Sent via E-mail

August 14, 2018 Reference No. 11134282

Mr. Michael Squire
Division of Environmental Remediation, Remedial Bureau C
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233

Re: Lot 1 – Former Austin Avenue Landfill BCP Site (Site #C360066)
Semi-Annual Post-Remediation Groundwater Monitoring – Spring 2018

Dear Mr. Squire:

GHD Consulting Services Inc. (GHD) personnel have completed the Spring 2018 semi-annual post-remediation groundwater monitoring activities at the Lot 1 – Former Austin Avenue Landfill Brownfield Cleanup Program (BCP) Site located in the City of Yonkers, Westchester County, New York (Figure 1, BCP Site #C360066), on behalf of Morris Westchester Junior Retail Associates, LLC (MWJRA). The following is a summary of the sampling activities and findings of the spring semi-annual groundwater monitoring event completed in June 2018.

Groundwater Monitoring Well Sampling Methods

One (1) round of groundwater samples was taken from the four (4) Site groundwater monitoring wells (SWR-MW01, SWR-MW03, SWR-MW04, and SWR-MW05) shown on Figure 2, between June 4, 2018 and June 5, 2018. Monitoring well SWR-MW02 is not included in the Site groundwater monitoring requirements and was not sampled.

Prior to purging the monitoring wells, depth to water and total depth of well measurements were taken using an electronic water level meter for use in calculating well volumes and static groundwater elevations. Sampled wells were purged using a stainless steel bladder pump equipped with a Teflon bladder and dedicated polyethylene tubing for each monitoring well. The bladder pump and Teflon bladder were decontaminated between each monitoring well by washing in an Alconox and potable water solution and rinsing with potable water. Purging continued until groundwater field parameters (i.e., temperature, conductivity, dissolved oxygen, pH, oxidation reduction potential, and turbidity) stabilized. Groundwater field parameters were recorded using a multi-parameter water quality meter that was equipped with a flow-through cell.

Following purging, the water quality meter was disconnected, and groundwater samples were taken using the stainless steel bladder pump. Samples were collected directly from the polyethylene tubing into

containers provided by the laboratory, placed in ice-filled coolers, and delivered to Alpha Analytical of Westborough, MA for analysis.

Each groundwater sample was analyzed for:

- Target Compound List (TCL) Semi-Volatile Organic Compounds (SVOCs) by Environmental Protection Agency (EPA) Method 8270D
- Polychlorinated biphenyls (PCBs) by EPA Method 8082A
- Target Analyte List (TAL) metals by EPA Methods 6020A and 7470A.

One (1) blind field duplicate sample and one (1) matrix spike/matrix spike duplicate (MS/MSD) sample were taken for quality control purposes, from SWR-MW03 and SWR-MW05, respectively. Field sampling logs are included as Attachment A. Groundwater monitoring well purge water was discharged to the ground surface in the vicinity of the monitoring well from which it came and allowed to infiltrate, in accordance with NYSDEC-approval.

Groundwater Monitoring Well Sampling Results

A depth to water measurement was taken from each of the groundwater monitoring wells prior to purging (Table 1). This information was used to calculate groundwater elevations, which were used to create groundwater contour figures and infer groundwater flow direction (Figure 3). Based on the calculated groundwater elevations, it was inferred that groundwater flow at the time of sampling was generally to the east, towards Sprain Brook.

Groundwater field parameters were recorded after every 5-minutes of purge using a multi-parameter water quality meter equipped with a flow-through cell (Table 2).

Laboratory analytical results for groundwater samples are compared to the NYSDEC Division of Water Technical and Operations Guidance Series (TOGS) 1.1.1 Class GA ambient water quality standards or guidance values (June 1998 and subsequent addenda) in Table 3. Figure 4 identifies groundwater sample locations and analytes that exceed the Class GA groundwater standards or guidance values. Attachment B includes a copy of the laboratory analytical report. In addition, field measurements and groundwater sample analytical results were uploaded to the NYSDEC's EQuIS database (Attachment C).

Based on the laboratory analytical data, no PCB's were detected above laboratory detection limits in the groundwater samples taken from the four (4) Site monitoring wells, SWR-MW01, SWR-MW03, SWR-MW04, and SWR-MW05 or in the field duplicate sample, taken from SWR-MW03.

No SVOCs were detected above laboratory detection limits in the samples taken from SWR-MW03, SWR-MW04, or SWR-MW05. Three (3) SVOCs, bis(2-ethylhexyl)phthalate, phenanthrene, and pyrene, were detected above laboratory detection limits in the sample taken from monitoring well SWRMW-01. Bis(2-

ethylhexyl)phthalate (16 micrograms per liter [ug/L]) in the sample taken from SWR-MW01 was the only SVOC detected that exceeded Class GA Groundwater Standards or Guidance Values (5 ug/L).

During the June 2018 sampling event, metals were identified at concentrations above laboratory detection limits in each of the samples taken. Of those detected, the following analytes were identified at concentrations that exceed applicable Class GA Groundwater Standards or Guidance Values:

- Antimony – SWR-MW05
- Chromium – SWR-MW01 and SWR-MW04
- Iron – All Samples
- Lead - SWR-MW01
- Magnesium – SWR-MW01, SWR-MW04, and SWR-MW05
- Manganese – SWR-MW01 and SWR-MW04
- Sodium – SWR-MW01, SWR-MW04, and SWR-MW05

Conclusions

The groundwater monitoring well sample analytical results represent groundwater conditions on-Site and near the downgradient boundary of the Site. Based on summary data tables, post-remediation groundwater sample analytical results for this round of sampling for SVOCs and PCBs were similar to the analytical results for the previous six (6) monitoring events and identified very few, or no, impacts.

During the June 2018 sampling event, concentrations of metals were detected in each of the groundwater samples taken, with concentrations of antimony, chromium, iron, lead, magnesium, manganese, and sodium exceeding Class GA Groundwater Standards or Guidance Values in at least one sample analyzed. Iron magnesium, manganese, and sodium are commonly occurring natural elements, and the detected concentrations are similar to those previously detected for total concentrations. In addition to these metals, three (3) analytes, antimony (SWR-MW05), chromium (SWR-MW01 and SWR-MW04), and lead (SWR-MW01), were detected at concentrations that exceeded standards. Identified concentrations of these metals in samples taken from these monitoring wells have not exceeded standards since baseline samples were taken in 2007. The limited occurrence of the detections may be indicative that they are anomalies that may not be associated with groundwater quality trends. In addition, it is noted that the turbidity in these three (3) samples was elevated at the time of sampling, which could contribute to the elevated concentrations identified. Concentrations of these metals will be reviewed further during future monitoring events to determine if a trend is developing or if the exceedances are transient in nature.

In general, the compounds of concern for the Site are metals since SVOCs (except for one occurrence of bis(2-ethylhexyl)phthalate) and PCBs were not detected at concentrations above Class GA groundwater standards or guidance values in the samples taken from the Site groundwater monitoring network. At this

time, the general decreasing trend of metals from pre-remediation concentrations (March 2007) to June 2018 concentrations is the only discernable trend established for groundwater quality at the Site. In June 2018, samples taken from SWR-MW01, SWR-MW03, SWR-MW04, and SWR-MW05 identified metals concentrations that were lower or show generally stabilized results since monitoring was initiated in March 2007, with the exception of the single exceedance of antimony (SWR-MW05):

Laboratory analytical results of groundwater samples taken from the Site will continue to be monitored during future sampling events to assess groundwater quality and identify any discernable trends.

Based on the available data, it is recommended that the groundwater monitoring program be amended by reducing the monitoring requirements as follows:

1. Reduction in the required analytical list to TAL Metals only (i.e., remove SVOC and PCB analysis requirements)
2. Reduction in the frequency of monitoring to annual, with sampling occurring in the spring of each year.

Please acknowledge whether or not NYSDEC agrees with the proposed modifications to the groundwater monitoring program.

Please contact me at 315-679-5732, or Damian Vanetti at 315-679-5838, if you have questions or require additional information.

Sincerely,

GHD CONSULTING SERVICES INC.

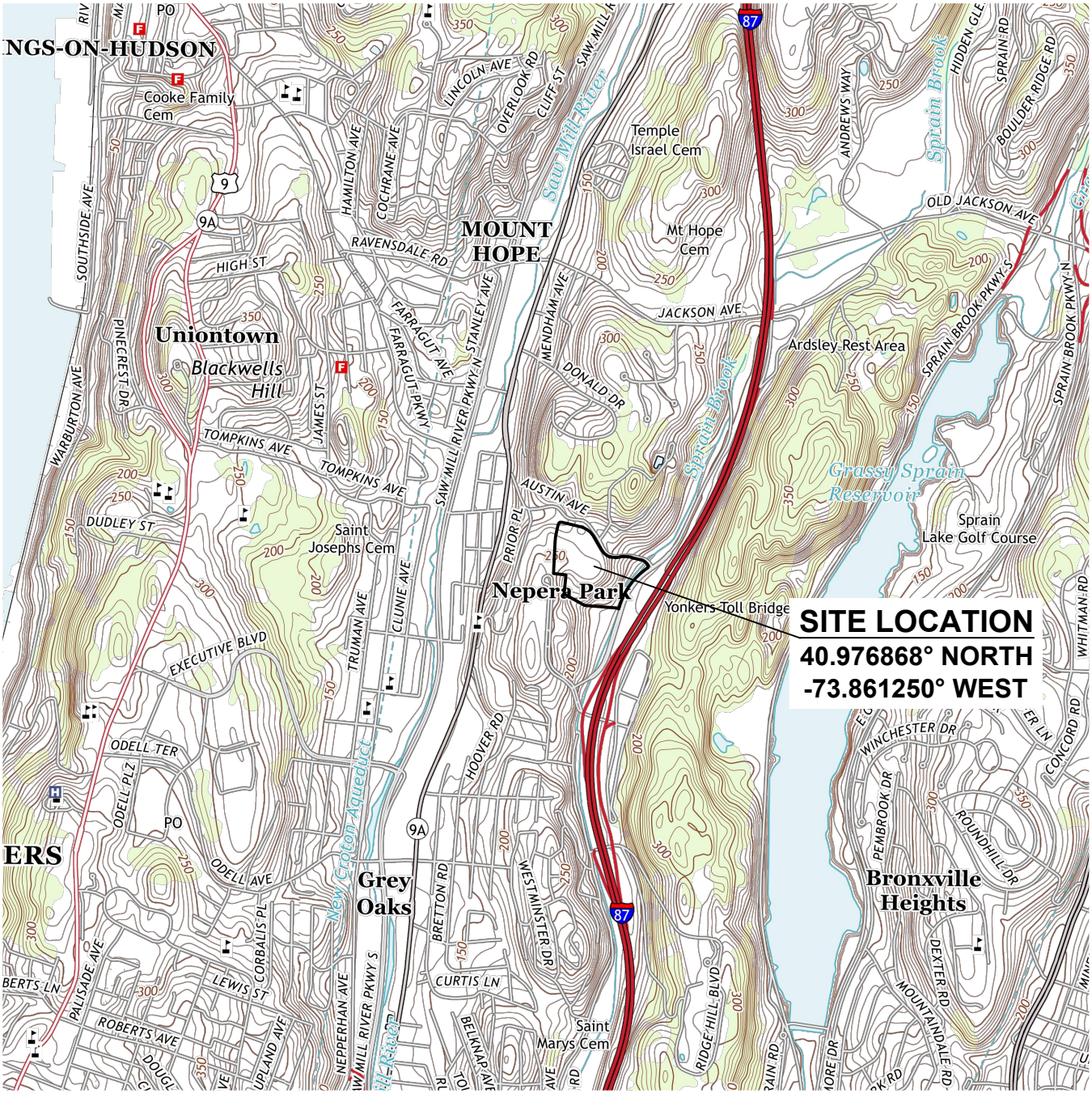
Ian E. McNamara
Scientist III - Environment

IEM

Enclosures:
Figure 1 – Site Location Map
Figure 2 – Site Layout
Figure 3 – Groundwater Elevation and Flow
Figure 4 – Groundwater Analytical Results
Table 1 – Groundwater Elevation Data
Table 2 – Summary of Groundwater Field Parameters
Table 3 – Summary of Groundwater Laboratory Analytical Results
Attachment A – Groundwater Field Sampling Logs
Attachment B – Laboratory Analytical Report
Attachment C – NYSDEC EQuIS Upload Confirmation

cc: Stephen Lawrence, NYSDOH (w/encs)
Maureen Schuck, NYSDOH (w/encs)
Keith Morris (w/encs)
Thomas Gallagher (w/encs)

Figures



CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLES:
MOUNT VERNON, NY (2013) &
YONKERS, NY-NJ (2013)
(U.S. GEOLOGICAL SURVEY WEBSITE)

QUADRANGLE LOCATION

0 1000 2000 3000 4000'

SCALE 1"=2000' AT ORIGINAL SIZE

N

Morris Westchester Junior Retail Associates, LLC
Lot 1 - Austin Avenue Landfill BCP Site
Semi-Annual Groundwater Monitoring
Site Location Map

Job Number 11134282
Revision A
Date 07.25.2018

Figure 1

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5853 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2018 - 1:03 PM Cad File No: G:\111\11134282 Morris Co Lot 1 BCP Site \Groundwater Monitoring\May 2018\Figures\Figure 1 - Site Location.dwg

Property Boundary (Approximate)

Extent of Lot 1 Geotextile Demarcation Layer (Approximate)

SWR-MW01 Groundwater Monitoring Well Location and ID (Approximate)

0 35 70 105 140'

SCALE 1"=140' AT ORIGINAL SIZE

NOTES:

1. AERIAL PHOTOGRAPHS ARE 6-INCH RESOLUTION AERIAL PHOTOGRAPHS DATED 2013 AND TAKEN FROM THE NYSGIS CLEARINGHOUSE WEBSITE.
2. LOT 1 BASE MAP FROM A FIELD SURVEY CONDUCTED BY CONTRACTORS LINE AND GRADE SOUTH, LLC, MAY 11, 2011.
3. LOT 4 BASE MAP FROM A FIELD SURVEY CONDUCTED BY JOHN MEYER CONSULTING, P.C. JUNE 30, 2011.
4. EXTENT OF ASH FROM EXISTING CONDITIONS, PLATE 1, MORRIS WESTCHESTER CONSTRUCTION COMPANY, L.L.P. HISTORIC AUSTIN AVENUE LANDFILL CLOSURE PLAN, LEGGETTE, BRASHEARS, & GRAHAM ENGINEERING SERVICES, P.C. MARCH 1988. REVISED BY S&W REDEVELOPMENT OF NORTH AMERICA, LLC, MAY 2011. FURTHER REVISED BY GHD CONSULTING ENGINEERS, LLC, DECEMBER 2012.

