AMC Engineering PLLC
18-36 42nd Street
Astoria, NY 11105
O: 718.545.0474

May 8, 2025

Ms. Caitlyn Nichols
NYSDEC, Region 2
Division of Water
47-40 21st Street
Long Island City, NY 11101-5407

Ref.: **SPDES PERMIT APPLICATION**
NYCDDC Contract HWHARPER-3
Harper Street Asphalt Plant
131-21 Northern Boulevard
Queens, NY 11368
Block 1791 Lot 52

Dear Ms. Nichols:

The present is prepared to obtain a SPDES Permit from your department, pursuant to the Department's Article 17 (SPDES Permit Program) regulations, to temporarily discharge groundwater into the Flushing Bay Creek (via DOT Outfall: BB-988) in Queens, NY.

Dewatering activities are required for the installation of new sanitary sewers, storm sewers, hydrodynamic separators, and a sanitary holding tank at the Harper Street Asphalt Plant. Discharge will be through a manhole into the 24" NYCDOT storm sewer which discharges into the Flushing Bay Creek. The maximum discharge rate will be 135 GPM (194,400 GPD).

Site Background and Proposed Use

The Site is located at 131-21 Northern Boulevard, Queens, New York, 11368 and is identified on the Borough of Queens Tax Map as Block 1791 Lot 52. The site is approximately 3.49-acres, non-uniformly shaped, and bound by Flushing Creek to the north/east, the Northern Boulevard Access Road to the southwest, and the elevated Van Wyck and Whitestone Expressway to the west. The site is currently operated as the New York City Department of Transportation (NYCDOT) Harper Street Asphalt Plant. The enclosed site plan shows the subject property and its surroundings.

The scope of work consists of the demolition and reconstruction of the DOT Harper Street Asphalt Plant. There are no known environmental restrictions for this site. This site is not enrolled in any State or City cleanup programs. A tidal wetlands permit has been submitted for this Site and is currently under review. The site is currently used as an asphalt plant. No construction has started at the site.

Dewatering activities are necessary for the installation of sanitary sewers, storm sewers, hydrodynamic separators, and a sanitary holding tank. Up to 135 GPM (194,400 GPD) of groundwater withdrawal and discharge is expected. The dewatered effluent will be treated and will be discharged into the 24" NYSDOT storm sewer. This sewer discharges into Flushing Bay Creek via DOT Outfall ID: BB-988.

Groundwater Elevation

Sidewalk/grade elevation at this site varies from El: +7' to +9' (NAVD88). As per "Geotechnical Assessment Report" (by Matrix New World Engineering [dated November 2020]), field observations during the sampling event, and Mean High Water data, groundwater was encountered at approximately El: +3.7'. The bottom of excavation for storm sewers is between El: +2' and -1', for sanitary sewers is between El: +1' and -2', for hydrodynamic separators is to El: -5', and for the sanitary tank is to El: -8'.

Proposed Dewatering Activities and Treatment

Dewatering activities will consist of a combination wellpoint and submersible pump system. A 1.5"-wellpoint system fitted with 51 wellpoints, will be installed 6 feet apart around the perimeter of excavation for the sanitary holding tank and the hydrodynamic separators. Wellpoints will be installed down to El: -11', which is 14.7' below the groundwater table, or to the top of clay (whichever is encountered first). Each wellpoint will consist of 14' riser and 3' screen. Submersible pumps (20 GPM @ 30 ft H_2O, Tsurumi HSD2.4S or equal) will be installed approximately 20 feet apart in the areas of trench excavation for the new sanitary and storm sewers. The trench excavation will be performed in approximately 100 LF segments, therefore approximately 6 sumps will be operating at one given time in the area of excavation. Submersible pumps will be installed to 2 feet below the bottom of excavation (approximately El: +0' to -4').

A maximum of 135 gallons per minute (194,400 gallons per day) of groundwater withdrawal and discharge is expected, which assumes that the dewatering will be performed in 100 LF segments based on the area of work. Wellpoints will be equipped with valves to allow for dewatering of specific segments.

The dewatered groundwater will be treated through an 8,400 gallon settling tank and pumped through a filter unit fitted with 5-micron filter bags (2-bag unit or larger) and two activated carbon vessels (3,000-lb). The effluent will discharge into the manhole which feeds into the 24" NYSDOT storm sewer, which discharges into the Flushing Bay Creek via DOT Outfall ID: BB-988.

