.14	0	6.73	17.86	5.6	1345
4B	0823	—	38.61	—	40.00	NS	—	—	—	—	—	—	NS
4C	0825	—	46.75	—	62.25	7.4 7.5	7.32	1.89	854	6.28	16.80	60	1445
5A	0840	—	20.03	—	22.55	1.2 1.5 2"	8.19	0.711	701	15.89	17.30	38	1530
5D	0842		55.17	—	112.00	— 40 4"	11.86	9.63	18.9	6.81	16.51	-77	1645
6A	0900	—	13.13	—	22.50	4.49 4.5	10.04	0.537	28.2	6.02	18.56	-25	0850 7/25
6D	0902	—	51.83	—	112.50	— 20	10.46	4.90	0	16.81	16.64	-18	1050 7/25
7A	0920	—	22.51	—	22.55	—	—	—	—	—	—	—	NS
7D	0921	—	56.80	—	112.10	— 20	10.46	4.13	18.1	6.60	17.48	-184	7/25 0800
MS/MSD	=	4C	7/24/18		—	—	—	—	—	—	—	—	1445
FD	=	4A	7/24/18		—	—	—	—	—	—	—	—	~~1345~~ Not Use
FB	=	7/25/18	1500										
TB													

APPENDIX C

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

Please print or type

BILL OF LADING

Generator EPA ID #

1. Document No. SYR17176 | 2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
WSP USA
4 WESTCHESTER PARK DRIVE, SUITE 175
WHITE PLAINS NY 10605

4. Generator's Phone (914) 329-1392

Site Address
4707 DEY ROAD
LIVERPOOL NY 13088

5. Transporter 1 Company Name: ENVIRONMENTAL PROD & SVCS OF VT, INC
6. EPA ID #: NYR000115733

A. State Transporter's ID: 93866 MG (NY)
B. Transporter 1 Phone: 800 843-8265

7. Transporter 2 Company Name:
8. EPA ID #:

C. State Transporter's ID:
D. Transporter 2 Phone:

9. Designated Facility Name and Site Address
ENVIRONMENTAL PROD & SVCS OF VT, INC
532 STATE FAIR BLVD.
SYRACUSE NY 13204
HM

10. EPA ID #: NYR000115733

E. State Facility's ID:
F. Facility's Phone: 800 843-8265

	11. Shipping Name	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
	a. NON-RCRA, NON-DOT, LIQUIDS, N.O.S. (TRACE ORGANICS CONTAMINATED WATER)	4	DM	185	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

a. APP :# 0718165-OT, 4 X 55 GAL
c. JOB #N18024
b.
d.

15. Special Handling Instructions and Additional Information
1)

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulation of the Department of Transportation. The materials described on this document are not subject to federal uniform hazardous waste manifest requirements.

Printed/Typed Name: Mike Reiff, As Agent for Deluxe Inc
Signature:
Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Anthony Woolson
Signature: Anthony Woolson
Date: Month 07 Day 26 Year 18

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

Printed/Typed Name: CHAD GRAHAM
Signature:
Date: Month 7 Day 26 Year 18

BILL OF LADING

APPENDIX D

APPENDIX E

PREMIER ENVIRONMENTAL SERVICES, INC.

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

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).

ORGANIC DATA ASSESSMENT

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	OK
	cis 1,3-Dichloropropene	Low/Low	OK
	Tetrachloroethene	Low/Low	OK
	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.

ORGANIC DATA ASSESSMENT

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.

ORGANIC DATA ASSESSMENT

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 EPA Method and 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.

ORGANIC DATA ASSESSMENT

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 (20.52%), 1,1-Dichloroethene (20.55%), 1,2,3-Trichlorobenzene (26.84%), 1,2,3-Trichloropropane (25.31%), 1,2,4-Trichlorobenzene (28.17%), 1,2-Dibromoethane (21.9%), 1,2-Dichloroethane (25.92%), 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.

ORGANIC DATA ASSESSMENT

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.