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Morris Westchester Junior Retail Associates, LLC
Lot 1 - Austin Avenue Landfill BCP Site
Semi-Annual Groundwater Monitoring

Site Layout

Job Number 11134282
Revision A
Date 07.25.2018

Figure 2

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2018 - 1:07 PM Cad File No: G:\111\11134282 Morris Co Lot 1 BCP Site \Groundwater Monitoring\May 2018\Figures\Figure 2 - Site Layout.dwg

LEGEND:

- Property Boundary (Approximate)
- Extent of Lot 1 Geotextile Demarcation Layer (Approximate)
- SWR-MW01 — Groundwater Monitoring Well Location and ID (Approximate)
- 195.27' — Groundwater Elevation (June 2018 Sampling Event)
- Groundwater Elevation Contour and Presumed Flow (Approximate)

0 35 70 105 140'

SCALE 1"=140' AT ORIGINAL SIZE

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Morris Westchester Junior Retail Associates, LLC
Lot 1 - Austin Avenue Landfill BCP Site
Semi-Annual Groundwater Monitoring

Groundwater Elevation and Flow

Job Number 11134282
Revision A
Date 07.25.2018

Figure 3

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2018 - 1:17 PM Cad File No: G:\111\11134282 Morris Co Lot 1 BCP Site \Groundwater Monitoring\May 2018\Figures\Figure 3 - GW Contours.dwg

LEGEND:

- Property Boundary (Approximate)
- Extent of Lot 1 Geotextile Demarcation Layer (Approximate)
- SWR-MW01 — Groundwater Monitoring Well Location and ID (Approximate)
- Conc. ug/L — Detected Concentration in ug/L (6-4-2018)

ug/L - micrograms per liter, parts per billion

Only exceedances of the Class GA groundwater standards or guidance values are shown here. For a complete summary of analytical results, refer to the tables.

0 35 70 105 140'

SCALE 1"=140' AT ORIGINAL SIZE

N

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Morris Westchester Junior Retail Associates, LLC
Lot 1 - Austin Avenue Landfill BCP Site
Semi-Annual Groundwater Monitoring
Groundwater Exceedances

Job Number 11134282
Revision A
Date 07.25.2018

Figure 4

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2018 - 3:49 PM Cad File No: G:\111\11134282 Morris Co Lot 1 BCP Site \Groundwater Monitoring\May 2018\Figures\Figure 4 - GW Exceedances 6-4-2018.dwg

Tables

Table 1 (Page 1 of 1): Groundwater Elevation Data. Lot 1 - Austin Avenue Landfill, Yonkers, NY. BCP Site No. C360066.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Volume (gal)
SWR-MW01	Mar-07	Top of PVC	253.54	37.18	44.00	216.36	1.09
	Jun-07			37.48	44.00	216.06	1.04
	Nov-16			-	-	-	-
	May-17			36.92	42.65	216.62	0.92
	Nov-17			39.87	42.90	213.67	0.48
	Jun-18			37.47	42.90	216.07	0.87
SWR-MW02	Mar-07	Top of PVC	236.82	39.85	44.00	196.97	0.66
	Jun-07			40.17	44.00	196.65	0.61
	Nov-16			42.12	46.35	194.70	0.68
	May-17			41.18	48.38	195.64	1.15
	Nov-17			-	-	-	-
	Jun-18			41.55	48.38	195.27	1.09
SWR-MW03	Mar-07	Top of PVC	235.74	24.10	30.00	211.64	0.94
	Jun-07			24.14	30.00	211.60	0.94
	Nov-16			28.23	31.65	207.51	0.55
	May-17			26.80	35.62	208.94	1.41
	Nov-17			31.05	35.70	204.69	0.74
	Jun-18			26.58	35.70	209.16	1.46
SWR-MW04	Mar-07	Top of PVC	134.89	6.61	16.00	128.28	1.50
	Jun-07			6.51	16.00	128.38	1.52
	Nov-16			7.51	18.10	127.38	1.69
	May-17			6.45	18.20	128.44	1.88
	Nov-17			8.05	18.32	126.84	1.64
	Jun-18			6.76	18.32	128.13	1.85
SWR-MW05	Mar-07	Top of PVC	156.72	6.75	19.40	149.97	2.02
	Jun-07			8.49	19.40	148.23	1.75
	Nov-16			11.13	20.47	145.59	1.49
	May-17			9.05	22.65	147.67	2.18
	Nov-17			13.22	22.97	143.50	1.56
	Jun-18			10.31	22.97	146.41	2.03

DTW - Depth to Water
DOW - Depth of Well
gal - Gallons

Table 2 (Page 1 of 4): Summary of Groundwater Field Parameters. Lot 1 - Austin Avenue Landfill, Yonkers, NY. BCP Site No. C360066.

Well I.D.	Date	Time	Purge Method	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
SWRMW-1	3/14/2007	8:00	Bailer	11.80	0.397	0.99	6.47	56.8	3989.9	-	-
	6/5/2007	12:00	Bailer	18.54	0.343	3.40	6.17	-80.9	1236.8	-	-
	11/17/2016	-	-	-	-	-	-	-	-	-	Well found to be damaged and broken. No sample taken.
	5/23/2017	10:50	Pump	14.90	0.306	0.58	6.84	66.0	14.8	-	Yellowish, sewer odor, some sediment, slightly turbid, no sheen. NOTE: took pesticide sample w/ bailer at 4PM. Sample at 11:01 and 11:13 were below the pump.
		10:56		15.00	0.313	0.42	6.85	69.3	18.1		
		11:01		15.30	0.317	0.34	6.86	74.3	24.7		
		11:13		16.20	0.327	0.57	6.86	58.7	49.7		
	11/14/2017	8:35	Pump	-	-	-	-	-	-	-	Water level was at a level below the meter's ability to read so shut down well to let recharge. MS/MSD and blind field duplicate taken at this location.
		8:50		8.63	1.05	1.62	6.09	59	105		
		8:55		8.96	1.02	0.99	6.08	0.0	87.1		
	6/4/2018	12:50	Pump	12.7	1.96	1.96	6.19	119	823	-	Cloudy brown, no odor
		12:55		12.6	1.98	0.96	6.23	102	811		
		13:00		12.5	1.99	0.19	6.31	100	614		
		13:05		12.3	1.98	0.22	6.31	96	510		
		17:10		12.3	1.96	0.22	6.39	101	410		
		17:15		12.4	1.99	0.21	6.4	96	519		
		17:20		12.5	1.92	0.23	6.42	101	631		
SWRMW-2	3/14/2007	10:22	Bailer	13.04	0.258	4.00	6.90	312.2	3998.2	-	-
	6/5/2007	13:00	Bailer	14.10	0.243	4.27	6.38	-69.4	1193.7	-	-

Table 2 (Page 2 of 4): Summary of Groundwater Field Parameters. Lot 1 - Austin Avenue Landfill, Yonkers, NY. BCP Site No. C360066.

Well I.D.	Date	Time	Purge Method	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
SWRMW-3	3/14/2007	11:02	Bailer	12.11	0.264	5.92	6.68	178.6	3989.9	-	-
	6/5/2007	13:30	Bailer	14.07	0.254	4.88	6.17	23.3	1194.3	-	-
	11/17/2016	-	-	-	-	-	-	-	-	-	Pump clogged by sediment. Tried clearing several times and still could not get it to pump water. No sample taken.
	5/23/2017	14:01	Pump	16.50	0.234	1.51	5.71	63.8	97.7	-	Murky yellow, no odor, no sheen, moderate turbidity. Took Duplicate at SWRMW-3
		14:06		15.80	0.229	1.20	5.67	66.0	67.3		
		14:11		15.50	0.227	1.05	5.69	28.3	62.4		
		14:16		15.70	0.227	0.95	5.70	36.6	53.2		
		14:21		15.90	0.227	0.90	5.69	54.8	55.2		
		14:26		15.80	0.226	0.88	5.69	69.1	57.5		
		14:35		15.00	0.220	0.85	5.67	95.9	52.0		
		14:40		15.20	0.220	0.84	5.67	104.3	50.2		
		14:45		15.50	0.222	0.82	5.67	114.3	55.7		
	11/15/2017	10:40	Pump	10.9	0.320	1.62	5.71	26.7	896	-	-
		10:45		10.9	0.317	1.61	5.63	44	290		
		10:50		10.8	0.309	1.59	5.56	60	112		
		10:55		10.9	0.301	1.91	5.52	79	96		
		11:00		10.9	0.299	2.03	5.51	87	35		
		11:05		10.9	0.293	1.96	5.49	99	17		
		11:10		10.8	0.289	1.90	5.48	18	11		
		11:15		10.8	0.287	1.69	5.47	112	20		
		11:20		10.8	0.285	1.62	5.47	119	20		
		11:25		10.9	0.284	1.60	5.46	121	17		
		11:30		10.9	0.285	1.60	5.46	123	19		
	6/5/2018	15:30	Pump	14.0	0.326	1.11	5.50	96	381	-	Slightly cloudy, light brown, no odor. Took Duplicate at SWRMW-3.
		15:35		13.1	0.305	1.16	5.17	136	167		
		15:40		12.9	0.302	1.11	5.08	161	52		Clear, no odor
		15:45		12.7	0.302	1.02	5.05	170	41		
		15:50		12.4	0.301	0.97	5.03	173	32		
		15:55		12.5	0.301	0.96	5.01	177	31		
		16:00		12.4	0.301	0.93	5.01	181	34		
		16:05		12.5	0.301	0.91	5.01	183	33		
		16:10		12.4	0.300	0.90	5.01	182	30		
		16:15		12.4	0.301	0.89	5.00	184	31		

Table 2 (Page 3 of 4): Summary of Groundwater Field Parameters. Lot 1 - Austin Avenue Landfill, Yonkers, NY. BCP Site No. C360066.

Well I.D.	Date	Time	Purge Method	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
SWRMW-4	3/14/2007	13:00	Bailer	7.55	0.784	3.98	6.98	292.9	2510.9	-	-
	6/6/2007	9:04	Pump	11.68	0.645	3.55	6.19	-163.9	166.4	-	-
		9:08		11.84	0.640	3.33	6.13	-162.3	76.3		
		9:10		12.16	0.641	3.16	6.11	-165.2	26.0		
	11/17/2016	12:48	Pump	13.41	1.357	4.66	7.04	183.9	727.3	5.25	YSI come disconnected and would not re-establish connection. Could not take field parameters to determine when well stabilized. Well was purged of 3 volumes and then sampled. Water turbid brown, no odor, no sheen.
	5/23/2017	17:43	Pump	13.00	1.007	2.25	6.31	105.1	300.1	-	Brown, turbid, no odor, no sheen. Took MS/MSD at SWRMW-4
		17:48		12.10	0.986	0.82	6.27	133.4	186.4		
		17:52		12.10	0.987	0.74	6.27	139.6	172.4		
		17:57		12.00	0.987	0.66	6.28	146.8	89.0		
		18:01		11.90	0.986	0.64	6.29	150.2	89.8		
		18:05		11.90	0.986	0.63	6.29	152	87.2		
	11/15/2017	8:45	Pump	10.06	0.958	5.08	5.89	NR	969	-	-
		8:50		10.70	0.988	4.14	5.92	NR	510		
		8:55		10.47	1.030	4.16	5.85	NR	336		
		9:00		10.29	1.130	4.08	5.90	NR	222		
		9:10		11.17	1.260	3.40	5.92	NR	112		
		9:15		11.31	1.230	3.44	5.91	NR	122		
		9:20		11.24	1.260	3.11	5.93	NR	95.8		
		9:25		11.32	1.250	3.62	5.99	NR	75.7		
		9:30		11.44	1.260	3.34	6.05	NR	60.1		
		9:35		11.40	1.270	3.04	6.01	NR	56.5		
		9:40		11.50	1.280	3.02	6.05	NR	53.7		
		9:45		11.51	1.270	2.96	6.01	NR	48.7		
		9:50		11.55	1.280	2.75	6.01	NR	42.7		
	6/5/2018	10:45	Pump	14.40	1.960	1.90	6.01	190.0	196.0	-	Slightly cloudy, light brown, no odor
		10:50		14.00	1.800	0.96	5.96	182.0	311.0		
		10:55		13.70	1.640	0.94	5.95	181.0	400.0		
		11:00		13.50	1.550	0.90	6.06	180.0	376.0		
		11:05		13.00	1.540	0.98	6.10	179.0	300.0		
		11:10		13.00	1.530	0.82	6.11	179.0	319.0		
		11:15		13.00	1.540	0.80	6.12	176.0	312.0		
		11:20		13.10	1.540	0.79	6.11	179.0	341.0		
		11:25		13.10	1.530	0.79	6.10	180.0	319.0		
		11:30		13.10	1.530	0.76	6.10	177.0	296.0		

Table 2 (Page 4 of 4): Summary of Groundwater Field Parameters. Lot 1 - Austin Avenue Landfill, Yonkers, NY. BCP Site No. C360066.

Well I.D.	Date	Time	Purge Method	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
SWRMW-5	3/14/2007	12:30	Bailer	10.44	0.558	4.11	6.89	299.7	99.0	-	-
	6/6/2007	7:50	Pump	10.89	0.554	0.80	5.95	-247.1	152.6	-	-
		7:54		10.84	0.543	0.58	5.93	-265.1	68.8		
		7:57		10.80	0.541	0.43	5.94	-279.2	12.8		
	11/17/2016	10:58	Pump	16.25	1.060	8.16	7.87	136.7	317.4	1.25	Water slight brown tint, no sheen, no odor
		11:04		15.95	1.038	7.38	6.90	142.0	260.4		
		11:09		15.80	1.030	5.49	6.68	148.5	198.3		
		11:17		15.79	1.023	2.61	6.56	154.9	97.5		
		11:26		15.82	1.025	2.34	6.52	158.4	52.5		
		11:33		15.80	1.024	2.43	6.50	160.3	44.2		
	5/23/2017	17:00	Pump	-	-	-	-	-	-	-	-
		17:05		13.60	0.681	0.83	6.37	129.8	499.0		
		17:10		12.80	0.667	0.44	6.36	140.6	379.0		
		17:15		12.70	0.664	0.26	6.37	142.3	167.0		
		17:20		12.50	0.660	0.16	6.35	146.4	168.3		
		17:25		12.50	0.655	0.06	6.36	147.2	114.0		
		17:30		12.40	0.659	0.09	6.36	149.1	81.0		
		17:35		12.30	0.657	0.07	6.37	151.5	56.6		
		17:40		12.30	0.657	0.70	6.37	151.7	49.4		
		17:45		12.30	0.657	0.00	6.37	151.9	44.7		
		17:50		12.20	0.657	0.01	6.37	153.3	37.0		
		17:55		12.10	0.656	0.00	6.37	153.3	19.3		
		18:00		12.10	0.656	0.00	6.37	153.2	18.5		
		18:05		12.10	0.655	0.00	6.37	153.1	18.1		
	11/15/2017	13:30	Pump	14.6	1.129	1.35	6.23	122	2100	-	-
		13:35		14.7	1.119	1.20	6.23	119	1740		
		13:40		14.9	1.116	1.02	6.24	111	979		
		13:45		14.9	1.119	0.99	6.24	108	776		
		13:50		14.9	1.121	0.96	6.24	108	568		
		13:55		14.9	1.122	0.89	6.24	107	229		
		14:00		14.9	1.123	0.88	6.24	108	150		
		14:05		14.9	1.127	0.71	6.25	107	77		
		14:10		14.9	1.137	0.68	6.25	109	62		
		14:15		14.9	1.134	0.63	6.24	111	66		
		14:20		14.9	1.133	0.61	6.24	112	64		
	6/5/2018	8:25	Pump	14.4	1.710	2.16	6.17	211	1140	-	
		8:30		14.5	1.190	2.19	6.13	200	960		
		8:35		14.0	1.180	1.31	6.09	160	900		
		8:40		13.3	1.160	1.30	6.08	161	903		Cloudy, Brown
		8:45		13.4	1.150	1.20	6.08	159	710		
		8:50		13.3	1.140	1.19	6.09	158	600		
		8:55		13.3	1.130	1.21	6.08	157	491		
		9:00		13.3	1.120	1.21	6.08	157	239		
		9:05		13.3	1.120	1.19	6.09	157	247		Slightly Cloudy, Brown
		9:10		13.4	1.130	1.17	6.09	158	313		