A flowmeter and throttling valve will be installed at the discharge-end of the treatment system to cap the discharge flow to 194,400 gallons per day.

Dewatering activities will last for a maximum of 1 year.

Sampling Events and Explanation of Analytical Testing Results

On November 18, 2024, LiRo Engineers, Inc (LiRo) mobilized onsite to obtain three (3) water samples from onsite monitoring wells. The locations of the sampling points (LMW-

01, LMW-02, and LMW-03) are indicated on the attached site plan. Prior to sampling, three (3) well-volumes were purged from each monitoring well. Samples were allowed to settle for 15 minutes, and then transferred into dedicated sample containers.

The samples were immediately labeled and stored in laboratory containers before being taken to York Analytical Laboratories, Inc. (NY ELAP #12058) for analysis. A chain of custody was relinquished from LiRo to the lab personnel.

Results were compared to the NYSDEC's "Technical & Operations Guidance Series (TOGS) section 1.1.1 Class I criteria, which is the surface water criteria for discharge into the Flushing Bay Creek. The following parameters were found in exceedance of the Class I criteria:

- Copper (total metal) in sample LMW-02, found at 0.0422 mg/L (limit is 0.0034 mg/L);
- Lead (total metal) in samples LMW-01, found at 0.0283 mg/L, LMW-02, found at 0.0504 mg/L, and LMW-03, found at 0.0337 mg/L (limit is 0.008 mg/L);
- Mercury (total metal) in samples LMW-02, found at 0.0002 mg/L, and LMW-03, found at 0.0005 mg/L (limit is 0.0000007 mg/L);
- Nickel (total metal) in samples LMW-02, found at 0.0132 mg/L, and LMW-03, found at 0.0633 mg/L (limit is 0.0082 mg/L); and
- Zinc (total metal) in sample LMW-03, found at 0.364 mg/L (limit is 0.066 mg/L)

The reporting limit for the following parameters was found to be in exceedance of the Class I criteria:

- Hexachlorobenzene, RL at 0.0200 ug/L (limit is 0.00003 ug/L);
- Hexachlorobutadiene, RL at 0.500 ug/L(limit is 0.01 ug/L);
- Benzo(a)pyrene, RL at 0.0500 ug/L (limit is 0.0006 ug/L);
- PCBs, RL at 0.050 ug/L (limit is Sum < 0.000001 ug/L);
- 4,4'-DDD, RL at 0.00400 ug/L (limit is 0.000011 ug/L);
- 4,4'-DDE, RL at 0.00400 ug/L (limit is 0.000011 ug/L);
- 4,4'-DDT, RL at 0.00400 ug/L (limit is 0.000011 ug/L);
- a-BHC, RL at 0.00400 ug/L (limit is 0.002 ug/L);
- Aldrin, RL at 0.00400 ug/L (limit is 0.001 ug/L);
- Chlordane, RL at 0.0200 ug/L (limit is 0.00002 ug/L);
- Dieldrin, RL at 0.00200 ug/L (limit is 0.001 ug/L);
- Endrin, RL at 0.00400 ug/L (limit is 0.002 ug/L);
- Heptachlor, RL at 0.00400 ug/L (limit is 0.0002 ug/L);
- Heptachlor epoxide, RL at 0.00400 ug/L (limit is 0.0003 ug/L); and
- Toxaphene, RL at 0.100 ug/L (limit is 0.005 ug/L).

A filter unit fitted with 5-micron filter bags (2-bag unit or larger), and two-3,000lb carbon vessels have been proposed to manage the above-referenced exceedances.

Copies of the laboratory reports can be found in **Appendix 2**. Tabulated analytical results can be found in **Table 1**.

Please, let us know if you require any additional information.