ORGANIC DATA ASSESSMENT

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
4C	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

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

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

1A

Laboratory:	York Analytical Laboratories, Inc.		SDG:	18G1276	
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXLVP.00	
Matrix:	Water	Laboratory ID:	18G1276-01	File ID:	QV608296.D
Sampled:	07/25/18 11:30	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 20:54
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.23	J	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 (Freon 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	J
75-35-4	1,1-Dichloroethylene	1	0.50	U	UJ
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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	5.2		J
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	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	U	
75-00-3	Chloroethane	1	0.50	U	UJ
67-66-3	Chloroform	1	1.5		
74-87-3	Chloromethane	1	0.50	U	UJ
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	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

1A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-01	File ID:	QV608296.D
Sampled:	07/25/18 11:30	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 20:54
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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
108-88-3	Toluene	1	0.50	U	
156-60-5	trans-1,2-Dichloroethylene	1	0.32	J	
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	120		
75-69-4	Trichlorofluoromethane	1	0.50	U	
75-01-4	Vinyl Chloride	1	0.42	J	J
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	10.4	104	69 - 130	
Toluene-d8	10.0	9.37	93.7	81 - 117	
p-Bromofluorobenzene	10.0	10.8	108	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	122583	6.111	130881	6.109	
Chlorobenzene-d5	460086	9.172	477558	9.166	
1,2-Dichlorobenzene-d4	174499	12.157	170011	12.154	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

1A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-01RE1	File ID:	QV608207.D
Sampled:	07/25/18 11:30	Prepared:	08/03/18 06:00	Analyzed:	08/03/18 11:05
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80203	Sequence:	Y8H0619	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
127-18-4	Tetrachloroethylene	5	110	D

J

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	9.90	99.0	69 - 130	
Toluene-d8	10.0	9.51	95.1	81 - 117	
p-Bromofluorobenzene	10.0	11.4	114	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	146216	6.109	145212	6.109	
Chlorobenzene-d5	538381	9.166	544919	9.169	
1,2-Dichlorobenzene-d4	175718	12.154	197536	12.152	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

1C

Laboratory:	York Analytical Laboratories, Inc.		SDG:	18G1276	
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXLVP.00	
Matrix:	Water	Laboratory ID:	18G1276-02	File ID:	QV608284.D
Sampled:	07/25/18 12:50	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 15:04
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021	Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.57		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 (Freon 113)	1	0.50	U	
79-00-5	1,1,2-Trichloroethane	1	0.50	U	UJ
75-34-3	1,1-Dichloroethane	1	0.89		J
75-35-4	1,1-Dichloroethylene	1	0.82		J
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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	2.0	U	UJ
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	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	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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

1C

Laboratory: York Analytical Laboratories, Inc. SDG: 18G1276

Client: WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00

Matrix: Water Laboratory ID: 18G1276-02 File ID: QV608284.D

Sampled: 07/25/18 12:50 Prepared: 08/06/18 08:00 Analyzed: 08/06/18 15:04

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BH80208 Sequence: Y8H0632 Calibration: YG80021 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	UJ
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	UJ
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	9.77	97.7	69 - 130	
Toluene-d8	10.0	9.81	98.1	81 - 117	
p-Bromofluorobenzene	10.0	11.0	110	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	132974	6.109	130881	6.109	
Chlorobenzene-d5	481547	9.169	477558	9.166	
1,2-Dichlorobenzene-d4	163106	12.157	170011	12.154	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

1D

Laboratory: York Analytical Laboratories, Inc. SDG: 18G1276

Client: WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00

Matrix: Water Laboratory ID: 18G1276-03 File ID: QV608285.D

Sampled: 07/25/18 14:50 Prepared: 08/06/18 08:00 Analyzed: 08/06/18 15:31

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BH80208 Sequence: Y8H0632 Calibration: YG80021 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.53		J
67-64-1	Acetone	1	13		J
107-02-8	Acrolein	1	0.50	U	UJ
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	
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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

1D

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-03	File ID:	QV608285.D
Sampled:	07/25/18 14:50	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 15:31
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	UJ
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	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 MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
Toluene-d8	10.0	9.65	96.5	81 - 117	
p-Bromofluorobenzene	10.0	11.9	119	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	130425	6.112	130881	6.109	
Chlorobenzene-d5	486570	9.169	477558	9.166	
1,2-Dichlorobenzene-d4	163034	12.157	170011	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