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-1											
		3/14/2007		6/5/2007		11/17/2016	5/23/2017		11/15/2017		6/4/2018	
SVOCs by EPA Method 8270D												
1 2 4-Trichlorobenzene	5		U		U	-	-		-		-	
1,2,4,5-Tetrachlorobenzene		-		-		NS		U		U		U
1 2-Dichlorobenzene	3		U		U	-	-				-	
1 3-Dichlorobenzene	3		U		U	-	-				-	
1 4-Dichlorobenzene	3		U		U	-	-				-	
2 2-oxybis (1-chloropropane)			U		U	-	-				-	
2,3,4,6-Tetrachlorophenol		-		-		NS		U		U		U
2 4 5-Trichlorophenol			U		U	NS		U		U		U
2 4 6-Trichlorophenol			U		U	NS		U		U		U
2 4-Dichlorophenol	1		U		U	NS		U		U		U
2 4-Dimethylphenol	50(G)		U		U	NS		U		U		U
2 4-Dinitrophenol	10(G)		U		U	NS		U		U		U
2 4-Dinitrotoluene	5(G)		U		U	NS		U		U		U
2 6-Dinitrotoluene	5		U		U	NS		U		U		U
2-Chloronaphthalene	10(G)		U		U	NS		U		U		U
2-Chlorophenol			U		U	NS		U		U		U
2-Methylnaphthalene			U		U	NS		U		U		U
2-Methylphenol			U		U	-	-		-		-	
2-Nitroaniline	5		U		U	NS		U		U		U
2-Nitrophenol			U		U	NS		U		U		U
3 3-Dichlorobenzidine	5(G)		U		U	NS		U		U		U
3-Nitroaniline	5		U		U	NS		U		U		U
4 6-Dinitro-o-cresol		-		-		-	-		-			U
4 6-Dinitro-2-methylphenol			U		U	NS		U	-		-	
4-Bromophenyl phenyl ether			U		U	NS		U		U		U
4-Chloro-3-methylphenol			U		U	-	-		-		-	
4-Chloroaniline	5		U		U	NS		U		U		U
4-Chlorophenyl phenyl ether			U		U	NS		U		U		U
4-Methylphenol			U		U	NS		U	5.4			U
4-Nitroaniline	5(G)		U		U	NS		U	-			U
4-Nitrophenol			U		U	NS		U	-			U
Acenaphthene	20(G)		U		U	NS		U		U		U
Acenaphthylene			U		U	NS		U		U		U
Acetophenone		-		-		NS		U		U		U
Anthracene	50(G)		U		U	NS		U		U		U
Atrazine		-		-		NS		U		U		U
Benzaldehyde		-		-		NS		U		U		U
Benzo(a)anthracene	0.002(G)		U		U	NS		U	**0.03**	**J**		U
Benzo(a)pyrene	ND		U		U	NS		U		U		U
Benzo(b)fluoranthene	0.002(G)		U		U	NS		U	**0.02**	**J**		U
Benzo(ghi)perylene			U		U	NS		U		U		U
Benzo(k)fluoranthene	0.002(G)		U		U	NS		U		U		U
Biphenyl		-		-		NS		U		U		U
Benzyl alcohol			U		U	-	-		-		-	
Bis(2-chloroethoxy)methane	5		U		U	NS		U		U		U
Bis(2-chloroethyl)ether	1		U		U	NS		U		U		U
Bis(2-chloroisopropyl)ether		-		-		NS		U		U		U
Bis(2-ethylhexyl)phthalate	5	3.2	J		U	NS	2.5	J		U	**16**	
Butyl benzyl phthalate	50(G)		U		U	NS		U		U		U
Caprolactam		-		-		NS		U		U		U
Carbazole			U		U	NS		U		U		U
Chrysene	0.002(G)		U		U	NS		U		U		U
Dibenzo(a h)anthracene			U		U	NS		U		U		U
Dibenzofuran			U		U	NS		U		U		U
Diethyl phthalate	50(G)		U		U	NS		U		U		U
Dimethyl phthalate	50(G)		U		U	NS		U		U		U
Di-n-butyl phthalate			U		U	NS		U		U		U
Di-n-octyl phthalate	50(G)		U		U	NS		U		U		U
Fluoranthene	50(G)		U		U	NS		U		U		U
Fluorene	50(G)		U		U	NS		U		U		U
Hexachlorobenzene	0.04		U		U	NS		U		U		U
Hexachlorobutadiene	0.5		U		U	NS		U		U		U
Hexachlorocyclopentadiene	5		U		U	NS		U		U	-	
Hexachloroethane	5		U		U	NS		U		U		U
Indeno(1 2 3-cd)pyrene	0.002(G)		U		U	NS		U		U		U
Isophorone	50(G)		U		U	NS		U		U		U
Naphthalene	10		U		U	NS		U		U		U
NDPA/DPA		-		-		NS	-			U		U
Nitrobenzene	0.4		U		U	NS		U		U		U
n-Nitroso-di-n-propylamine			U		U	NS		U		U		U
n-Nitrosodiphenylamine	50(G)		U		U	-	-		-		-	
p-Chloro-m-cresol		-		-		NS		U		U		U
Pentachlorophenol			U		U	NS		U		U		U
Phenanthrene	50(G)		U	0.72	J	NS		U	0.02	J	0.11	
Phenol		-		-		NS		U		U		U
Pyrene	50(G)		U		U	NS		U		U	0.11	
Total SVOCs		3.2		0.72		NS	2.5		5.47		16.22	

*Class GA Groundwater standards taken from Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA ambient water quality standards or guidance values, New York State Department of Environmental Conservation, June 1998 and subsequent addenda

(G) Signifies a NYSDEC guidance value where a standard has not been established.

U - The compound was not detected above the laboratory detection limit.

J - Indicates an estimated value detected between the laboratory detection limit and laboratory reporting limit.

(-) - Indicates analyte was not analyzed for

ND - Non-Detect

NS - Not Sampled during monitoring round. SWRMW-2 not part of on-going monitoring.

Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-2					
		3/14/2007	6/5/2007	11/17/2016	5/23/2017	11/15/2017	6/4/2018
SVOCs by EPA Method 8270D							
1 2 4-Trichlorobenzene	5	U	U	-	-	-	-
1,2,4,5-Tetrachlorobenzene		-	-	NS	NS	NS	NS
1 2-Dichlorobenzene	3	U	U	-	-	-	-
1 3-Dichlorobenzene	3	U	U	-	-	-	-
1 4-Dichlorobenzene	3	U	U	-	-	-	-
2 2-oxybis (1-chloropropane)		U	U	-	-	-	-
2,3,4,6-Tetrachlorophenol		-	-	NS	NS	NS	NS
2 4 5-Trichlorophenol		U	U	NS	NS	NS	NS
2 4 6-Trichlorophenol		U	U	NS	NS	NS	NS
2 4-Dichlorophenol	1	U	U	NS	NS	NS	NS
2 4-Dimethylphenol	50(G)	U	U	NS	NS	NS	NS
2 4-Dinitrophenol	10(G)	U	U	NS	NS	NS	NS
2 4-Dinitrotoluene	5(G)	U	U	NS	NS	NS	NS
2 6-Dinitrotoluene	5	U	U	NS	NS	NS	NS
2-Chloronaphthalene	10(G)	U	U	NS	NS	NS	NS
2-Chlorophenol		U	U	NS	NS	NS	NS
2-Methylnaphthalene		U	U	NS	NS	NS	NS
2-Methylphenol		U	U	-	-	-	-
2-Nitroaniline	5	U	U	NS	NS	NS	NS
2-Nitrophenol		U	U	NS	NS	NS	NS
3 3-Dichlorobenzidine	5(G)	U	U	NS	NS	NS	NS
3-Nitroaniline	5	U	U	NS	NS	NS	NS
4 6-Dinitro-o-cresol		-	-	-	-	-	NS
4 6-Dinitro-2-methylphenol		U	U	NS	NS	NS	NS
4-Bromophenyl phenyl ether		U	U	NS	NS	NS	NS
4-Chloro-3-methylphenol		U	U	-	-	-	-
4-Chloroaniline	5	U	U	NS	NS	NS	NS
4-Chlorophenyl phenyl ether		U	U	NS	NS	NS	NS
4-Methylphenol		U	U	NS	NS	NS	NS
4-Nitroaniline	5(G)	U	U	NS	NS	NS	NS
4-Nitrophenol		U	U	NS	NS	NS	NS
Acenaphthene	20(G)	U	U	NS	NS	NS	NS
Acenaphthylene		U	U	NS	NS	NS	NS
Acetophenone		-	-	NS	NS	NS	NS
Anthracene	50(G)	U	U	NS	NS	NS	NS
Atrazine		-	-	NS	NS	NS	NS
Benzaldehyde		-	-	NS	NS	NS	NS
Benzo(a)anthracene	0.002(G)	U	U	NS	NS	NS	NS
Benzo(a)pyrene	ND	U	U	NS	NS	NS	NS
Benzo(b)fluoranthene	0.002(G)	U	U	NS	NS	NS	NS
Benzo(ghi)perylene		U	U	NS	NS	NS	NS
Benzo(k)fluoranthene	0.002(G)	U	U	NS	NS	NS	NS
Biphenyl		-	-	NS	NS	NS	NS
Benzyl alcohol		U	U	-	-	-	-
Bis(2-chloroethoxy)methane	5	U	U	NS	NS	NS	NS
Bis(2-chloroethyl)ether	1	U	U	NS	NS	NS	NS
Bis(2-chloroisopropyl)ether		-	-	NS	NS	NS	NS
Bis(2-ethylhexyl)phthalate	5	U	2.6 J	NS	NS	NS	NS
Butyl benzyl phthalate	50(G)	U	U	NS	NS	NS	NS
Caprolactam		-	-	NS	NS	NS	NS
Carbazole		U	U	NS	NS	NS	NS
Chrysene	0.002(G)	U	U	NS	NS	NS	NS
Dibenzo(a h)anthracene		U	U	NS	NS	NS	NS
Dibenzofuran		U	U	NS	NS	NS	NS
Diethyl phthalate	50(G)	U	U	NS	NS	NS	NS
Dimethyl phthalate	50(G)	U	U	NS	NS	NS	NS
Di-n-butyl phthalate		U	2.3 J	NS	NS	NS	NS
Di-n-octyl phthalate	50(G)	U	U	NS	NS	NS	NS
Fluoranthene	50(G)	U	U	NS	NS	NS	NS
Fluorene	50(G)	U	U	NS	NS	NS	NS
Hexachlorobenzene	0.04	U	U	NS	NS	NS	NS
Hexachlorobutadiene	0.5	U	U	NS	NS	NS	NS
Hexachlorocyclopentadiene	5	U	U	NS	NS	NS	NS
Hexachloroethane	5	U	U	NS	NS	NS	NS
Indeno(1 2 3-cd)pyrene	0.002(G)	U	U	NS	NS	NS	NS
Isophorone	50(G)	U	U	NS	NS	NS	NS
Naphthalene	10	U	U	NS	NS	NS	NS
NDPA/DPA		-	-	NS	NS	NS	NS
Nitrobenzene	0.4	U	U	NS	NS	NS	NS
n-Nitroso-di-n-propylamine		U	U	NS	NS	NS	NS
n-Nitrosodiphenylamine	50(G)	U	U	-	-	-	-
p-Chloro-m-cresol		-	-	NS	NS	NS	NS
Pentachlorophenol		U	U	NS	NS	NS	NS
Phenanthrene	50(G)	U	U	NS	NS	NS	NS
Phenol		-	-	NS	NS	NS	NS
Pyrene	50(G)	U	U	NS	NS	NS	NS
Total SVOCs		ND	4.9	NS	NS	NS	NS

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Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-3					
		3/14/2007	6/5/2007	11/17/2016	5/23/2017	11/15/2017	6/4/2018
SVOCs by EPA Method 8270D							
1 2 4-Trichlorobenzene	5	U	U	-	-	-	-
1,2,4,5-Tetrachlorobenzene		-	-	NS	U	U	U
1 2-Dichlorobenzene	3	U	U	-	-	-	-
1 3-Dichlorobenzene	3	U	U	-	-	-	-
1 4-Dichlorobenzene	3	U	U	-	-	-	-
2 2-oxybis (1-chloropropane)		U	U	-	-	-	-
2,3,4,6-Tetrachlorophenol		-	-	NS	U	U	U
2 4 5-Trichlorophenol		U	U	NS	U	U	U
2 4 6-Trichlorophenol		U	U	NS	U	U	U
2 4-Dichlorophenol	1	U	U	NS	U	U	U
2 4-Dimethylphenol	50(G)	U	U	NS	U	U	U
2 4-Dinitrophenol	10(G)	U	U	NS	U	U	U
2 4-Dinitrotoluene	5(G)	U	U	NS	U	U	U
2 6-Dinitrotoluene	5	U	U	NS	U	U	U
2-Chloronaphthalene	10(G)	U	U	NS	U	U	U
2-Chlorophenol		U	U	NS	U	U	U
2-Methylnaphthalene		U	U	NS	U	U	U
2-Methylphenol		U	U	-	-	-	-
2-Nitroaniline	5	U	U	NS	U	U	U
2-Nitrophenol		U	U	NS	U	U	U
3 3-Dichlorobenzidine	5(G)	U	U	NS	U	U	U
3-Nitroaniline	5	U	U	NS	U	U	U
4 6-Dinitro-o-cresol		-	-	-	-	-	U
4 6-Dinitro-2-methylphenol		U	U	NS	U	U	-
4-Bromophenyl phenyl ether		U	U	NS	U	U	U
4-Chloro-3-methylphenol		U	U	-	-	-	-
4-Chloroaniline	5	U	U	NS	U	U	U
4-Chlorophenyl phenyl ether		U	U	NS	U	U	U
4-Methylphenol		U	U	NS	U	U	U
4-Nitroaniline	5(G)	U	U	NS	U	U	U
4-Nitrophenol		U	U	NS	U	U	U
Acenaphthene	20(G)	U	U	NS	U	U	U
Acenaphthylene		U	U	NS	U	U	U
Acetophenone		-	-	NS	U	U	U
Anthracene	50(G)	U	U	NS	U	U	U
Atrazine		-	-	NS	U	U	U
Benzaldehyde		-	-	NS	U	U	U
Benzo(a)anthracene	0.002(G)	U	U	NS	U	U	U
Benzo(a)pyrene	ND	U	U	NS	U	U	U
Benzo(b)fluoranthene	0.002(G)	U	U	NS	U	U	U
Benzo(ghi)perylene		U	U	NS	U	U	U
Benzo(k)fluoranthene	0.002(G)	U	U	NS	U	U	U
Biphenyl		-	-	NS	U	U	U
Benzyl alcohol		U	U	-	-	-	-
Bis(2-chloroethoxy)methane	5	U	U	NS	U	U	U
Bis(2-chloroethyl)ether	1	U	U	NS	U	U	U
Bis(2-chloroisopropyl)ether		-	-	NS	U	U	U
Bis(2-ethylhexyl)phthalate	5	U	U	NS	1.2 J	U	U
Butyl benzyl phthalate	50(G)	U	U	NS	U	U	U
Caprolactam		-	-	NS	U	U	U
Carbazole		U	U	NS	U	U	U
Chrysene	0.002(G)	U	U	NS	U	U	U
Dibenzo(a h)anthracene		U	U	NS	U	U	U
Dibenzofuran		U	U	NS	U	U	U
Diethyl phthalate	50(G)	U	U	NS	U	U	U
Dimethyl phthalate	50(G)	U	U	NS	U	U	U
Di-n-butyl phthalate		U	U	NS	U	U	U
Di-n-octyl phthalate	50(G)	U	U	NS	U	U	U
Fluoranthene	50(G)	U	U	NS	U	U	U
Fluorene	50(G)	U	U	NS	U	U	U
Hexachlorobenzene	0.04	U	U	NS	U	U	U
Hexachlorobutadiene	0.5	U	U	NS	U	U	U
Hexachlorocyclopentadiene	5	U	U	NS	U	U	U
Hexachloroethane	5	U	U	NS	U	U	U
Indeno(1 2 3-cd)pyrene	0.002(G)	U	U	NS	U	U	U
Isophorone	50(G)	U	U	NS	U	U	U
Naphthalene	10	U	U	NS	U	U	U
NDPA/DPA		-	-	NS	-	-	U
Nitrobenzene	0.4	U	U	NS	U	U	U
n-Nitroso-di-n-propylamine		U	U	NS	U	U	U
n-Nitrosodiphenylamine	50(G)	U	U	-	-	-	-
p-Chloro-m-cresol		-	-	NS	U	U	U
Pentachlorophenol		U	U	NS	U	U	U
Phenanthrene	50(G)	U	U	NS	U	U	U
Phenol		-	-	NS	U	U	U
Pyrene	50(G)	U	U	NS	U	U	U
Total SVOCs		ND	ND	NS	1.2	ND	ND