Respectfully,

Ariel Czemerinski, PE
AMC Engineering, PLLC

List of Attachments
Table 1: Tabulated Laboratory Results for LMW-01, LMW-02, LMW-03

Appendices

1. NY-2C and Supplemental Forms
2. Analytical Results of Water to be Discharged
3. Technical Information of Proposed Settling Tank, Pumps, and Treatment
4. Digital Map
5. DEP Sewer Map
6. Construction Drawing Set
7. Geotechnical Report
8. Dewatering Plan

Table 1: Tabulated Analytical Results

York Analytical Laboratories, Inc.									
132-02 89th Avenue									
Richmond Hill, NY 11418	Lab Sample Id		**NYSDEC**	24K1330-01		24K1330-02		24K1330-03	
(201) 325-1371	Collection Date		**TOGS 1.1.1**	11/18/2024		11/18/2024		11/18/2024	
NY ELAP: 12058	Client Id		**Class I**	HAP-LMW-01-GW		HAP-LMW-02-GW		HAP-LMW-03-GW	
	Matrix		**(Saline**	Ground Water		Ground Water		Ground Water	
Project Id : Harper St. Asphalt Plant		Units	**Waters)**						
	CAS		**Limit**	Result	RL	Result	RL	Result	RL
Miscellaneous/Inorganics									
Nitrite-N	14797-65-0	mg/L	N/A	<5.00	5.00	<25	25	<25	25
Nitrate-N	14797-55-8	mg/L	N/A	0.0944	0.0500	<25	25	<25	25
Oil and Grease by EPA 1664A	PHNX - OIL-GREASE	mg/L	N/A	0.784	0.490	0.583	0.483	<0.485	0.485
pH	PHNX - PH	pH Units	6.5<pH<8.5	8.33	1.00	6.86	1.00	7.72	1.00
Temperature; Field Analysis	610-001	deg. F	N/A		0.1		0.1		0.1
Total Suspended Solids	PHNX - TOTSUSPENDSOL	mg/L	N/A	1150	20	1970	25	3190	10
Metals, Total By EPA6020B									
Antimony	7440-36-0	mg/L	N/A	<0.00111	0.00111	<0.0011	0.0011	<0.0011	0.0011
Arsenic	7440-38-2	mg/L	0.036	0.0116	0.0011	0.0153	0.0011	0.00696	0.0011
Beryllium	7440-41-7	mg/L	N/A	<0.0003	0.0003	0.00056	0.00033	0.00065	0.00033
Cadmium	7440-43-9	mg/L	0.0027	<0.0005	0.0005	0.001	0.00056	0.00056	0.00056
Chromium	7440-47-3	mg/L	N/A	0.000009	0.000006	0.003	0.001	0.001	0.001
Copper	7440-50-8	mg/L	0.0034	<0.0222	0.0222	0.0422	0.0222	<0.0222	0.0222
Lead	7439-92-1	mg/L	0.008	0.0283	0.00556	0.0504	0.00556	0.0337	0.00556
Mercury	7439-97-6	mg/L	0.0000007	<0.0002	0.0002	0.0002	0.0002	0.0005	0.0002
Nickel	7440-02-0	mg/L	0.0082	<0.0111	0.0111	0.0132	0.0111	0.0633	0.0111
Selenium	7782-49-2	mg/L	N/A	0.0169	0.001	0.0691	0.001	0.0885	0.001
Silver	7440-22-4	mg/L	N/A	<0.00556	0.00556	<0.00556	0.00556	<0.00556	0.00556
Thallium	7440-28-0	mg/L	N/A	<0.0011	0.0011	<0.0011	0.0011	<0.0011	0.0011
Zinc	7440-66-6	mg/L	0.066	0.0381	0.0278	0.0518	0.0278	0.364	0.0278