2A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-04	File ID:	QV608286.D
Sampled:	07/24/18 10:40	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 15:59
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
				Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	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	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	UJ
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	UJ
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	UJ
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	0.44	J	J
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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

2A

Laboratory: York Analytical Laboratories, Inc. SDG: 18G1276

Client: WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00

Matrix: Water Laboratory ID: 18G1276-04 File ID: QV608286.D

Sampled: 07/24/18 10:40 Prepared: 08/06/18 08:00 Analyzed: 08/06/18 15:59

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BH80208 Sequence: Y8H0632 Calibration: YG80021 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	UJ
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	UJ
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	10.1	101	69 - 130	
Toluene-d8	10.0	9.53	95.3	81 - 117	
p-Bromofluorobenzene	10.0	11.3	113	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	129659	6.111	130881	6.109	
Chlorobenzene-d5	486665	9.169	477558	9.166	
1,2-Dichlorobenzene-d4	162540	12.16	170011	12.154	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

2C

Laboratory:	York Analytical Laboratories, Inc.		SDG:	18G1276	
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXLVP.00	
Matrix:	Water	Laboratory ID:	18G1276-05	File ID:	QV608287.D
Sampled:	07/24/18 11:00	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 16:28
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021	Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (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		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 (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		J
75-35-4	1,1-Dichloroethylene	1	1.1		J
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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	2.0	U	UJ
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	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	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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

2C

Laboratory: York Analytical Laboratories, Inc. SDG: 18G1276

Client: WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00

Matrix: Water Laboratory ID: 18G1276-05 File ID: QV608287.D

Sampled: 07/24/18 11:00 Prepared: 08/06/18 08:00 Analyzed: 08/06/18 16:28

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BH80208 Sequence: Y8H0632 Calibration: YG80021 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	UJ
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	UJ
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	10.1	101	69 - 130	
Toluene-d8	10.0	9.35	93.5	81 - 117	
p-Bromofluorobenzene	10.0	11.0	110	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	131168	6.109	130881	6.109	
Chlorobenzene-d5	510201	9.169	477558	9.166	
1,2-Dichlorobenzene-d4	166793	12.16	170011	12.154	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

3A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-06	File ID:	QV608288.D
Sampled:	07/24/18 12:00	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 16:56
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	2.0	U	UJ
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	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	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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

3A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-06	File ID:	QV608288.D
Sampled:	07/24/18 12:00	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 16:56
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	0.22	J	J
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	UJ
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	10.3	103	69 - 130	
Toluene-d8	10.0	9.08	90.8	81 - 117	
p-Bromofluorobenzene	10.0	10.8	108	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	122428	6.114	130881	6.109	
Chlorobenzene-d5	492785	9.169	477558	9.166	
1,2-Dichlorobenzene-d4	174215	12.16	170011	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

3C

Laboratory:	York Analytical Laboratories, Inc.		SDG:	18G1276	
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXLVP.00	
Matrix:	Water	Laboratory ID:	18G1276-07	File ID:	QV608289.D
Sampled:	07/24/18 12:40	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 17:25
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (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		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 (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		J
75-35-4	1,1-Dichloroethylene	1	0.98		J
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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	2.0	U	UJ
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	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	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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

3C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-07	File ID:	QV608289.D
Sampled:	07/24/18 12:40	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 17:25
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021	Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	UJ
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	UJ
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	10.3	103	69 - 130	
Toluene-d8	10.0	9.50	95.0	81 - 117	
p-Bromofluorobenzene	10.0	11.2	112	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	128142	6.114	130881	6.109	
Chlorobenzene-d5	492283	9.169	477558	9.166	
1,2-Dichlorobenzene-d4	162662	12.157	170011	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

4A

Laboratory:	York Analytical Laboratories, Inc.		SDG:	18G1276	
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXLVP.00	
Matrix:	Water	Laboratory ID:	18G1276-08	File ID:	QV608290.D
Sampled:	07/24/18 13:45	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 17:54
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.83		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 (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	0.33	J	J
75-35-4	1,1-Dichloroethylene	1	0.50	U	UJ
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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	2.0	U	UJ
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	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	
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-Dichloroethylene	1	3.2		J
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