*Class GA Groundwater standards taken from Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA ambient water quality standards or guidance values, New York State Department of Environmental Conservation, June 1998 and subsequent addenda

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U - The compound was not detected above the laboratory detection limit.

J - Indicates an estimated value detected between the laboratory detection limit and laboratory reporting limit.

(-) - Indicates analyte was not analyzed for

ND - Non-Detect

NS - Not Sampled during monitoring round. SWRMW-2 not part of on-going monitoring.

Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-4					
		3/14/2007	6/6/2007	11/17/2016	5/23/2017	11/15/2017	6/4/2018
SVOCs by EPA Method 8270D							
1 2 4-Trichlorobenzene	5	U	U	-	-	-	-
1,2,4,5-Tetrachlorobenzene		-	-	U	U	U	U
1 2-Dichlorobenzene	3	U	U	-	-	-	-
1 3-Dichlorobenzene	3	U	U	-	-	-	-
1 4-Dichlorobenzene	3	U	U	-	-	-	-
2 2-oxybis (1-chloropropane)		U	U	-	-	-	-
2,3,4,6-Tetrachlorophenol		-	-	U	U	U	U
2 4 5-Trichlorophenol		U	U	U	U	U	U
2 4 6-Trichlorophenol		U	U	U	U	U	U
2 4-Dichlorophenol	1	U	U	U	U	U	U
2 4-Dimethylphenol	50(G)	U	U	U	U	U	U
2 4-Dinitrophenol	10(G)	U	U	U	U	U	U
2 4-Dinitrotoluene	5(G)	U	U	U	U	U	U
2 6-Dinitrotoluene	5	U	U	U	U	U	U
2-Chloronaphthalene	10(G)	U	U	U	U	U	U
2-Chlorophenol		U	U	U	U	U	U
2-Methylnaphthalene		U	U	U	U	U	U
2-Methylphenol		U	U	-	-	-	-
2-Nitroaniline	5	U	U	U	U	U	U
2-Nitrophenol		U	U	U	U	U	U
3 3-Dichlorobenzidine	5(G)	U	U	U	U	U	U
3-Nitroaniline	5	U	U	U	U	U	U
4 6-Dinitro-o-cresol		-	-	-	-	-	U
4 6-Dinitro-2-methylphenol		U	U	U	U	U	-
4-Bromophenyl phenyl ether		U	U	U	U	U	U
4-Chloro-3-methylphenol		U	U	-	-	-	-
4-Chloroaniline	5	U	U	U	U	U	U
4-Chlorophenyl phenyl ether		U	U	U	U	U	U
4-Methylphenol		U	U	U	U	U	U
4-Nitroaniline	5(G)	U	U	U	U	U	U
4-Nitrophenol		U	U	U	U	U	U
Acenaphthene	20(G)	U	U	U	U	U	U
Acenaphthylene		U	U	U	U	U	U
Acetophenone		-	-	U	U	U	U
Anthracene	50(G)	U	U	U	U	U	U
Atrazine		-	-	U	U	U	U
Benzaldehyde		-	-	U	U	U	U
Benzo(a)anthracene	0.002(G)	U	U	U	U	U	U
Benzo(a)pyrene	ND	U	U	U	U	U	U
Benzo(b)fluoranthene	0.002(G)	U	U	U	U	U	U
Benzo(ghi)perylene		U	U	U	U	U	U
Benzo(k)fluoranthene	0.002(G)	U	U	U	U	U	U
Biphenyl		-	-	U	U	U	U
Benzyl alcohol		U	U	-	-	-	-
Bis(2-chloroethoxy)methane	5	U	U	U	U	U	U
Bis(2-chloroethyl)ether	1	U	U	U	U	U	U
Bis(2-chloroisopropyl)ether		-	-	U	U	U	U
Bis(2-ethylhexyl)phthalate	5	U	U	U	U	1.9 J	U
Butyl benzyl phthalate	50(G)	U	U	U	U	U	U
Caprolactam		-	-	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	0.002(G)	U	U	U	U	U	U
Dibenzo(a h)anthracene		U	U	U	U	U	U
Dibenzofuran		U	U	U	U	U	U
Diethyl phthalate	50(G)	U	U	U	U	U	U
Dimethyl phthalate	50(G)	U	U	U	U	U	U
Di-n-butyl phthalate		U	U	U	U	U	U
Di-n-octyl phthalate	50(G)	U	U	U	U	U	U
Fluoranthene	50(G)	U	U	U	U	U	U
Fluorene	50(G)	U	U	U	U	U	U
Hexachlorobenzene	0.04	U	U	U	U	U	U
Hexachlorobutadiene	0.5	U	U	U	U	U	U
Hexachlorocyclopentadiene	5	U	U	U	U	U	U
Hexachloroethane	5	U	U	U	U	U	U
Indeno(1 2 3-cd)pyrene	0.002(G)	U	U	U	U	U	U
Isophorone	50(G)	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U
NDPA/DPA		-	-	U	- U	-	U
Nitrobenzene	0.4	U	U	U	U	U	U
n-Nitroso-di-n-propylamine		U	U	U	U	U	U
n-Nitrosodiphenylamine	50(G)	U	U	-	-	-	-
p-Chloro-m-cresol		-	-	U	U	U	U
Pentachlorophenol		U	U	U	U	U	U
Phenanthrene	50(G)	U	U	U	U	U	U
Phenol				U	U	U	U
Pyrene	50(G)	U	U	U	U	U	U
Total SVOCs		ND	ND	ND	ND	1.9	ND

*Class GA Groundwater standards taken from Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA ambient water quality standards or guidance values, New York State Department of Environmental Conservation, June 1998 and subsequent addenda

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Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-5					
		3/14/2007	6/6/2007	11/17/2016	5/23/2017	11/15/2017	6/4/2018
SVOCs by EPA Method 8270D							
1 2 4-Trichlorobenzene	5	U	U	-	-	-	-
1,2,4,5-Tetrachlorobenzene		-	-	U	U	U	U
1 2-Dichlorobenzene	3	U	U	-	-	-	-
1 3-Dichlorobenzene	3	U	U	-	-	-	-
1 4-Dichlorobenzene	3	U	U	-	-	-	-
2 2-oxybis (1-chloropropane)		U	U	-	-	-	-
2,3,4,6-Tetrachlorophenol		-	-	U	U	U	U
2 4 5-Trichlorophenol		U	U	U	U	U	U
2 4 6-Trichlorophenol		U	U	U	U	U	U
2 4-Dichlorophenol	1	U	U	U	U	U	U
2 4-Dimethylphenol	50(G)	U	U	U	U	U	U
2 4-Dinitrophenol	10(G)	U	U	U	U	U	U
2 4-Dinitrotoluene	5(G)	U	U	U	U	U	U
2 6-Dinitrotoluene	5	U	U	U	U	U	U
2-Chloronaphthalene	10(G)	U	U	U	U	U	U
2-Chlorophenol		U	U	U	U	U	U
2-Methylnaphthalene		U	U	U	U	U	U
2-Methylphenol		U	U	-	-	-	-
2-Nitroaniline	5	U	U	U	U	U	U
2-Nitrophenol		U	U	U	U	U	U
3 3-Dichlorobenzidine	5(G)	U	U	U	U	U	U
3-Nitroaniline	5	U	U	U	U	U	U
4 6-Dinitro-o-cresol		-	-	-	-	-	U
4 6-Dinitro-2-methylphenol		U	U	U	U	U	
4-Bromophenyl phenyl ether		U	U	U	U	U	U
4-Chloro-3-methylphenol		U	U	-	-	-	-
4-Chloroaniline	5	U	U	U	U	U	U
4-Chlorophenyl phenyl ether		U	U	U	U	U	U
4-Methylphenol		U	U	U	U	U	U
4-Nitroaniline	5(G)	U	U	U	U	U	U
4-Nitrophenol		U	U	U	U	U	U
Acenaphthene	20(G)	U	U	U	U	U	U
Acenaphthylene		U	U	U	U	U	U
Acetophenone		-	-	U	U	U	U
Anthracene	50(G)	U	U	U	U	U	U
Atrazine		-	-	U	U	U	U
Benzaldehyde		-	-	U	U	U	U
Benzo(a)anthracene	0.002(G)	U	U	U	U	U	U
Benzo(a)pyrene	ND	U	U	U	U	U	U
Benzo(b)fluoranthene	0.002(G)	U	U	U	U	U	U
Benzo(ghi)perylene		U	U	U	U	U	U
Benzo(k)fluoranthene	0.002(G)	U	U	U	U	U	U
Biphenyl		-	-	U	U	U	U
Benzyl alcohol		U	U	-	-	-	-
Bis(2-chloroethoxy)methane	5	U	U	U	U	U	U
Bis(2-chloroethyl)ether	1	U	U	U	U	U	U
Bis(2-chloroisopropyl)ether		-	-	U	U	U	U
Bis(2-ethylhexyl)phthalate	5	U	U	U	U	U	U
Butyl benzyl phthalate	50(G)	U	U	U	U	U	U
Caprolactam		-	-	U	U	U	U
Carbazole		U	U	U	U	U	U
Chrysene	0.002(G)	U	U	U	U	U	U
Dibenzo(a h)anthracene		U	U	U	U	U	U
Dibenzofuran		U	U	U	U	U	U
Diethyl phthalate	50(G)	U	U	U	U	U	U
Dimethyl phthalate	50(G)	U	U	U	U	U	U
Di-n-butyl phthalate		U	U	U	U	U	U
Di-n-octyl phthalate	50(G)	U	U	U	U	U	U
Fluoranthene	50(G)	U	U	U	U	U	U
Fluorene	50(G)	U	U	U	U	U	U
Hexachlorobenzene	0.04	U	U	U	U	U	U
Hexachlorobutadiene	0.5	U	U	U	U	U	U
Hexachlorocyclopentadiene	5	U	U	U	U	U	U
Hexachloroethane	5	U	U	U	U	U	U
Indeno(1 2 3-cd)pyrene	0.002(G)	U	U	U	U	U	U
Isophorone	50(G)	U	U	U	U	U	U
Naphthalene	10	U	U	U	U	U	U
NDPA/DPA		-	-	U	-	-	U
Nitrobenzene	0.4	U	U	U	U	U	U
n-Nitroso-di-n-propylamine		U	U	U	U	U	U
n-Nitrosodiphenylamine	50(G)	U	U	-	-	-	-
p-Chloro-m-cresol		-	-	U	U	U	U
Pentachlorophenol		U	U	U	U	U	U
Phenanthrene	50(G)	U	U	U	U	U	U
Phenol		-	-	U	U	U	U
Pyrene	50(G)	U	U	U	U	U	U
Total SVOCs		ND	ND	ND	ND	ND	ND

*Class GA Groundwater standards taken from Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA ambient water quality standards or guidance values, New York State Department of Environmental Conservation, June 1998 and subsequent addenda

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Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	DUPLICATE							
		11/17/2016		5/23/2017		11/15/2017		6/4/2018	
SVOCs by EPA Method 8270D		(SWRMW-4)		(SWRMW-3)		(SWRMW-1)		(SWRMW-3)	
1 2 4-Trichlorobenzene	5	-		-		-		-	
1,2,4,5-Tetrachlorobenzene			U		U		U		U
1 2-Dichlorobenzene	3	-		-		-		-	
1 3-Dichlorobenzene	3	-		-		-		-	
1 4-Dichlorobenzene	3	-		-		-		-	
2 2-oxybis (1-chloropropane)		-		-		-		-	
2,3,4,6-Tetrachlorophenol			U		U		U		U
2 4 5-Trichlorophenol			U		U		U		U
2 4 6-Trichlorophenol			U		U		U		U
2 4-Dichlorophenol	1		U		U		U		U
2 4-Dimethylphenol	50(G)		U		U		U		U
2 4-Dinitrophenol	10(G)		U		U		U		U
2 4-Dinitrotoluene	5(G)		U		U		U		U
2 6-Dinitrotoluene	5		U		U		U		U
2-Chloronaphthalene	10(G)		U		U		U		U
2-Chlorophenol			U		U		U		U
2-Methylnaphthalene			U		U		U		U
2-Methylphenol		-		-		-		-	
2-Nitroaniline	5		U		U		U		U
2-Nitrophenol			U		U		U		U
3 3-Dichlorobenzidine	5(G)		U		U		U		U
3-Nitroaniline	5		U		U		U		U
4 6-Dinitro-o-cresol		-		-		-			U
4 6-Dinitro-2-methylphenol			U		U	-		-	
4-Bromophenyl phenyl ether			U		U		U		U
4-Chloro-3-methylphenol		-		-		-		-	
4-Chloroaniline	5		U		U		U		U
4-Chlorophenyl phenyl ether			U		U		U		U
4-Methylphenol			U		U	2.8	J		U
4-Nitroaniline	5(G)		U		U		U		U
4-Nitrophenol			U		U		U		U
Acenaphthene	20(G)		U		U		U		U
Acenaphthylene			U		U		U		U
Acetophenone			U		U		U		U
Anthracene	50(G)		U		U		U		U
Atrazine			U		U		U		U
Benzaldehyde			U		U		U		U
Benzo(a)anthracene	0.002(G)		U		U		U		U
Benzo(a)pyrene	ND		U		U		U		U
Benzo(b)fluoranthene	0.002(G)		U		U		U		U
Benzo(ghi)perylene			U		U		U		U
Benzo(k)fluoranthene	0.002(G)		U		U		U		U
Biphenyl			U		U		U		U
Benzyl alcohol		-		-		-		-	
Bis(2-chloroethoxy)methane	5		U		U		U		U
Bis(2-chloroethyl)ether	1		U		U		U		U
Bis(2-chloroisopropyl)ether			U		U		U		U
Bis(2-ethylhexyl)phthalate	5		U	1.0	J		U		U
Butyl benzyl phthalate	50(G)		U		U		U		U
Caprolactam			U		U		U		U
Carbazole			U		U		U		U
Chrysene	0.002(G)		U		U		U		U
Dibenzo(a h)anthracene			U		U		U		U
Dibenzofuran			U		U		U		U
Diethyl phthalate	50(G)		U		U		U		U
Dimethyl phthalate	50(G)		U		U		U		U
Di-n-butyl phthalate			U		U		U		U
Di-n-octyl phthalate	50(G)		U		U		U		U
Fluoranthene	50(G)		U		U		U		U
Fluorene	50(G)		U		U		U		U
Hexachlorobenzene	0.04		U		U		U		U
Hexachlorobutadiene	0.5		U		U		U		U
Hexachlorocyclopentadiene	5		U		U		U		U
Hexachloroethane	5		U		U		U		U
Indeno(1 2 3-cd)pyrene	0.002(G)		U		U		U		U
Isophorone	50(G)		U		U		U		U
Naphthalene	10		U		U		U		U
NDPA/DPA			U	-	U		U		U
Nitrobenzene	0.4		U		U		U		U
n-Nitroso-di-n-propylamine			U		U		U		U
n-Nitrosodiphenylamine	50(G)	-		-		-		-	
p-Chloro-m-cresol			U		U		U		U
Pentachlorophenol			U		U		U		U
Phenanthrene	50(G)		U		U		U		U
Phenol			U		U		U		U
Pyrene	50(G)		U		U		U		U
Total SVOCs		ND		1.0		2.8		ND	