Result Detected	
RL Exceeds Limit	
Result Exceeds Criteria	

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	Matrix		**(Saline**	Ground Water		Ground Water		Ground Water	
Project Id : Harper St. Asphalt Plant		Units	**Waters)**						
	CAS		**Limit**	Result	RL	Result	RL	Result	RL
PCBs By EPA 8082A									
PCB-1016	12674-11-2	ug/L	Sum < 0.000001	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
PCB-1221	11104-28-2	ug/L		< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
PCB-1232	11141-16-5	ug/L		< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
PCB-1242	53469-21-9	ug/L		< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
PCB-1248	12672-29-6	ug/L		< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
PCB-1254	11097-69-1	ug/L		< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
PCB-1260	11096-82-5	ug/L		< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
Pesticides By EPA 8081B									
4,4' -DDD	72-54-8	ug/L	0.000011	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
4,4' -DDE	72-55-9	ug/L	0.000011	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
4,4' -DDT	50-29-3	ug/L	0.000011	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
a-BHC	319-84-6	ug/L	0.002	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
a-chlordane	5103-71-9	ug/L	N/A	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Aldrin	309-00-2	ug/L	0.001	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
b-BHC	319-85-7	ug/L	0.007	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Chlordane	57-74-9	ug/L	0.00002	<0.0200	0.0200	<0.0200	0.0200	<0.0200	0.0200
d-BHC	319-86-8	ug/L	0.008	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Dieldrin	60-57-1	ug/L	0.001	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Endosulfan I	959-98-8	ug/L	N/A	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Endosulfan II	33213-65-9	ug/L	N/A	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Endosulfan sulfate	1031-07-8	ug/L	N/A	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Endrin	72-20-8	ug/L	0.002	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Endrin aldehyde	7421-93-4	ug/L	N/A	<0.0100	0.0100	<0.0100	0.0100	<0.0100	0.0100
Endrin ketone	53494-70-5	ug/L	N/A	<0.0100	0.0100	<0.0100	0.0100	<0.0100	0.0100
g-BHC	58-89-9	ug/L	0.008	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
g-chlordane	5103-74-2	ug/L	N/A	<0.0100	0.0100	<0.0100	0.0100	<0.0100	0.0100
Heptachlor	76-44-8	ug/L	0.0002	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Heptachlor epoxide	1024-57-3	ug/L	0.0003	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Methoxychlor	72-43-5	ug/L	0.03	<0.00400	0.00400	<0.00400	0.00400	<0.00400	0.00400
Toxaphene	8001-35-2	ug/L	0.005	<0.100	0.100	<0.100	0.100	<0.100	0.100
Herbicides By EPA 8151A									
2,4,5-T	93-76-5	ug/L	N/A	<5.00	5.00	<5.00	5.00	<5.00	5.00
1,4,5-TP (silvex)	93-72-1	ug/L	N/A	<5.00	5.00	<5.00	5.00	<5.00	5.00
2,4-D	94-75-7	ug/L	N/A	<5.00	5.00	<5.00	5.00	<5.00	5.00