4A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-08	File ID:	QV608290.D
Sampled:	07/24/18 13:45	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 17:54
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	13		J
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	2.5		
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 MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.6	106	69 - 130	
Toluene-d8	10.0	9.22	92.2	81 - 117	
p-Bromofluorobenzene	10.0	10.9	109	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	129402	6.109	130881	6.109	
Chlorobenzene-d5	513924	9.169	477558	9.166	
1,2-Dichlorobenzene-d4	171888	12.157	170011	12.154	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

4C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-09	File ID:	QV608305.D
Sampled:	07/24/18 14:45	Prepared:	08/06/18 14:00	Analyzed:	08/07/18 01:00
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80266	Sequence:	Y8H0724	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (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		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 (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		J
75-35-4	1,1-Dichloroethylene	1	1.1		J
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	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	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-pentanone	1	0.50	U	UJ
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	Bromochloromethane	1	0.50	U	
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	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	
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	

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

4C

Laboratory: York Analytical Laboratories, Inc. SDG: 18G1276

Client: WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00

Matrix: Water Laboratory ID: 18G1276-09 File ID: QV608305.D

Sampled: 07/24/18 14:45 Prepared: 08/06/18 14:00 Analyzed: 08/07/18 01:00

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BH80266 Sequence: Y8H0724 Calibration: YG80021 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U	
108-87-2	Methylcyclohexane	1	0.50	U	
75-09-2	Methylene chloride	1	2.0	U	UJ
104-51-8	n-Butylbenzene	1	0.50	U	UJ
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-Isopropyltoluene	1	0.50	U	
135-98-8	sec-Butylbenzene	1	0.50	U	
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	UJ
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	UJ
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	10.8	108	69 - 130	
Toluene-d8	10.0	9.20	92.0	81 - 117	
p-Bromofluorobenzene	10.0	10.7	107	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	115855	6.114	125380	6.114	
Chlorobenzene-d5	468230	9.172	483296	9.172	
1,2-Dichlorobenzene-d4	162061	12.157	186086	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

5A

Laboratory: York Analytical Laboratories, Inc. SDG: 18G1276

Client: WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00

Matrix: Water Laboratory ID: 18G1276-10 File ID: QV608291.D

Sampled: 07/24/18 15:30 Prepared: 08/06/18 08:00 Analyzed: 08/06/18 18:22

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BH80208 Sequence: Y8H0632 Calibration: YG80021 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.51		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 (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	0.56		J
75-35-4	1,1-Dichloroethylene	1	0.50	U	UJ
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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	3.2		J
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	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	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-Dichloroethylene	1	0.65		
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

5A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-10	File ID:	QV608291.D
Sampled:	07/24/18 15:30	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 18:22
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021	Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	11		J
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	1.4		
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 MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.5	105	69 - 130	
Toluene-d8	10.0	9.23	92.3	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	127171	6.114	130881	6.109	
Chlorobenzene-d5	480182	9.172	477558	9.166	
1,2-Dichlorobenzene-d4	183935	12.157	170011	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

5D

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-11	File ID:	QV608292.D
Sampled:	07/24/18 16:45	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 18:51
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	7.2		J
107-02-8	Acrolein	1	0.50	U	UJ
107-13-1	Acrylonitrile	1	0.50	U	
71-43-2	Benzene	1	0.24	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	
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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

5D

Laboratory: York Analytical Laboratories, Inc. SDG: 18G1276

Client: WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00

Matrix: Water Laboratory ID: 18G1276-11 File ID: QV608292.D

Sampled: 07/24/18 16:45 Prepared: 08/06/18 08:00 Analyzed: 08/06/18 18:51

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BH80208 Sequence: Y8H0632 Calibration: YG80021 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	UJ
108-88-3	Toluene	1	0.23	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 MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.6	106	69 - 130	
Toluene-d8	10.0	9.85	98.5	81 - 117	
p-Bromofluorobenzene	10.0	10.7	107	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	128008	6.114	130881	6.109	
Chlorobenzene-d5	472895	9.169	477558	9.166	
1,2-Dichlorobenzene-d4	175603	12.157	170011	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