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Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-1											
		3/14/2007	6/5/2007			11/17/2016	5/23/2017	11/14/2017	6/4/2018				
		Total	Total		Dissolved		Total	Total	Total				
Metals by EPA Methods 6020A and 7470A													
Aluminum		437,000	870	J	130	J	NS	1,260	33		13,600		
Antimony	3	U	U		U		NS	0.69	J	U		U	
Arsenic	25	21	J	U		U	NS	1.51	1.11		3.85		
Barium	1,000	**5,900**	500		480		NS	67.49	304.7		410.5		
Beryllium	3	**9.7**	**J**	U		U	NS	U		U		U	
Cadmium	5	**29**	**J**	U		U	NS	0.21		U	0.88		
Calcium		298,000	302,000		312,000		NS	62,200	197,000		204,000		
Chromium	50	**950**	2.9	J	1.5	J	NS	3.32	1.95		**54.13**		
Cobalt		290		U		U	NS	4.04	2.15		22.25		
Copper	200	**990**	3.2	J		U	NS	11.52	0.59	J	96.06		
Iron	300	**877,000**	**87,600**		**83,800**		NS	**2,760**	**45,700**		**76,300**		
Lead	25	**820**	**J**	U		U	NS	5.21		U	**33.38**		
Magnesium	35,000 (G)	**258,000**	**112,000**		**114,000**		NS	9,370	**40,300**		**41,400**		
Manganese	300	**10,900**	**4,900**		**5,000**		NS	**1,974**	**3,132**		**8,459**		
Mercury	0.7	0.6	J	U		U	NS	U	0.1	J		U	
Nickel	100	**590**	2.9	J	2.8	J	NS	10.94	2.17		56.1		
Potassium		403,000	153,000		152,000		NS	11,300	46,100		40,800		
Selenium	10	U	U		U		NS	U	U		U		
Silver	50	U	U		U		NS	U	U		1.61		
Sodium	20,000	**153,000**	**148,000**		**148,000**		NS	6,550	**116,000**		**62,500**		
Thallium	0.5	U	U		U		NS	U	U		U		
Vanadium		1,200	2.8	J	0.94	J	NS	3.82	J	1.69	J	42.73	
Zinc	2,000	**2,500**	U		U		NS	20.74	U		169.6		

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Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-2									
		3/14/2007	6/5/2007				11/17/2016	5/23/2017	11/14/2017	6/4/2018
		Total	Total		Dissolved		Total	Total	Total	Total
Metals by EPA Methods 6020A and 7470A										
Aluminum		154,000	740	J	500	U	NS	NS	NS	NS
Antimony	3	U		U		U	NS	NS	NS	NS
Arsenic	25	**44 J**		U		U	NS	NS	NS	NS
Barium	1,000	**2,200**	100		120		NS	NS	NS	NS
Beryllium	3	**6.2 J**		U		U	NS	NS	NS	NS
Cadmium	5	**11 J**		U		U	NS	NS	NS	NS
Calcium		40,400	25,500		38,800		NS	NS	NS	NS
Chromium	50	**460**	2.1	J		U	NS	NS	NS	NS
Cobalt		130	2	J		U	NS	NS	NS	NS
Copper	200	**790**	4.5	J		U	NS	NS	NS	NS
Iron	300	**320,000**	**2,300**		**570**		NS	NS	NS	NS
Lead	25	**2,400 J**	16			U	NS	NS	NS	NS
Magnesium	35,000 (G)	**52,500**	9,500		14,300		NS	NS	NS	NS
Manganese	300	**7,000**	**320**		**340**		NS	NS	NS	NS
Mercury	0.7	**0.81 J**		U		U	NS	NS	NS	NS
Nickel	100	**290**	1.7	J		U	NS	NS	NS	NS
Potassium		29,100	7,200		9,000		NS	NS	NS	NS
Selenium	10	U		U		U	NS	NS	NS	NS
Silver	50	3.9 J		U		U	NS	NS	NS	NS
Sodium	20,000	**22,900**	14,800		16,300		NS	NS	NS	NS
Thallium	0.5	U		U		U	NS	NS	NS	NS
Vanadium		420	1.6	J		U	NS	NS	NS	NS
Zinc	2,000	**2,700**	22	J		U	NS	NS	NS	NS

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Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-3											
		3/14/2007	6/5/2007				11/17/2016	5/23/2017		11/15/2017		6/4/2018	
		Total	Total		Dissolved		Total	Total		Total		Total	
Metals by EPA Methods 6020A and 7470A													
Aluminum		206,000	2,400	J	500	U	NS	751		430		154	
Antimony	3	U		U		U	NS		U		U		U
Arsenic	25	**90**		U		U	NS	0.75		0.21	J		U
Barium	1,000	**1,800**	48		28		NS	45.17		43.95		44.58	
Beryllium	3	**5.5 J**		U		U	NS		U		U		U
Cadmium	5	**10 J**		U		U	NS		U		U		U
Calcium		55,300	17,900		18,400		NS	20,500		22,700		22,200	
Chromium	50	**620**	6.5	J	10	U	NS	3.18		1.94		1.04	
Cobalt		190	4.1	J	2.5	J	NS	1.09		1.5		0.87	
Copper	200	**460**	6.6	J		U	NS	2.21		1.87		1.46	
Iron	300	**353,000**	**4,100**			U	NS	**2,880**		**1,080**		**871**	
Lead	25	**460 J**	6.9	J		U	NS	4.04		1.04			U
Magnesium	35,000 (G)	**107,000**	7,000		6,100		NS	7,290		7,910		7,950	
Manganese	300	**3,500**	170		**400**		NS	20.32		32.39		21.97	
Mercury	0.7	0.24 J		U		U	NS		U		U		U
Nickel	100	**560**	7	J		U	NS	4.26		4.02		2.58	
Potassium		78,700	4,500		4,100		NS	6,140		6,030		5,740	
Selenium	10	U		U		U	NS		U		U		U
Silver	50	U		U		U	NS		U		U		U
Sodium	20,000	**24,600**	8,800		8,500		NS	18,100		17,200		17,100	
Thallium	0.5	U		U		U	NS		U		U		U
Vanadium		500	5.3			U	NS	2.55	J		U		U
Zinc	2,000	990	11	J		U	NS		U	4.99	J		U

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Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-4															
		3/14/2007		6/6/2007				11/17/2016		5/23/2017		11/15/2017		6/4/2018	
		Total		Total		Dissolved		Total		Total		Total		Total	
Metals by EPA Methods 6020A and 7470A															
Aluminum		101,000		5,000	J		U	7,430		1,990		810		19,200	
Antimony	3		U		U		U		U	0.56	J	0.46	J		U
Arsenic	25		U		U		U	0.8		0.44	J	0.29	J	1.2	
Barium	1,000	**1,000**		90		44		153.7		41.78		90.7		248.7	
Beryllium	3	**3.3**	**J**		U		U	0.2	J		U		U		U
Cadmium	5	**4.8**	J		U		U	0.1	J	0.11	J		U	0.69	
Calcium		99,100		77,400		79,900		154,000		164,000		160,000		72,900	
Chromium	50	**280**		13			U	21.2		5.79		2.75		**58.14**	
Cobalt		120		11			U	10.4		3.33		1.5		27.16	
Copper	200	**460**		28		3	J	40.2		12.77		7.54		98.51	
Iron	300	**188,000**		**8,700**		57	J	**14,400**		**3,850**		**1,530**		**36,800**	
Lead	25	**62**	**J**	4.4	J		U	4.5		1.21		0.58	J	12.69	
Magnesium	35,000 (G)	**81,000**		**36,400**		34,800		**49,900**		**58,700**		**58,400**		**36,200**	
Manganese	300	**2,400**		**350**		19		**352.6**		264.7		90.25		**1,146**	
Mercury	0.7		UJ		U		U		U		U		U		U
Nickel	100	**250**		14		3.2	J	24.4		14.59		6.7		62.8	
Potassium		51,300		19,000		19,200		13,000		18,800		19,400		20,800	
Selenium	10		U		U		U		U		U		U		U
Silver	50		U		U		U		U		U		U		U
Sodium	20,000	**59,400**		**41,100**		**45,700**		**74,200**		**35,900**		**49,800**		**46,800**	
Thallium	0.5		U		U		U		U		U		U		U
Vanadium		280		13			U	22.2		6.04		2.71	J	55.08	
Zinc	2,000	**360**		19	J		U	50		9.57	J	3.95	J	104.3	

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Bold Thick Outlined Cell indicates an exceedance of applicable NYSDEC Class GA Standard or Guidance Value

All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-5											
		3/14/2007		6/6/2007				11/17/2016		5/23/2017		11/15/2017		6/4/2018	
		Total		Total		Dissolved		Total		Total		Total		Total	
Metals by EPA Methods 6020A and 7470A															
Aluminum		211,000		950	J		U	1,220		226		2,000		6,070	
Antimony	3		U		U		U		U	0.82	J		U	**4.12**	
Arsenic	25		U		U		U	0.2	J		U	0.39	J		U
Barium	1,000	**1,700**		77		71		118.5		78.38		130.1		146.8	
Beryllium	3	**5.6**	**J**		U		U		U		U		U		U
Cadmium	5	**8.9**	**J**		U		U		U		U		U		U
Calcium		63,100		51,300		53,600		108,000		67,400		106,000		76,600	
Chromium	50	**740**		3.2	J		U	5.2		0.84	J	7.97		23.01	
Cobalt		210		2.1	J		U	1.9		0.78		2.71		6.56	
Copper	200	**860**		4.5	J		U	6.5		1.94		9.24		26.79	
Iron	300	**337,000**		**1,400**			U	**1,880**		**360**		**3,110**		**10,300**	
Lead	25	**64**	**J**		U		U	0.5	J		U	0.85	J	2.7	
Magnesium	35,000 (G)	**138,000**		24,700		24,900		**40,700**		**28,200**		**41,800**		**35,400**	
Manganese	300	**5,800**		180		180		39		12.76		59.2		160.2	
Mercury	0.7		UJ		U		U		U		U		U		U
Nickel	100	**540**		3.4	J		U	4.4		1.35	J	6.27		15.26	
Potassium		88,000		18,100		18,000		30,200		20,300		29,800		22,700	
Selenium	10		U		U		U		U		U		U		U
Silver	50		U		U		U		U		U		U		U
Sodium	20,000	**63,400**		**53,000**		**54,000**		**62,800**		**58,800**		**59,300**		**57,000**	
Thallium	0.5		U		U		U		U		U		U		U
Vanadium		520		1.7	J		U	3	J		U	5.22		14.87	
Zinc	2,000	**490**			U		U	6	J		U	6.63	J	16.08	

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All concentrations reported in micrograms per liter (ug/L) - parts per billion (ppb)

Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	DUPLICATE							
		11/17/2016 Total		5/23/2017 Total		11/15/2017 Total		6/4/2018 Total	
Metals by EPA Methods 6020A and 7470A		(SWRMW-4)		(SWRMW-3)		(SWRMW-1)		(SWRMW-3)	
Aluminum		7,160		806		37.1		212	
Antimony	3		U	0.92	J		U		U
Arsenic	25	0.6		0.83		1.27			U
Barium	1,000	150.4		47.07		314.5		44.11	
Beryllium	3	0.2	J		U		U		U
Cadmium	5	0.1	J		U		U		U
Calcium		148,000		20,600		206,000		21,400	
Chromium	50	20.1		2.9		2.03		1.21	
Cobalt		9.9		1.12		2.21		1.02	
Copper	200	39.5		2.04			U	1.59	
Iron	300	**13,400**		**2,820**		**48,200**		**890**	
Lead	25	4.4		3.94			U		U
Magnesium	35,000 (G)	**48,700**		7,340		**41,600**		7,560	
Manganese	300	**341.8**		20.19		**3,271**		22.82	
Mercury	0.7		U		U		U		U
Nickel	100	24.7		3.95		1.97	J	2.86	
Potassium		12,700		6,100		48,100		5,490	
Selenium	10		U		U		U		U
Silver	50		U		U		U		U
Sodium	20,000	**73,300**		17,900		**120,000**		16,600	
Thallium	0.5	0.2	J		U		U		U
Vanadium		20.3		2.64	J	1.58	J		U
Zinc	2,000	47.3		3.67	J		U		U

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Table 3
Summary of Groundwater Laboratory Analytical Results

Analyte (ug/L)	Class GA Standards	SWRMW-1						SWRMW-2						SWRMW-3					
		3/14/2007	6/5/2007	11/17/2016	5/23/2017	11/14/2017	6/4/2018	3/14/2007	6/5/2007	11/17/2016	5/23/2017	11/15/2017	6/4/2018	3/14/2007	6/5/2007	11/17/2016	5/23/2017	11/15/2017	6/4/2018
PCBs by EPA Method 8082A																			
Aroclor 1016		U	U		U	U	U	U	U	-	-	-	-	U	U		U	U	U
Aroclor 1221		U	U		U	U	U	U	U	-	-	-	-	U	U		U	U	U
Aroclor 1232		U	U		U	U	U	U	U	-	-	-	-	U	U		U	U	U
Aroclor 1242		U	U		U	U	U	U	U	-	-	-	-	U	U		U	U	U
Aroclor 1248		U	U		U	0.053 J	U	U	U	-	-	-	-	U	U		U	0.042 J	U
Aroclor 1254		U	U		U	U	U	U	U	-	-	-	-	U	U		U	U	U
Aroclor 1260		0.76	U		U	U	U	U	U	-	-	-	-	U	U		U	U	U
Aroclor 1262		-	-		U	U	U	-	-	-	-	-	-	-	-		U	U	U
Aroclor 1268		-	-		U	U	U	-	-	-	-	-	-	-	-		U	U	U
Total PCBs	0.09	0.76	ND	NS	ND	0.053	ND	ND	ND	NS	NS	NS	NS	ND	ND	NS	ND	0.042	ND