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	Matrix		**(Saline**	Ground Water		Ground Water		Ground Water	
Project Id : Harper St. Asphalt Plant		Units	**Waters)**						
	CAS		**Limit**	Result	RL	Result	RL	Result	RL
Semivolatiles By EPA 8270D									
1,2,4-Trichlorobenzene	120-82-1	ug/L	N/A	<2.47	2.47	<2.47	2.47	<2.47	2.47
1,2-Dichlorobenzene	95-50-1	ug/L	5*	<2.49	2.49	<2.49	2.49	<2.49	2.49
1,3-Dichlorobenzene	541-73-1	ug/L	5*	<2.61	2.61	<2.61	2.61	<2.61	2.61
1,4-Dichlorobenzene	106-46-7	ug/L	5*	<2.21	2.21	<2.21	2.21	<2.21	2.21
2,4-Dimethylphenol	105-67-9	ug/L	1000	-	-	-	-	-	-
2,4-Dinitrophenol	51-28-5	ug/L	400	-	-	-	-	-	-
2,4-Dinitrotoluene	121-14-2	ug/L	N/A	<1.61	1.61	<1.61	1.61	<1.61	1.61
2,6-Dinitrotoluene	606-20-2	ug/L	N/A	<1.61	1.61	<1.61	1.61	<1.61	1.61
2-Chloronaphthalene	91-58-7	ug/L	N/A	<2.20	2.20	<2.20	2.20	<2.20	2.20
2-Methylnaphthalene	91-57-6	ug/L	4.2	<2.76	2.76	<2.76	2.76	<2.76	2.76
2-Nitroaniline	88-74-4	ug/L	N/A	<1.68	1.68	<1.68	1.68	<1.68	1.68
3,3'-Dichlorobenzidine	91-94-1	ug/L	N/A	<1.27	1.27	<1.27	1.27	<1.27	1.27
3-Nitroaniline	99-09-2	ug/L	N/A	<1.68	1.68	<1.68	1.68	<1.68	1.68
4-Bromophenyl phenyl ether	101-55-3	ug/L	N/A	<1.33	1.33	<1.33	1.33	<1.33	1.33
4-Chloroaniline	106-47-8	ug/L	N/A	<2.98	2.98	<2.98	2.98	<2.98	2.98
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	N/A	<2.45	2.45	<2.45	2.45	<2.45	2.45
4-Nitroaniline	100-01-6	ug/L	N/A	<2.68	2.68	<2.68	2.68	<2.68	2.68
Bis(2-chloroethoxy)methane	111-91-1	ug/L	N/A	<1.77	1.77	<1.77	1.77	<1.77	1.77
Bis(2-chloroethyl)ether	111-44-4	ug/L	N/A	<1.50	1.50	<1.50	1.50	<1.50	1.50
Bis(2-ethylhexyl)phthalate	117-81-7	ug/L	N/A	<0.500	0.500	<0.500	0.500	<0.500	0.500
Dibenzofuran	132-64-9	ug/L	N/A	<2.41	2.41	<2.41	2.41	<2.41	2.41
Diethyl phthalate	84-66-2	ug/L	N/A	<2.56	2.56	<2.56	2.56	<2.56	2.56
Dimethylphthalate	131-11-3	ug/L	N/A	<1.91	1.91	<1.91	1.91	<1.91	1.91
Di-n-butylphthalate	84-74-2	ug/L	N/A	<2.05	2.05	<2.05	2.05	<2.05	2.05
Di-n-octylphthalate	117-84-0	ug/L	N/A	1.12	1.12	<1.12	1.12	<1.12	1.12
Fluoranthene	206-44-0	ug/L	N/A	<0.0500	0.0500	0.21	0.0500	<0.0500	0.0500
Fluorene	86-73-7	ug/L	2.5	<0.0500	0.0500	0.36	0.0500	<0.0500	0.0500
Hexachlorobenzene	118-74-1	ug/L	0.00003	<0.0200	0.0200	<0.0200	0.0200	<0.0200	0.0200
Hexachlorobutadiene	87-68-3	ug/L	0.01	<0.500	0.500	<0.500	0.500	<0.500	0.500
Hexachlorocyclopentadiene	77-47-4	ug/L	N/A	<2.53	4.7	<2.53	4.7	<2.53	4.7
Hexachloroethane	67-72-1	ug/L	N/A	2.53	0.94	2.53	0.94	2.53	0.94
Isophorone	78-59-1	ug/L	N/A	<2.68	2.68	<2.68	2.68	<2.68	2.68
Naphthalene	91-20-3	ug/L	16	<0.0500	0.0500	2.76	0.0500	<0.0500	0.0500
N-Nitrosodi-n-propylamine	621-64-7	ug/L	N/A	<2.56	2.56	<2.56	2.56	<2.56	2.56
N-Nitrosodiphenylamine	86-30-6	ug/L	N/A	<5.00	5.00	<5.00	5.00	<5.00	5.00
Pyrene	129-00-0	ug/L	N/A	<0.0500	0.0500	2.5	4.7	<0.0500	0.0500
Pyridine	110-86-1	ug/L	N/A	<3.91	3.91	<3.91	3.91	<3.91	3.91
Semivolatiles By EPA 8270D									
Acenaphthene	83-32-9	ug/L	6.6	0.21	0.0500	0.76	0.0500	<0.0500	0.0500
Acenaphthylene	208-96-8	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Anthracene	120-12-7	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Benzo(a)anthracene	56-55-3	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Benzo(a)pyrene	50-32-8	ug/L	0.0006	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Benzo(b)fluoranthene	205-99-2	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Benzo(g,h,i)perylene	191-24-2	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Benzo(k)fluoranthene	207-08-9	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Chrysene	218-01-9	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Dibenz(a,h)anthracene	53-70-3	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Hexachlorobenzene	118-74-1	ug/L	0.00003	<0.0200	0.0200	<0.0200	0.0200	<0.0200	0.0200
Hexachlorobutadiene	87-68-3	ug/L	0.01	<0.500	0.500	<0.500	0.500	<0.500	0.500
Hexachlorocyclopentadiene	77-47-4	ug/L	N/A	<2.53	2.53	<2.53	2.53	<2.53	2.53
Indeno(1,2,3-c,d)pyrene	193-39-5	ug/L	N/A	<0.0500	0.05	<0.0500	0.05	<0.0500	0.05
Nitrobenzene	98-95-3	ug/L	N/A	<0.250	0.250	<0.250	0.250	<0.250	0.250
N-Nitrosodimethylamine	62-75-9	ug/L	N/A	<0.500	0.500	<0.500	0.500	<0.500	0.500
Phenanthrene	85-01-8	ug/L	1.5	<0.0500	0.05	0.7	0.0500	<0.0500	0.05
Pyridine	110-86-1	ug/L	N/A	<3.91	3.91	<3.91	3.91	<3.91	3.91
Result Detected									
RL Exceeds Limit									
Result Exceeds Criteria									

Notes:

*The sum of 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, and 1,4-Dichlorobenzene is 5 ug/L.