6A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-12	File ID:	QV608293.D
Sampled:	07/25/18 08:50	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 19:20
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021	Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	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	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	UJ
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	UJ
108-10-1	4-Methyl-2-pentanone	1	0.81		J
67-64-1	Acetone	1	16		J
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	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	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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

6A

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-12	File ID:	QV608293.D
Sampled:	07/25/18 08:50	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 19:20
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021	Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	2.2		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	
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 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	
1,2-Dichlorobenzene-d4	181126	12.157	170011	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

6D

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-13	File ID:	QV608295.D
Sampled:	07/25/18 10:50	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 20:18
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	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	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	UJ
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	3.3		R
591-78-6	2-Hexanone	1	0.50	U	UJ
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	9.2		J
107-02-8	Acrolein	1	0.50	U	UJ
107-13-1	Acrylonitrile	1	0.50	U	
71-43-2	Benzene	1	0.65		
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	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-Dichloroethylene	1	0.50	U	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

6D

Laboratory:	York Analytical Laboratories, Inc.		SDG:	18G1276	
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXLVP.00	
Matrix:	Water	Laboratory ID:	18G1276-13	File ID:	QV608295.D
Sampled:	07/25/18 10:50	Prepared:	08/06/18 08:00	Analyzed:	08/06/18 20:18
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80208	Sequence:	Y8H0632	Calibration:	YG80021	Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	UJ
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	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	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	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	U	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.5	105	69 - 130	
Toluene-d8	10.0	9.47	94.7	81 - 117	
p-Bromofluorobenzene	10.0	10.8	108	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	122631	6.114	130881	6.109	
Chlorobenzene-d5	461661	9.172	477558	9.166	
1,2-Dichlorobenzene-d4	165570	12.157	170011	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

7D

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-14	File ID:	QV608306.D
Sampled:	07/25/18 08:00	Prepared:	08/06/18 14:00	Analyzed:	08/07/18 01:27
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80266	Sequence:	Y8H0724	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	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	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	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	2.8		R
591-78-6	2-Hexanone	1	0.38	J	
108-10-1	4-Methyl-2-pentanone	1	0.50	U	UJ
67-64-1	Acetone	1	2.5		
107-02-8	Acrolein	1	0.50	U	UJ
107-13-1	Acrylonitrile	1	0.50	U	
71-43-2	Benzene	1	0.83		
74-97-5	Bromochloromethane	1	0.50	U	
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	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	
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	

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

7D

Laboratory:	York Analytical Laboratories, Inc.		SDG:	18G1276	
Client:	WSP USA, Inc. (White Plains)		Project:	770510.DLXLVP.00	
Matrix:	Water	Laboratory ID:	18G1276-14	File ID:	QV608306.D
Sampled:	07/25/18 08:00	Prepared:	08/06/18 14:00	Analyzed:	08/07/18 01:27
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80266	Sequence:	Y8H0724	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U	
108-87-2	Methylcyclohexane	1	0.50	U	
75-09-2	Methylene chloride	1	2.0	U	UJ
104-51-8	n-Butylbenzene	1	0.50	U	UJ
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-Isopropyltoluene	1	0.50	U	
135-98-8	sec-Butylbenzene	1	0.50	U	
100-42-5	Styrene	1	0.50	U	
75-65-0	tert-Butyl alcohol (TBA)	1	4.5		
98-06-6	tert-Butylbenzene	1	0.50	U	
127-18-4	Tetrachloroethylene	1	0.50	U	
108-88-3	Toluene	1	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 MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.4	104	69 - 130	
Toluene-d8	10.0	9.79	97.9	81 - 117	
p-Bromofluorobenzene	10.0	10.5	105	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	127644	6.114	125380	6.114	
Chlorobenzene-d5	465251	9.169	483296	9.172	
1,2-Dichlorobenzene-d4	170939	12.157	186086	12.154	

* Values outside of QC limits

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

Field Duplicate

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-15	File ID:	QV608307.D
Sampled:	07/24/18 15:00	Prepared:	08/06/18 14:00	Analyzed:	08/07/18 01:54
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80266	Sequence:	Y8H0724	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.97		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 (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	0.43	J	J
75-35-4	1,1-Dichloroethylene	1	0.50	U	UJ
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	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	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-pentanone	1	0.50	U	UJ
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	Bromochloromethane	1	0.50	U	
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	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	
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	2.1		J
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