Analyte (ug/L)	Class GA Standards	SWRMW-4						SWRMW-5						DUPLICATE			
		3/14/2007	6/6/2007	11/17/2016	5/23/2017	11/17/2017	6/4/2018	3/14/2007	6/6/2007	11/17/2016	5/23/2017	11/15/2017	6/4/2018	11/17/2016	5/23/2017	11/15/2017	6/4/2018
PCBs by EPA Method 8082A														(SWRMW-4)	(SWRMW-3)	(SWRMW-1)	(SWRMW-3)
Aroclor 1016		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1221		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1232		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1242		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1248		U	U	U	U	U	U	U	U	U	U	0.05 J	U	U	U	0.056 J	U
Aroclor 1254		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1260		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Aroclor 1262		-	-	U	U	U	U	-	-	U	U	U	U	U	U	U	U
Aroclor 1268		-	-	U	U	U	U	-	-	U	U	U	U	U	U	U	U
Total PCBs	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	ND	ND	ND	0.056	ND

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Attachments

Attachment A

Groundwater Field Sampling Logs

Groundwater Field Sampling Log

Site Name: Lot 1- Austin Avenue Landfill **Date:** 6-4-2018 / 6-5-2018 **Project #:** 11134282

Sampler(s): BP **Sample ID:** SWR-MW01 **Sample Time:** 5:20:00 PM

Well Information:

Depth of Well (Top of PVC): 42.9 ft
Initial Static Water Level (Top of PVC): 37.47 ft
Depth to LNAPL/DNAPL (Top of PVC):
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	5.43	ft. of water x .16 =	0.87	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible: Centrifugal:
Airlift: X Pos. Displ.:
Bailer: Ded. Pump:

Volume of Water Removed: gallons

Dry: yes no

Field Tests:

		Units:		Units:
Temperature:	12.5	°C	pH: 6.42	units
Salinity:		%	ORP: 101	mV
Spec. Cond.:	1.92	mS/cm	Turbidity: 631.0	NTU
Diss. Oxygen:	0.23	mg/L	PID:	ppm

Sampling Method:

Stainless Bailer:
Teflon Bailer:
Pos. Disp. Pump:
Dis. Bailer:
Ded. Pump:
Other: X Bladder Pumps

Analysis: TAL Metals, TCL SVOCs
TCL PCBs

Observations:

Weather:
Physical Appearance and Odor of Sample: Water cloudy brown, no odor

Additional Comments:

Groundwater Field Sampling Log

Site Name: Lot 1 - Austin Avenue Landfill **Date:** 6-4-2018 / 6-5-2018 **Project #:** 11134282

Sampler(s): BP **Sample ID:** SWR-MW03 **Sample Time:** 4:15:00 PM

Well Information:

Depth of Well (Top of PVC):	35.7	ft
Initial Static Water Level (Top of PVC):	26.58	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	9.12	ft. of water x .16 =	1.46	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: _____ gallons

Dry: yes no

Field Tests:

		Units:		Units:
Temperature:	12.4	°C	pH: 5.00	units
Salinity:		%	ORP: 184	mV
Spec. Cond.:	0.301	mS/cm	Turbidity: 31.0	NTU
Diss. Oxygen:	0.89	mg/L	PID:	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	
Ded. Pump:	
Other:	X Bladder Pump

Analysis: TAL Metals, TCL SVOCs
TCL PCBs

Observations:

Weather:

Physical Appearance and Odor of Sample: Water clear, no odor

Additional Comments: Duplicate sample taken here at 16:15

Groundwater Field Sampling Log

Site Name: Lot 1 - Austin Avenue Landfill **Date:** 6-4-2018 / 6-5-2018 **Project #:** 11134282

Sampler(s): BP **Sample ID:** SWR-MW04 **Sample Time:** 11:30:00 AM

Well Information:

Depth of Well (Top of PVC): 18.32 ft
Initial Static Water Level (Top of PVC): 6.76 ft
Depth to LNAPL/DNAPL (Top of PVC):
LNAPL/DNAPL Thickness (inches):

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	11.56	ft. of water x .16 =	1.85	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible: Centrifugal:
Airlift: X Pos. Displ.:
Bailer: Ded. Pump:

Volume of Water Removed: gallons

Dry: yes no

Field Tests:

		Units:		Units:
Temperature:	13.1	°C	pH: 6.1	units
Salinity:		%	ORP: 177.0	mV
Spec. Cond.:	1.53	mS/cm	Turbidity: 296.0	NTU
Diss. Oxygen:	0.76	mg/L	PID:	ppm

Sampling Method:

Stainless Bailer:
Teflon Bailer:
Pos. Disp. Pump:
Dis. Bailer:
Ded. Pump:
Other: X Bladder Pump

Analysis: TAL Metals, TCL SVOCs
TCL PCBs

Observations:

Weather:
Physical Appearance and Odor of Sample: Water slightly cloudy, light brown, no odor

Additional Comments:

Groundwater Field Sampling Log

Site Name: Lot 1 - Austin Avenue Landfill

Date: 6-4-2018 / 6-5-2018

Project #: 11134282

Sampler(s): BP

Sample ID: SWR-MW05

Sample Time: 9:10:00 AM

Well Information:

Depth of Well (Top of PVC):	22.97	ft
Initial Static Water Level (Top of PVC):	10.31	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	12.66	ft. of water x .16 =	2.03	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: _____ gallons

Dry: yes no

Field Tests:

		Units:		Units:
Temperature:	13.4	°C	pH: 6.09	units
Salinity:		%	ORP: 158.0	mV
Spec. Cond.:	1.13	mS/cm	Turbidity: 313.0	NTU
Diss. Oxygen:	1.17	mg/L	PID:	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	
Ded. Pump:	
Other:	X Bladder Pump

Analysis: TAL Metals, TCL SVOCs
TCL PCBs

Observations:

Weather:

Physical Appearance and Odor of Sample: Water slightly cloudy, brown

Additional Comments: MS/MSD sample taken here at 9:10

Attachment B

Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L1820720
Client:	GHD, Inc. One Remington Park Drive Cazenovia, NY 13035
ATTN:	Ian McNamara
Phone:	(315) 679-5800
Project Name:	LOT 1
Project Number:	11134282
Report Date:	06/12/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1820720-01	WG-LOT1SWRMW1	WATER	YONKERS, NY	06/04/18 17:20	06/05/18
L1820720-02	WG-LOT1SWRMW03	WATER	YONKERS, NY	06/04/18 16:15	06/05/18
L1820720-03	WG-LOT1SWRMW03B	WATER	YONKERS, NY	06/04/18 16:16	06/05/18
L1820720-04	WG-LOT1SWRMW05	WATER	YONKERS, NY	06/05/18 09:10	06/05/18
L1820720-05	WG-LOT1SWRMW04	WATER	YONKERS, NY	06/05/18 11:30	06/05/18

Project Name: LOT 1 **Lab Number:** L1820720
Project Number: 11134282 **Report Date:** 06/12/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LOT 1 **Lab Number:** L1820720
Project Number: 11134282 **Report Date:** 06/12/18

Case Narrative (continued)

Sample Receipt

L1820720-05: One container for the Semivolatile Organics and Semivolatile Organics by SIM analyses was received broken; however, there was adequate sample container to perform the requested analyses.

Semivolatile Organics by SIM

The surrogate recoveries for the WG1124355-6/-7 MS/MSD, performed on L1820720-04, are outside the acceptance criteria for 2-fluorophenol (10%, 10%), phenol-d6 (8%, 8%), nitrobenzene-d5 (13%, 13%) and 4-terphenyl-d14 (16%, 17%). The associated MS/MSD spike compounds are within overall method allowances; therefore, no further action was taken.

Total Metals

The WG1123846-3/-4 MS/MSD recoveries for iron (0%/0%) and sodium (204%/208%), performed on L1820720-04, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1123846-3/-4 MS/MSD recoveries, performed on L1820720-04, are outside the acceptance criteria for aluminum (29%/44%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Amita Naik

Title: Technical Director/Representative Date: 06/12/18

ORGANICS

SEMIVOLATILES

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-01
Client ID: WG-LOT1SWRMW1
Sample Location: YONKERS, NY

Date Collected: 06/04/18 17:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 18:19
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	16.		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-01 Date Collected: 06/04/18 17:20

Client ID: WG-LOT1SWRMW1 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Atrazine	ND		ug/l	10	--	1
Benzaldehyde	ND		ug/l	5.0	--	1
Caprolactam	ND		ug/l	10	--	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	80		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-01
Client ID: WG-LOT1SWRMW1
Sample Location: YONKERS, NY

Date Collected: 06/04/18 17:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 14:44
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	0.11		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	0.11		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-01 Date Collected: 06/04/18 17:20

Client ID: WG-LOT1SWRMW1 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	70		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-02
Client ID: WG-LOT1SWRMW03
Sample Location: YONKERS, NY

Date Collected: 06/04/18 16:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 17:03
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-02 Date Collected: 06/04/18 16:15

Client ID: WG-LOT1SWRMW03 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Atrazine	ND		ug/l	10	--	1
Benzaldehyde	ND		ug/l	5.0	--	1
Caprolactam	ND		ug/l	10	--	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	81		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-02
Client ID: WG-LOT1SWRMW03
Sample Location: YONKERS, NY

Date Collected: 06/04/18 16:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 15:15
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-02 Date Collected: 06/04/18 16:15

Client ID: WG-LOT1SWRMW03 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	72		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-03
Client ID: WG-LOT1SWRMW03B
Sample Location: YONKERS, NY

Date Collected: 06/04/18 16:16
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 17:28
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-03 Date Collected: 06/04/18 16:16

Client ID: WG-LOT1SWRMW03B Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Atrazine	ND		ug/l	10	--	1
Benzaldehyde	ND		ug/l	5.0	--	1
Caprolactam	ND		ug/l	10	--	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	88		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-03
Client ID: WG-LOT1SWRMW03B
Sample Location: YONKERS, NY

Date Collected: 06/04/18 16:16
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 15:45
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-03 Date Collected: 06/04/18 16:16

Client ID: WG-LOT1SWRMW03B Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	77		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-04
Client ID: WG-LOT1SWRMW05
Sample Location: YONKERS, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/11/18 13:01
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-04 Date Collected: 06/05/18 09:10

Client ID: WG-LOT1SWRMW05 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Atrazine	ND		ug/l	10	--	1
Benzaldehyde	ND		ug/l	5.0	--	1
Caprolactam	ND		ug/l	10	--	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	87		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-04
Client ID: WG-LOT1SWRMW05
Sample Location: YONKERS, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 12:10
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-04 Date Collected: 06/05/18 09:10

Client ID: WG-LOT1SWRMW05 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	75		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-05
Client ID: WG-LOT1SWRMW04
Sample Location: YONKERS, NY

Date Collected: 06/05/18 11:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/18 17:53
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-05 Date Collected: 06/05/18 11:30

Client ID: WG-LOT1SWRMW04 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Atrazine	ND		ug/l	10	--	1
Benzaldehyde	ND		ug/l	5.0	--	1
Caprolactam	ND		ug/l	10	--	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	82		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-05
Client ID: WG-LOT1SWRMW04
Sample Location: YONKERS, NY

Date Collected: 06/05/18 11:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 16:16
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-05 Date Collected: 06/05/18 11:30

Client ID: WG-LOT1SWRMW04 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	72		41-149

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/18 13:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1124354-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Isophorone	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	2.0	--
NDPA/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Biphenyl	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	--
Acetophenone	ND		ug/l	5.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
p-Chloro-m-cresol	ND		ug/l	2.0	--

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/18 13:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1124354-1					
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Carbazole	ND		ug/l	2.0	--
Atrazine	ND		ug/l	10	--
Benzaldehyde	ND		ug/l	5.0	--
Caprolactam	ND		ug/l	10	--
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	--
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/10/18 13:13
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1124354-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	88		41-149

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 08:24
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1124355-1					
Acenaphthene	ND		ug/l	0.10	--
2-Chloronaphthalene	ND		ug/l	0.20	--
Fluoranthene	ND		ug/l	0.10	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	0.10	--
Benzo(a)anthracene	ND		ug/l	0.10	--
Benzo(a)pyrene	ND		ug/l	0.10	--
Benzo(b)fluoranthene	ND		ug/l	0.10	--
Benzo(k)fluoranthene	ND		ug/l	0.10	--
Chrysene	ND		ug/l	0.10	--
Acenaphthylene	ND		ug/l	0.10	--
Anthracene	ND		ug/l	0.10	--
Benzo(ghi)perylene	ND		ug/l	0.10	--
Fluorene	ND		ug/l	0.10	--
Phenanthrene	ND		ug/l	0.10	--
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--
Pyrene	ND		ug/l	0.10	--
2-Methylnaphthalene	ND		ug/l	0.10	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--
Hexachloroethane	ND		ug/l	0.80	--