Table 1: Tabulated Analytical Results

York Analytical Laboratories, Inc.										
132-02 89th Avenue										
Richmond Hill, NY 11418	Lab Sample Id		**NYSDEC**	24K1330-01		24K1330-02		24K1330-03	
(201) 325-1371	Collection Date		**TOGS 1.1.1**	11/18/2024		11/18/2024		11/18/2024	
NY ELAP: 12058	Client Id		**Class I**	HAP-LMW-01-GW		HAP-LMW-02-GW		HAP-LMW-03-GW	
	Matrix		**(Saline**	Ground Water		Ground Water		Ground Water	
Project Id : Harper St. Asphalt Plant		Units	**Waters)**						
	CAS		**Limit**	Result	RL	Result	RL	Result	RL
Volatiles By EPA 8260D									
1,1,1-Trichloroethane	71-55-6	ug/L	N/A	0.8	0.2	<0.40	0.40	<0.40	0.40
1,1,2,2-tetrachloroethane	79-34-5	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
1,1,2-Trichloroethane	79-00-5	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
1,1-Dichloroethane	75-34-3	ug/L	N/A	1.5	0.2	0.46	0.40	<0.40	0.40
1,1-Dichloroethylene	75-35-4	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
1,2-Dichlorobenzene	95-50-1	ug/L	5	<0.2	0.2	<0.40	0.40	<0.40	0.40
1,2-Dichloroethane	107-06-2	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
1,2-Dichloropropane	78-87-5	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
1,3-Dichlorobenzene	541-73-1	ug/L	5	<0.2	0.2	<0.40	0.40	<0.40	0.40
1,4-Dichlorobenzene	106-46-7	ug/L	5	<0.2	0.2	<0.40	0.40	<0.40	0.40
Benzene	71-43-2	ug/L	10	<0.2	0.2	<0.40	0.40	<0.40	0.40
Bromodichloromethane	75-27-4	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Bromoform	75-25-2	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Bromomethane	74-83-9	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Carbon tetrachloride	56-23-5	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Chlorobenzene	108-90-7	ug/L	5	<0.2	0.2	<0.40	0.40	<0.40	0.40
Chloroethane	75-00-3	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Chloroform	67-66-3	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Chloromethane	74-87-3	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
cis-1,2-Dichloroethene	156-59-2	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
cis-1,3-Dichloropropene	10061-01-5	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Dibromochloromethane	124-48-1	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Ethylbenzene	100-41-4	ug/L	4.5	0.28	0.2	<0.40	0.40	<0.40	0.40
Isopropylbenzene	98-82-8	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
m&p-Xylenes	179601-23-1	ug/L	19	<0.5	0.5	<0.40	0.40	<0.40	0.40
Methyl t-butyl ether (MTBE)	1634-04-4	ug/L	N/A	0.65	0.2	<0.40	0.40	0.54	0.40
Methylene chloride	75-09-2	ug/L	200	<1.0	1.0	<2.0	2.0	<2.0	2.0
o-Xylene	95-47-6	ug/L	19	<0.2	0.2	<0.40	0.40	<0.40	0.40
Tetrachloroethylene	127-18-4	ug/L	1	<0.2	0.2	<0.40	0.40	<0.40	0.40
Toluene	108-88-3	ug/L	92	<0.2	0.2	<0.40	0.40	<0.40	0.40
Total Xylenes	1330-20-7	ug/L	19	<0.6	0.6	<1.2	1.2	<1.2	1.2
trans-1,2-Dichloroethylene	156-60-5	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
trans-1,3-Dichloropropylene	10061-02-6	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Trichloroethylene	79-01-6	ug/L	40	<0.2	0.2	<0.40	0.40	<0.40	0.40
Trichlorofluoromethane	75-69-4	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40
Vinyl chloride	75-01-4	ug/L	N/A	<0.2	0.2	<0.40	0.40	<0.40	0.40