Field Duplicate

Laboratory: York Analytical Laboratories, Inc. SDG: 18G1276

Client: WSP USA, Inc. (White Plains) Project: 770510.DLXLVP.00

Matrix: Water Laboratory ID: 18G1276-15 File ID: QV608307.D

Sampled: 07/24/18 15:00 Prepared: 08/06/18 14:00 Analyzed: 08/07/18 01:54

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BH80266 Sequence: Y8H0724 Calibration: YG80021 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U	
108-87-2	Methylcyclohexane	1	0.50	U	
75-09-2	Methylene chloride	1	2.0	U	UJ
104-51-8	n-Butylbenzene	1	0.50	U	UJ
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-Isopropyltoluene	1	0.50	U	
135-98-8	sec-Butylbenzene	1	0.50	U	
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	19		J
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	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 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	9.07	90.7	81 - 117	
p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	123732	6.114	125380	6.114	
Chlorobenzene-d5	462164	9.172	483296	9.172	
1,2-Dichlorobenzene-d4	172644	12.157	186086	12.154	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

Field Blank

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-16	File ID:	QV608206.D
Sampled:	07/25/18 15:00	Prepared:	08/03/18 06:00	Analyzed:	08/03/18 10:38
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80203	Sequence:	Y8H0619	Calibration:	YG80021	Instrument:	QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	UJ
96-18-4	1,2,3-Trichloropropane	1	0.50	U	UJ
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U	
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	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	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-pentanone	1	0.50	U	UJ
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	Bromochloromethane	1	0.50	U	
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	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	
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	UJ
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	UJ
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

Field Blank

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-16	File ID:	QV608206.D
Sampled:	07/25/18 15:00	Prepared:	08/03/18 06:00	Analyzed:	08/03/18 10:38
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80203	Sequence:	Y8H0619	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	
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-Isopropyltoluene	1	0.50	U	
135-98-8	sec-Butylbenzene	1	0.50	U	
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	
127-18-4	Tetrachloroethylene	1	0.50	U	UJ
108-88-3	Toluene	1	0.50	U	
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U	UJ
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U	UJ
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 MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	10.0	10.3	103	69 - 130	
Toluene-d8	10.0	9.62	96.2	81 - 117	
p-Bromofluorobenzene	10.0	11.6	116	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Fluorobenzene	143185	6.111	145212	6.109	
Chlorobenzene-d5	529243	9.169	544919	9.169	
1,2-Dichlorobenzene-d4	171165	12.152	197536	12.152	

* Values outside of QC limits

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

Trip Blank

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-17	File ID:	QV608205.D
Sampled:	07/25/18 15:00	Prepared:	08/03/18 06:00	Analyzed:	08/03/18 10:11
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80203	Sequence:	Y8H0619	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U	UJ
71-55-6	1,1,1-Trichloroethane	1	0.50	U	UJ
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 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	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	
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	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	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-pentanone	1	0.50	U	UJ
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	Bromochloromethane	1	0.50	U	
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	
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	
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-Dichloroethylene	1	0.50	U	UJ
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U	UJ
110-82-7	Cyclohexane	1	0.50	U	

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

Trip Blank

Laboratory:	York Analytical Laboratories, Inc.			SDG:	18G1276
Client:	WSP USA, Inc. (White Plains)			Project:	770510.DLXLVP.00
Matrix:	Water	Laboratory ID:	18G1276-17	File ID:	QV608205.D
Sampled:	07/25/18 15:00	Prepared:	08/03/18 06:00	Analyzed:	08/03/18 10:11
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BH80203	Sequence:	Y8H0619	Calibration:	YG80021
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q	
124-48-1	Dibromochloromethane	1	0.50	U	
74-95-3	Dibromomethane	1	0.50	U	
75-71-8	Dichlorodifluoromethane	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	U	
79-20-9	Methyl acetate	1	0.50	U	
1634-04-4	Methyl tert-butyl ether (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	
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-Isopropyltoluene	1	0.50	U	
135-98-8	sec-Butylbenzene	1	0.50	U	
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	UJ
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	U	UJ
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	
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	
Chlorobenzene-d5	536547	9.169	544919	9.169	
1,2-Dichlorobenzene-d4	178856	12.152	197536	12.152	