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/11/18 08:24
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 23:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG1124355-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	86		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1124354-2 WG1124354-3								
Bis(2-chloroethyl)ether	76		81		40-140	6		30
3,3'-Dichlorobenzidine	72		76		40-140	5		30
2,4-Dinitrotoluene	101		102		48-143	1		30
2,6-Dinitrotoluene	97		97		40-140	0		30
4-Chlorophenyl phenyl ether	81		81		40-140	0		30
4-Bromophenyl phenyl ether	82		85		40-140	4		30
Bis(2-chloroisopropyl)ether	86		92		40-140	7		30
Bis(2-chloroethoxy)methane	81		87		40-140	7		30
Hexachlorocyclopentadiene	53		55		40-140	4		30
Isophorone	84		89		40-140	6		30
Nitrobenzene	82		86		40-140	5		30
NDPA/DPA	85		86		40-140	1		30
n-Nitrosodi-n-propylamine	82		88		29-132	7		30
Bis(2-ethylhexyl)phthalate	95		98		40-140	3		30
Butyl benzyl phthalate	100		101		40-140	1		30
Di-n-butylphthalate	93		96		40-140	3		30
Di-n-octylphthalate	99		102		40-140	3		30
Diethyl phthalate	91		93		40-140	2		30
Dimethyl phthalate	88		89		40-140	1		30
Biphenyl	70		72		40-140	3		30
4-Chloroaniline	79		74		40-140	7		30
2-Nitroaniline	95		98		52-143	3		30
3-Nitroaniline	81		79		25-145	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1124354-2 WG1124354-3								
4-Nitroaniline	88		86		51-143	2		30
Dibenzofuran	80		80		40-140	0		30
1,2,4,5-Tetrachlorobenzene	62		65		2-134	5		30
Acetophenone	76		81		39-129	6		30
2,4,6-Trichlorophenol	89		92		30-130	3		30
p-Chloro-m-cresol	87		88		23-97	1		30
2-Chlorophenol	73		76		27-123	4		30
2,4-Dichlorophenol	82		88		30-130	7		30
2,4-Dimethylphenol	82		86		30-130	5		30
2-Nitrophenol	84		88		30-130	5		30
4-Nitrophenol	71		73		10-80	3		30
2,4-Dinitrophenol	94		100		20-130	6		30
4,6-Dinitro-o-cresol	117		120		20-164	3		30
Phenol	41		43		12-110	5		30
3-Methylphenol/4-Methylphenol	74		74		30-130	0		30
2,4,5-Trichlorophenol	87		89		30-130	2		30
Carbazole	87		90		55-144	3		30
Atrazine	90		95		40-140	5		30
Benzaldehyde	67		75		40-140	11		30
Caprolactam	34		34		10-130	0		30
2,3,4,6-Tetrachlorophenol	88		93		40-140	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1124354-2 WG1124354-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		53		21-120
Phenol-d6	40		42		10-120
Nitrobenzene-d5	76		83		23-120
2-Fluorobiphenyl	74		77		15-120
2,4,6-Tribromophenol	82		84		10-120
4-Terphenyl-d14	83		84		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1124355-2 WG1124355-3								
Acenaphthene	79		78		40-140	1		40
2-Chloronaphthalene	74		72		40-140	3		40
Fluoranthene	89		90		40-140	1		40
Hexachlorobutadiene	64		62		40-140	3		40
Naphthalene	71		69		40-140	3		40
Benzo(a)anthracene	84		84		40-140	0		40
Benzo(a)pyrene	85		86		40-140	1		40
Benzo(b)fluoranthene	90		91		40-140	1		40
Benzo(k)fluoranthene	85		85		40-140	0		40
Chrysene	83		84		40-140	1		40
Acenaphthylene	81		80		40-140	1		40
Anthracene	86		86		40-140	0		40
Benzo(ghi)perylene	77		78		40-140	1		40
Fluorene	85		83		40-140	2		40
Phenanthrene	84		83		40-140	1		40
Dibenzo(a,h)anthracene	72		72		40-140	0		40
Indeno(1,2,3-cd)pyrene	79		79		40-140	0		40
Pyrene	87		88		40-140	1		40
2-Methylnaphthalene	71		70		40-140	1		40
Pentachlorophenol	70		63		40-140	11		40
Hexachlorobenzene	108		108		40-140	0		40
Hexachloroethane	65		63		40-140	3		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG1124355-2 WG1124355-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		48		21-120
Phenol-d6	39		37		10-120
Nitrobenzene-d5	78		73		23-120
2-Fluorobiphenyl	69		66		15-120
2,4,6-Tribromophenol	96		92		10-120
4-Terphenyl-d14	78		77		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1124354-6 WG1124354-7 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05												
Bis(2-chloroethyl)ether	ND	40	28	70		27	68		40-140	4		30
3,3'-Dichlorobenzidine	ND	40	23	58		18	45		40-140	24		30
2,4-Dinitrotoluene	ND	40	41	100		38	95		48-143	8		30
2,6-Dinitrotoluene	ND	40	38	95		37	93		40-140	3		30
4-Chlorophenyl phenyl ether	ND	40	36	90		35	88		40-140	3		30
4-Bromophenyl phenyl ether	ND	40	39	98		38	95		40-140	3		30
Bis(2-chloroisopropyl)ether	ND	40	23	58		24	60		40-140	4		30
Bis(2-chloroethoxy)methane	ND	40	32	80		33	83		40-140	3		30
Hexachlorocyclopentadiene	ND	40	24	60		24	60		40-140	0		30
Isophorone	ND	40	36	90		35	88		40-140	3		30
Nitrobenzene	ND	40	39	98		40	100		40-140	3		30
NDPA/DPA	ND	40	37	93		34	85		40-140	8		30
n-Nitrosodi-n-propylamine	ND	40	39	98		39	98		29-132	0		30
Bis(2-ethylhexyl)phthalate	ND	40	45	110		41	100		40-140	9		30
Butyl benzyl phthalate	ND	40	47	120		42	110		40-140	11		30
Di-n-butylphthalate	ND	40	43	110		39	98		40-140	10		30
Di-n-octylphthalate	ND	40	46	120		41	100		40-140	11		30
Diethyl phthalate	ND	40	42	110		38	95		40-140	10		30
Dimethyl phthalate	ND	40	40	100		36	90		40-140	11		30
Biphenyl	ND	40	34	85		33	83		40-140	3		30
4-Chloroaniline	ND	40	35	88		29	73		40-140	19		30
2-Nitroaniline	ND	40	35	88		30	75		52-143	15		30
3-Nitroaniline	ND	40	28	70		24	60		25-145	15		30

Matrix Spike Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1124354-6 WG1124354-7 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05												
4-Nitroaniline	ND	40	28	70		24	60		51-143	15		30
Dibenzofuran	ND	40	35	88		34	85		40-140	3		30
1,2,4,5-Tetrachlorobenzene	ND	40	32	80		32	80		2-134	0		30
Acetophenone	ND	40	35	88		36	90		39-129	3		30
2,4,6-Trichlorophenol	ND	40	38	95		36	90		30-130	5		30
p-Chloro-m-cresol	ND	40	43	**110**	Q	39	**98**	Q	23-97	10		30
2-Chlorophenol	ND	40	30	75		30	75		27-123	0		30
2,4-Dichlorophenol	ND	40	34	85		33	83		30-130	3		30
2,4-Dimethylphenol	ND	40	38	95		36	90		30-130	5		30
2-Nitrophenol	ND	40	32	80		32	80		30-130	0		30
4-Nitrophenol	ND	40	40	**100**	Q	37	**93**	Q	10-80	8		30
2,4-Dinitrophenol	ND	40	34	85		32	80		20-130	6		30
4,6-Dinitro-o-cresol	ND	40	45	110		40	100		20-164	12		30
Phenol	ND	40	18	45		17	43		12-110	6		30
3-Methylphenol/4-Methylphenol	ND	40	30	75		29	73		30-130	3		30
2,4,5-Trichlorophenol	ND	40	41	100		37	93		30-130	10		30
Carbazole	ND	40	40	100		35	88		55-144	13		30
Atrazine	ND	40	48	120		44	110		40-140	9		30
Benzaldehyde	ND	40	31	78		32	80		40-140	3		30
Caprolactam	ND	40	11	28		11	28		10-130	0		30
2,3,4,6-Tetrachlorophenol	ND	40	39	98		36	90		40-140	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: LOT 1 ***Lab Number:*** L1820720

Project Number: 11134282 ***Report Date:*** 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1124354-6 WG1124354-7 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	94		87		10-120
2-Fluorobiphenyl	83		80		15-120
2-Fluorophenol	48		49		21-120
4-Terphenyl-d14	98		86		41-149
Nitrobenzene-d5	87		91		23-120
Phenol-d6	41		40		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1124355-6 WG1124355-7 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05												
Acenaphthene	ND	10	6.0	60		6.3	63		40-140	5		40
2-Chloronaphthalene	ND	10	5.1	51		5.3	53		40-140	4		40
Fluoranthene	ND	10	6.3	63		7.0	70		40-140	11		40
Hexachlorobutadiene	ND	10	4.3	43		4.4	44		40-140	2		40
Naphthalene	ND	10	5.2	52		5.2	52		40-140	0		40
Benzo(a)anthracene	ND	10	6.3	63		7.0	70		40-140	11		40
Benzo(a)pyrene	ND	10	6.0	60		6.6	66		40-140	10		40
Benzo(b)fluoranthene	ND	10	6.3	63		7.0	70		40-140	11		40
Benzo(k)fluoranthene	ND	10	6.3	63		6.9	69		40-140	9		40
Chrysene	ND	10	6.7	67		7.4	74		40-140	10		40
Acenaphthylene	ND	10	5.6	56		5.9	59		40-140	5		40
Anthracene	ND	10	6.4	64		7.1	71		40-140	10		40
Benzo(ghi)perylene	ND	10	6.2	62		6.8	68		40-140	9		40
Fluorene	ND	10	6.2	62		6.6	66		40-140	6		40
Phenanthrene	ND	10	6.4	64		7.0	70		40-140	9		40
Dibenzo(a,h)anthracene	ND	10	6.3	63		7.0	70		40-140	11		40
Indeno(1,2,3-cd)pyrene	ND	10	6.4	64		7.0	70		40-140	9		40
Pyrene	ND	10	6.2	62		6.9	69		40-140	11		40
2-Methylnaphthalene	ND	10	5.1	51		5.2	52		40-140	2		40
Pentachlorophenol	ND	10	6.4	64		7.2	72		40-140	12		40
Hexachlorobenzene	ND	10	6.7	67		7.2	72		40-140	7		40
Hexachloroethane	ND	10	4.2	42		4.0	40		40-140	5		40

Matrix Spike Analysis

Batch Quality Control

Project Name: LOT 1 ***Lab Number:*** L1820720

Project Number: 11134282 ***Report Date:*** 06/12/18

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1124355-6 WG1124355-7 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
2,4,6-Tribromophenol	17		19		10-120
2-Fluorobiphenyl	15		16		15-120
2-Fluorophenol	**10**	Q	**10**	Q	21-120
4-Terphenyl-d14	**16**	Q	**17**	Q	41-149
Nitrobenzene-d5	**13**	Q	**13**	Q	23-120
Phenol-d6	**8**	Q	**8**	Q	10-120

PCBS

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-01
Client ID: WG-LOT1SWRMW1
Sample Location: YONKERS, NY

Date Collected: 06/04/18 17:20
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 02:39
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	--	1	A
Aroclor 1221	ND		ug/l	0.083	--	1	A
Aroclor 1232	ND		ug/l	0.083	--	1	A
Aroclor 1242	ND		ug/l	0.083	--	1	A
Aroclor 1248	ND		ug/l	0.083	--	1	A
Aroclor 1254	ND		ug/l	0.083	--	1	A
Aroclor 1260	ND		ug/l	0.083	--	1	B
Aroclor 1262	ND		ug/l	0.083	--	1	A
Aroclor 1268	ND		ug/l	0.083	--	1	A
PCBs, Total	ND		ug/l	0.083	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-02
Client ID: WG-LOT1SWRMW03
Sample Location: YONKERS, NY

Date Collected: 06/04/18 16:15
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 02:52
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	--	1	A
Aroclor 1221	ND		ug/l	0.083	--	1	A
Aroclor 1232	ND		ug/l	0.083	--	1	A
Aroclor 1242	ND		ug/l	0.083	--	1	A
Aroclor 1248	ND		ug/l	0.083	--	1	A
Aroclor 1254	ND		ug/l	0.083	--	1	A
Aroclor 1260	ND		ug/l	0.083	--	1	A
Aroclor 1262	ND		ug/l	0.083	--	1	A
Aroclor 1268	ND		ug/l	0.083	--	1	A
PCBs, Total	ND		ug/l	0.083	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-03
Client ID: WG-LOT1SWRMW03B
Sample Location: YONKERS, NY

Date Collected: 06/04/18 16:16
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 03:04
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	--	1	A
Aroclor 1221	ND		ug/l	0.083	--	1	A
Aroclor 1232	ND		ug/l	0.083	--	1	A
Aroclor 1242	ND		ug/l	0.083	--	1	A
Aroclor 1248	ND		ug/l	0.083	--	1	A
Aroclor 1254	ND		ug/l	0.083	--	1	A
Aroclor 1260	ND		ug/l	0.083	--	1	A
Aroclor 1262	ND		ug/l	0.083	--	1	A
Aroclor 1268	ND		ug/l	0.083	--	1	A
PCBs, Total	ND		ug/l	0.083	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-04
Client ID: WG-LOT1SWRMW05
Sample Location: YONKERS, NY

Date Collected: 06/05/18 09:10
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 01:25
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	--	1	A
Aroclor 1221	ND		ug/l	0.083	--	1	A
Aroclor 1232	ND		ug/l	0.083	--	1	A
Aroclor 1242	ND		ug/l	0.083	--	1	A
Aroclor 1248	ND		ug/l	0.083	--	1	A
Aroclor 1254	ND		ug/l	0.083	--	1	A
Aroclor 1260	ND		ug/l	0.083	--	1	A
Aroclor 1262	ND		ug/l	0.083	--	1	A
Aroclor 1268	ND		ug/l	0.083	--	1	A
PCBs, Total	ND		ug/l	0.083	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-05
Client ID: WG-LOT1SWRMW04
Sample Location: YONKERS, NY

Date Collected: 06/05/18 11:30
Date Received: 06/05/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/18 03:16
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	--	1	A
Aroclor 1221	ND		ug/l	0.083	--	1	A
Aroclor 1232	ND		ug/l	0.083	--	1	A
Aroclor 1242	ND		ug/l	0.083	--	1	A
Aroclor 1248	ND		ug/l	0.083	--	1	A
Aroclor 1254	ND		ug/l	0.083	--	1	A
Aroclor 1260	ND		ug/l	0.083	--	1	A
Aroclor 1262	ND		ug/l	0.083	--	1	A
Aroclor 1268	ND		ug/l	0.083	--	1	A
PCBs, Total	ND		ug/l	0.083	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/18 00:48
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/09/18 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1124333-1						
Aroclor 1016	ND		ug/l	0.083	--	A
Aroclor 1221	ND		ug/l	0.083	--	A
Aroclor 1232	ND		ug/l	0.083	--	A
Aroclor 1242	ND		ug/l	0.083	--	A
Aroclor 1248	ND		ug/l	0.083	--	A
Aroclor 1254	ND		ug/l	0.083	--	A
Aroclor 1260	ND		ug/l	0.083	--	A
Aroclor 1262	ND		ug/l	0.083	--	A
Aroclor 1268	ND		ug/l	0.083	--	A
PCBs, Total	ND		ug/l	0.083	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1124333-2 WG1124333-3									
Aroclor 1016	82		78		40-140	4		50	A
Aroclor 1260	93		87		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		62		30-150	A
Decachlorobiphenyl	72		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		57		30-150	B
Decachlorobiphenyl	63		61		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1124333-4 WG1124333-5 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05													
Aroclor 1016	ND	2.6	2.25	86		2.30	88		40-140	2		50	A
Aroclor 1260	ND	2.6	2.46	94		2.56	98		40-140	4		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		72		30-150	A
Decachlorobiphenyl	51		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		67		30-150	B
Decachlorobiphenyl	42		48		30-150	B

METALS

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-01 Date Collected: 06/04/18 17:20

Client ID: WG-LOT1SWRMW1 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	13.6		mg/l	0.0100	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00385		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Barium, Total	0.4105		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00088		mg/l	0.00020	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Calcium, Total	204.		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Chromium, Total	0.05413		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Cobalt, Total	0.02225		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Copper, Total	0.09606		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Iron, Total	76.3		mg/l	0.0500	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Lead, Total	0.03338		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Magnesium, Total	41.4		mg/l	0.0700	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Manganese, Total	8.459		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	--	1	06/07/18 11:35	06/07/18 21:13	EPA 7470A	1,7470A	EA
Nickel, Total	0.05610		mg/l	0.00200	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Potassium, Total	40.8		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Silver, Total	0.00161		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Sodium, Total	62.5		mg/l	0.200	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Vanadium, Total	0.04273		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM
Zinc, Total	0.1696		mg/l	0.01000	--	1	06/08/18 09:40	06/11/18 13:48	EPA 3005A	1,6020A	AM