Result Detected	
RL Exceeds Limit	
Result Exceeds Criteria	

1. NY-2C and Supplemental Forms

DEC Identification Number	SPDES Permit Number	Facility Name	Form Approved: 10/30/2024
		Harper Street Asphalt Plant	

Form NY-2C PART I SPDES

New York State Department of Environmental Conservation
Application for SPDES Permit to Discharge Wastewater
GENERAL INFORMATION

SECTION 1. PERMIT ACTION REQUESTED

Permit Action Requested

1.1 What is the reason for submitting this application?

- ☑ A NEW proposed Discharge
- ☐ A RENEWAL of an existing permit
- ☐ An EXISTING discharge currently without permit
- ☐ An EBPS REQUEST FOR INFORMATION response
- ☐ A MODIFICATION of the existing permit (describe below)

1.2 Increased Discharge Request

Is this application a request for an increase in the quantity of water discharged from your facility to the waters of the State?

- ☐ Yes ➔ Describe the increase:
- ☑ No ➔ Skip to Item 2.1

SECTION 2. PERMITTEE & FACILITY NAME, LEGAL STATUS, MAILING ADDRESS, AND LOCATION (40 CFR 122.21(f)(2))

Permittee & Facility Name, Legal Status, Mailing Address, and Location

2.1 Permittee Name

New York City Department of Transportation

2.2 Permittee Mailing Address

Street or P.O. box
55 Water Street, 4th Floor

City or town	State	ZIP code
New York	NY	10041

2.3 Permitee Legal Status

- ☐ Public—federal
- ☐ Public—state
- ☑ Other public (specify) City
- ☐ Private
- ☐ Other (specify) _____

2.4 Facility Name

Harper Street Asphalt Plant

2.5 NYSDEC Identification Number

2.6 Facility Contact

Name (first and last)	Title	Phone number
Anthony Bordenca	Asphalt Operations Director	(212) 839-2355

Email address
abordenca@dot.nyc.gov

2.7 Facility Location

Street, route number, or other specific identifier
131-21 Northern Boulevard

County name	County code (if known)	
Queens		

City or town	State	ZIP code
Queens	NY	11368

DEC Identification Number	SPDES Permit Number	Facility Name	Form Approved: 10/30/2024
		Harper Street Asphalt Plant	

SECTION 3. SIC AND NAICS CODES (40 CFR 122.21(f)(3))

SIC and NAICS Codes

3.1	**SIC Code(s)**	**Description** (optional)
	2951	Asphalt Paving Mixtures and Blocks

3.2	**NAICS Code(s)**	**Description** (optional)
	324121	Asphalt Paving Mixture and Block Manufacturing

SECTION 4. OPERATOR INFORMATION (40 CFR 122.21(f)(4))

Operator Information

4.1 **Name of Operator**

New York City Department of Design and Construction

4.2 Is the name you listed in Item 4.1 also the owner?

☐ Yes ➔ Skip to Item 5.1 ☑ No

4.3 **Operator Status**

☐ Public—federal ☐ Public—state ☑ Other public (specify) City

☐ Private ☐ Other (specify) _____

4.4 **Phone Number of Operator**

(718) 391-1495

Operator Information Continued

4.5 **Operator Address**

Street or P.O. Box

30-30 Thomson Avenue 5th Floor

City or town	State	ZIP code
New York	NY	11101

Email address of operator

maldonaca2@ddc.nyc.gov

SECTION 5. INDIAN LAND (40 CFR 122.21(f)(5))

Indian Land

5.1 Is the facility located on Indian Land?

☐ Yes ☑ No

SECTION 6. EXISTING ENVIRONMENTAL PERMITS (40 CFR 122.21(f)(6))

Existing Environmental Permits

6.1 **Existing Environmental Permits** (check all that apply and print or type the corresponding permit number for each)

☑ SPDES MSGP NYR00E103	☐ RCRA (hazardous wastes)	☐ UIC (underground injection)
☐ PSD (air emissions)	☐ Nonattainment program (CAA)	☐ NESHAPs (CAA)
☐ Ocean dumping (MPRSA)	☐ Dredge or fill (CWA Section 404)	☑ Other (specify) Tidal Wetlands

SECTION 7. MAP (40 CFR 122.21(f)(7))

Map

7.1 Have you attached a topographic map containing all required information to this application? (See instructions for specific requirements.)