* Values outside of QC limits

APPENDIX C

York Analytical Laboratories, Inc.
120 Research Drive Stratford CT 06615
132-02 89th Ave Queens NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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

YORK Project No. 18G1776

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: USP	Company:	Company:	770510. DLXLVP00	RUSH - Next Day
Address: 4 Westchester Park Dr White Plains, NY	Address: SAME	Address: SAME	YOUR Project Name: Deluxe	RUSH - Two Day
Phone: 914 694 5711	Phone:	Phone:		RUSH - Three Day
Contact: Jorma Weber	Contact:	Contact:		RUSH - Four Day
E-mail: Jorma.Weber@usp.com	E-mail:	E-mail:	YOUR PO#: 770510. DLXLVP00	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by (print your name above and sign below): Mike Reiff

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ; Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other

YORK Reg. Comp.: Compared to the following Regulation(s) (please fill in):

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
1A	GW	7/25/18 1130	8260 FULL LIST	3 VOAs
1C		1250		
1D		1450		
2A		7/24/18 1040		
2C		1100		
3A		1200		
3C		1240		
4A		1345		
4C		1445		
5A		1530		

Comments:

Preservation: (check all that apply) HCl X; MeOH ___; HNO3 ___; H2SO4 ___; NaOH ___; ZnAc ___; Ascorbic Acid ___; Other ___

Special Instruction: Field Filtered ___; Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Mike Reiff	7/31/18 0800		7/31/18 0804		7/31/18 1627
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by / Date/Time	Temp. Received at Lab
				TC Mahl 7/31/18 1627	1.2 degrees C

York Analytical Laboratories, Inc
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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.

YORK Project No. 18G1276

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: WSP	Company:	Company:	770510. DLX LVP.00	RUSH - Next Day
Address: 4 Westchester Park Dr White Plains NY	Address: SAME	Address: SAME	YOUR Project Name: Deluxe	RUSH - Two Day
Phone: 914 694 5711	Phone:	Phone:		RUSH - Three Day
Contact: Jorma Weber	Contact:	Contact:		RUSH - Four Day
E-mail: Jorma.Weber@WSP.com	E-mail:	E-mail:	YOUR PO#: 770510. DLX LVP.00	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Mike Reiff

Samples Collected by (print your name above and sign below)

Matrix Codes: S - soil / solid; GW - groundwater; DW - drinking water; WW - wastewater; O - Oil ; Other

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other

YORK Reg. Comp.: Compared to the following Regulations:

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SD	GW	7/24/18 1645	8260 Full List	3 VOAs
6A		7/25/18 0850		
6D		1050		
7D		0800		
Matrix Spike (MS)		7/24 1445		
Matrix Spike Duplicate (MSD)		1445		
Field Duplicate		—		
Field Blank		7/25/18 1500		
Trip Blank	W	—		2 VOAs

Comments:

Preservation: (check all that apply)
HCl X MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date Time	Samples Received by / Company	Date Time	Samples Relinquished by / Company	Date Time
	7/31/18 1830		7/31/18 1704		7/31
Samples Received by / Company	Date Time	Samples Relinquished by / Company	Date Time	Samples Received by / Company	Date Time
Samples Relinquished by / Company	Date Time	Samples Received by / Company	Date Time	Samples Received in LAB by	Date Time / Temp. Received at Lab
				TC	7/31/18 1627 / 1-2

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

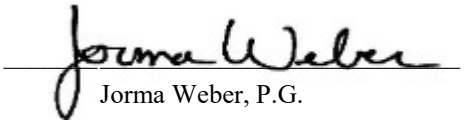
ANNUAL CERTIFICATION OF ENGINEERING AND INSTITUTIONAL CONTROLS
NYSDEC SITE #V-00339-7
FORMER DELUXE PRINTING FACILITY
4707 DEY ROAD
LIVERPOOL, NEW YORK

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