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-02 Date Collected: 06/04/18 16:15

Client ID: WG-LOT1SWRMW03 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.154		mg/l	0.0100	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Barium, Total	0.04458		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Calcium, Total	22.2		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Chromium, Total	0.00104		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00087		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Copper, Total	0.00146		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Iron, Total	0.871		mg/l	0.0500	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Magnesium, Total	7.95		mg/l	0.0700	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Manganese, Total	0.02197		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	--	1	06/07/18 11:35	06/07/18 21:15	EPA 7470A	1,7470A	EA
Nickel, Total	0.00258		mg/l	0.00200	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Potassium, Total	5.74		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Sodium, Total	17.1		mg/l	0.200	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	--	1	06/08/18 09:40	06/11/18 13:51	EPA 3005A	1,6020A	AM

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-03 Date Collected: 06/04/18 16:16

Client ID: WG-LOT1SWRMW03B Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.212		mg/l	0.0100	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Barium, Total	0.04411		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Calcium, Total	21.4		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Chromium, Total	0.00121		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00102		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Copper, Total	0.00159		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Iron, Total	0.890		mg/l	0.0500	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Magnesium, Total	7.56		mg/l	0.0700	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Manganese, Total	0.02282		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	--	1	06/07/18 11:35	06/07/18 21:16	EPA 7470A	1,7470A	EA
Nickel, Total	0.00286		mg/l	0.00200	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Potassium, Total	5.49		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Sodium, Total	16.6		mg/l	0.200	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	--	1	06/08/18 09:40	06/11/18 13:55	EPA 3005A	1,6020A	AM

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-04 Date Collected: 06/05/18 09:10

Client ID: WG-LOT1SWRMW05 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6.07		mg/l	0.0100	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Antimony, Total	0.00412		mg/l	0.00400	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Barium, Total	0.1468		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Calcium, Total	76.6		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Chromium, Total	0.02301		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00656		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Copper, Total	0.02679		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Iron, Total	10.3		mg/l	0.0500	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Lead, Total	0.00270		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Magnesium, Total	35.4		mg/l	0.0700	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Manganese, Total	0.1602		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	--	1	06/07/18 11:35	06/07/18 21:03	EPA 7470A	1,7470A	EA
Nickel, Total	0.01526		mg/l	0.00200	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Potassium, Total	22.7		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Sodium, Total	57.0		mg/l	0.200	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Vanadium, Total	0.01487		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM
Zinc, Total	0.01608		mg/l	0.01000	--	1	06/08/18 09:40	06/11/18 13:07	EPA 3005A	1,6020A	AM

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

SAMPLE RESULTS

Lab ID: L1820720-05 Date Collected: 06/05/18 11:30

Client ID: WG-LOT1SWRMW04 Date Received: 06/05/18

Sample Location: YONKERS, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	19.2		mg/l	0.0100	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00120		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Barium, Total	0.2487		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00069		mg/l	0.00020	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Calcium, Total	72.9		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Chromium, Total	0.05814		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Cobalt, Total	0.02716		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Copper, Total	0.09851		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Iron, Total	36.8		mg/l	0.0500	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Lead, Total	0.01269		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Magnesium, Total	36.2		mg/l	0.0700	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Manganese, Total	1.146		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	--	1	06/07/18 11:35	06/07/18 21:18	EPA 7470A	1,7470A	EA
Nickel, Total	0.06280		mg/l	0.00200	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Potassium, Total	20.8		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Sodium, Total	46.8		mg/l	0.200	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Vanadium, Total	0.05508		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM
Zinc, Total	0.1043		mg/l	0.01000	--	1	06/08/18 09:40	06/11/18 13:59	EPA 3005A	1,6020A	AM

Project Name: LOT 1 **Lab Number:** L1820720

Project Number: 11134282 **Report Date:** 06/12/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1123509-1										
Mercury, Total	ND		mg/l	0.00020	--	1	06/07/18 11:35	06/07/18 20:59	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1123846-1										
Aluminum, Total	ND		mg/l	0.0100	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Iron, Total	ND		mg/l	0.0500	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Silver, Total	ND		mg/l	0.00100	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Sodium, Total	ND		mg/l	0.200	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	--	1	06/08/18 09:40	06/11/18 12:59	1,6020A	AM

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1123509-2								
Mercury, Total	87		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1123846-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	99	-	80-120	-	
Beryllium, Total	101	-	80-120	-	
Cadmium, Total	104	-	80-120	-	
Calcium, Total	106	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	100	-	80-120	-	
Copper, Total	97	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	104	-	80-120	-	
Magnesium, Total	103	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	99	-	80-120	-	
Selenium, Total	110	-	80-120	-	
Silver, Total	87	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOT 1

Project Number: 11134282

Lab Number: L1820720

Report Date: 06/12/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1123846-2					
Zinc, Total	105	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1123509-3 WG1123509-4 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05												
Mercury, Total	ND	0.005	0.00413	83		0.00403	81		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1123846-3 WG1123846-4 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05											
Aluminum, Total	6.07	2	6.65	**29**	Q	6.96	**44**	Q	75-125	5	20
Antimony, Total	0.00412	0.5	0.5172	103		0.5429	108		75-125	5	20
Arsenic, Total	ND	0.12	0.1192	99		0.1226	102		75-125	3	20
Barium, Total	0.1468	2	2.080	97		2.106	98		75-125	1	20
Beryllium, Total	ND	0.05	0.04942	99		0.05045	101		75-125	2	20
Cadmium, Total	ND	0.051	0.05255	103		0.05444	107		75-125	4	20
Calcium, Total	76.6	10	87.2	106		88.2	116		75-125	1	20
Chromium, Total	0.02301	0.2	0.2150	96		0.2152	96		75-125	0	20
Cobalt, Total	0.00656	0.5	0.5085	100		0.5063	100		75-125	0	20
Copper, Total	0.02679	0.25	0.2554	91		0.2631	94		75-125	3	20
Iron, Total	10.3	1	8.50	**0**	Q	9.07	**0**	Q	75-125	6	20
Lead, Total	0.00270	0.51	0.5261	103		0.5384	105		75-125	2	20
Magnesium, Total	35.4	10	45.2	98		45.2	98		75-125	0	20
Manganese, Total	0.1602	0.5	0.6367	95		0.6451	97		75-125	1	20
Nickel, Total	0.01526	0.5	0.4814	93		0.4988	97		75-125	4	20
Potassium, Total	22.7	10	32.3	96		31.7	90		75-125	2	20
Selenium, Total	ND	0.12	0.126	105		0.124	103		75-125	2	20
Silver, Total	ND	0.05	0.04001	80		0.04498	90		75-125	12	20
Sodium, Total	57.0	10	77.4	**204**	Q	77.8	**208**	Q	75-125	1	20
Thallium, Total	ND	0.12	0.1187	99		0.1206	100		75-125	2	20
Vanadium, Total	0.01487	0.5	0.5005	97		0.4986	97		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1123846-3 WG1123846-4 QC Sample: L1820720-04 Client ID: WG-LOT1SWRMW05									
Zinc, Total	0.01608	0.5	0.5131	99	0.5271	102	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1123846-7 WG1123846-8 QC Sample: L1820722-02 Client ID: MS Sample											
Aluminum, Total	1.91	2	3.36	**72**	Q	3.45	77		75-125	3	20
Antimony, Total	ND	0.5	0.5546	111		0.5556	111		75-125	0	20
Arsenic, Total	ND	0.12	0.1293	108		0.1301	108		75-125	1	20
Barium, Total	0.05744	2	2.110	103		2.052	100		75-125	3	20
Beryllium, Total	ND	0.05	0.05150	103		0.05179	104		75-125	1	20
Cadmium, Total	ND	0.051	0.05575	109		0.05430	106		75-125	3	20
Calcium, Total	296	10	307	110		311	**150**	Q	75-125	1	20
Chromium, Total	0.00571	0.2	0.2010	98		0.2052	100		75-125	2	20
Cobalt, Total	0.02234	0.5	0.5201	100		0.5234	100		75-125	1	20
Copper, Total	0.03018	0.25	0.2676	95		0.2705	96		75-125	1	20
Iron, Total	3.08	1	2.92	**0**	Q	3.02	**0**	Q	75-125	3	20
Lead, Total	0.01263	0.51	0.5614	108		0.5371	103		75-125	4	20
Magnesium, Total	56.0	10	67.5	115		67.9	119		75-125	1	20
Manganese, Total	1.637	0.5	2.150	103		2.152	103		75-125	0	20
Nickel, Total	0.01109	0.5	0.4954	97		0.4786	94		75-125	3	20
Potassium, Total	20.5	10	30.3	98		31.2	107		75-125	3	20
Selenium, Total	0.00842	0.12	0.144	113		0.138	108		75-125	4	20
Silver, Total	ND	0.05	0.04201	84		0.04377	88		75-125	4	20
Sodium, Total	33.0	10	49.8	**168**	Q	49.4	**164**	Q	75-125	1	20
Thallium, Total	ND	0.12	0.1247	104		0.1186	99		75-125	5	20
Vanadium, Total	0.00619	0.5	0.5064	100		0.4949	98		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1123846-7 WG1123846-8 QC Sample: L1820722-02 Client ID: MS Sample									
Zinc, Total	0.01579	0.5	0.5252	102	0.5208	101	75-125	1	20

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820720-01A	Plastic 250ml HNO3 preserved	B	<2	<2	3.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1820720-01B	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-01C	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-01D	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-01E	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-02A	Plastic 250ml HNO3 preserved	B	<2	<2	3.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1820720-02D	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-02E	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-02F	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-02G	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820720-03A	Plastic 250ml HNO3 preserved	B	<2	<2	3.9	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1820720-03B	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-03C	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-03D	Amber 1000ml unpreserved	B	7	7	3.9	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-03E	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-04A	Plastic 250ml HNO3 preserved	C	<2	<2	5.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1820720-04A1	Plastic 250ml HNO3 preserved	C	<2	<2	5.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1820720-04A2	Plastic 250ml HNO3 preserved	C	<2	<2	5.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1820720-04D	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-04D1	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-04D2	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-04E	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: LOT 1
Project Number: 11134282

Lab Number: L1820720
Report Date: 06/12/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1820720-04E1	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-04E2	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-04F	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-04F1	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-04F2	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-04G	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-04G1	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-04G2	Amber 1000ml unpreserved	C	7	7	5.1	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-05A	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1820720-05D	Amber 1000ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-05E	Amber 1000ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8082-1200ML(7)
L1820720-05F	Amber 1000ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)
L1820720-05G	Amber 1000ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name:	LOT 1	**Lab Number:**	L1820720
Project Number:	11134282	**Report Date:**	06/12/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	LOT 1	**Lab Number:**	L1820720
Project Number:	11134282	**Report Date:**	06/12/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	LOT 1	**Lab Number:**	L1820720
Project Number:	11134282	**Report Date:**	06/12/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/6/18

ALPHA Job #: L1820720

Client Information
Client: GHD
Address: Carescroft, NY
Phone:
Fax:
Email:

Project Information
Project Name: LOT 1
Project Location: Yonkers, NY
Project #: 11134282
(Use Project name as Project #) ☐
Project Manager: Ian McNamara
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082-1100	NYTCL-8270	TAL Hg TAL (mcl)	Total Bottle	Sample Specific Comments
20720-01	WG-LOT1SWRMW1	6/4/18	1720	GW	BKP	2	2	1		
02	WG-LOT1SWRMW03	6/4/18	1615	GW	BKP	2	2	1		
03	WG-LOT1SWR-MW03B	6/4/18	1616	GW	BKP	2	2	1		
04	WG-LOT1SWRMW05	6/5/18	0910	GW	BKP	6	6	3		MS/MSD
05	WG-LOT1SWRMW04	6/5/18	1130	GW	BKP	2	2	1		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
	6-5-18 1458	Benjamin Hogan AAL	6-5-18 1458
Benjamin Hogan	6-5-18 1505		6/6/18 0130

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Custody Form for Custody-Sealed Coolers/Air Crates

For Alpha use only: **L**

Sample coolers/crates were received that contain custody seals which cannot be opened by Alpha Courier staff. Custody seals must remain in place until receipt by laboratory sample management personnel.

To be filled out by the Customer. Please print clearly.

1. Number of coolers/crates: 3
2. Customer / Contact Name: BRIAN PICKERT
3. Project Name (if applicable): Yonkers - Lot 1
4. Customer Business Address where cooler/crate pickup has taken place:
   Cazenovia, NY (GHD)
5. Customer telephone number: 518-248-1970
6. Customer email address: ~~bpi~~ brian.pickert@ghd.com
7. Customer confirms that ice or blue ice is contained within cooler(s) (Not applicable for Air crates.)
   Check one: X YES ____ NO
   If NO, please explain: _____
8. Customer confirms sample containers were intact when sealed in the cooler(s)/crate(s).
   Check one: X YES ____ NO
   If NO, please explain: _____
9. Customer accepts full responsibility for any discrepancies between the Chain of Custody and contents of custody-sealed cooler(s)/crate(s).
   Check one: X AGREE ____ DISAGREE
   Initial here: _____

Signatures

Relinquished By:	Date/Time	Received By:	Date/Time
	6/5/18 1457	AAL	6-5-18 1457
	6-5-18 1505		6/5/18 0130

Attachment C

NYSDEC EQuIS Upload Confirmation

From: dec.sm.NYENVDATA [NYENVDATA@dec.ny.gov]
Sent: Wednesday, August 1, 2018 12:59 PM
To: Dyson Sprouse
Cc: Omorogbe, Amen (DEC)
Subject: RE: EDDs for Austin Avenue Landfill BCP Site (Site #C360066)

Dyson,

EDDs 20180727 1147.C360066.NYSDEC and 20180727 1153.C360066.NYSDEC were successfully uploaded and the data is available for use within the NYSDEC system.

Thank you,
Alison
NYSDEC EIMS Team
[New York State Dept of Environmental Conservation image]

From: Dyson.Sprouse@ghd.com [mailto:Dyson.Sprouse@ghd.com]
Sent: Friday, July 27, 2018 11:57 AM
To: dec.sm.NYENVDATA <NYENVDATA@dec.ny.gov>
Cc: Omorogbe, Amen (DEC) <amen.omorogbe@dec.ny.gov>
Subject: EDDs for Austin Avenue Landfill BCP Site (Site #C360066)

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hello,
Attached are 2 EDDs for the above referenced site, a field measurement EDD and a chemistry results EDD for the recent sampling conducted on-site.

Please let me know if revisions are needed for successful upload.

Thanks,
Dyson Sprouse
Engineer – Environment

GHD
T: 1 315 679 5763 | M: 1 607 423 7156 | V: 865763 | E:
dyson.sprouse@ghd.com<mailto:dyson.sprouse@ghd.com>
One Remington Park Drive Cazenovia New York 13035 USA | www.ghd.com<http://www.ghd.com>
WATER<http://www.ghd.com/sectors/water/> | ENERGY &
RESOURCES<http://www.ghd.com/global/sectors/energy--resources/> |
ENVIRONMENT<http://www.ghd.com/sectors/environment/> | PROPERTY &
BUILDINGS<http://www.ghd.com/global/sectors/property--buildings/> |
TRANSPORTATION<http://www.ghd.com/global/sectors/transportation/>