☑ Yes ☐ No

SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(f)(8))

Nature of Business

8.1 Describe the nature of your business.

Redevelopment at the Site consists of the demolition and reconstruction of the NYCDOT Harper Street Asphalt Plant. Dewatering is required for the installation of new storm sewers, sanitary sewers, hydrodynamic separators, and sanitary tank.

SECTION 9. WATER SUPPLY & COOLING WATER INTAKE STRUCTURES (40 CFR 122.21(f)(9))

Water Supply Source(s)

9.1 What water supply source(s) does your facility use? Identify the name or owner of each source. (check all that apply)

☑ Municipal ☐ Private Intake ☐ Private Well ☐ Other (specify)

Owner: NYCDEP

9.2 Provide the amount of water typically consumed from each of these sources.

Municipal	0.01 MGD	Private Well	MGD
Private Intake	MGD	Other	MGD

9.3 Is the facility located within a sole source aquifer as shown on Exhibit 2C-6?

☑ Yes ➔Complete Application Supplement B (see SPDES website) ☐ No

Cooling Water Intake Structures

9.4 Does your facility use any of these water sources for cooling water?

☐ Yes ☑ No ➔SKIP to Item 10.1.

9.5 Identify the sources used for cooling water. (Note that facilities that use a cooling water intake structure as described at 40 CFR 125, Subparts I and J and NYSDEC Commisioner's Policy 52 (CP-52) may have additional application requirements. Consult with NYSDEC to determine if additional information is needed.)

Thermal Discharges

9.6 If your industry group is listed (see instructions), or the temperature of your discharge exceeds the receiving water temperature by greater than 3°F, provide the following data in (°F):

Avg. Temp. Max Temp. Avg. Delta T Max Delta T

SECTION 10. VARIANCE REQUESTS (40 CFR 122.21(f)(10))

Variance Requests

10.1 Do you intend to request or renew one or more variances pursuant to 6 NYCRR 702.17 or authorized at 40 CFR 122.21(m)? (Check all that apply). Consult with NYSDEC to determine what information is needed.

☐ Fundamentally different factors (CWA Section 301(n))

☐ Water quality related effluent limitations (CWA Section 302(b)(2))

☐ Non-conventional pollutants (CWA Section 301(c) and (g))

☐ Thermal discharges (CWA Section 316(a))

☐ NYS WQBEL (6 NYCRR 702.17)

☑ Not applicable

DEC Identification Number	SPDES Permit Number	Facility Name	Form Approved: 10/30/2024
		Harper Street Asphalt Plant	

SECTION 11. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Part I Checklist

11.1 In Column 1 below, mark the sections of Form NY-2C Part I that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert NYSDEC. Note that not all applicants are required to provide attachments.

Column 1	Column 2
☑ Section 1: Permit Action Requested	☐ w/ attachments
☑ Section 2: Name, Mailing Address, and Location	☐ w/ attachments
☑ Section 3: SIC Codes	☐ w/ attachments
☑ Section 4: Operator Information	☐ w/ attachments
☑ Section 5: Indian Land	☐ w/ attachments
☑ Section 6: Existing Environmental Permits	☐ w/ attachments
☑ Section 7: Map	☐ w/ topographic map ☐ w/ additional attachments
☑ Section 8: Nature of Business	☐ w/ attachments
☑ Section 9: Water Supply & CWIS	☐ w/ attachments ☐ w/ Sole Source Aquifer Supplement
☑ Section 10: Variance Requests	☐ w/ attachments
☑ Section 11: Checklist	☐ w/ attachments

PART II of Form NY-2C begins on the next page.

DEC Identification Number	SPDES Permit Number	Facility Name	Form Approved: 10/30/2024
		Harper Street Asphalt Plant	

Form NY-2C PART II SPDES

Department of Environmental Conservation

New York State Department of Environmental Conservation Application for SPDES Permit to Discharge Wastewater

NEW AND EXISTING INDUSTRIAL OPERATIONS DETAILED INFORMATION

SECTION 1. OUTFALL LOCATION (40 CFR 122.21(g)(1)) & RECEIVING WATER DESCRIPTION (6 NYCRR 750-1.7(a))

Outfall Location & Receiving Water Description

1.1 Provide information on each of the facility's outfalls and the receiving waters in the table below.

	Outfall BB-988	Outfall _____	Outfall _____
Latitude	40 ° 45 ′ 47.6″ N	° ′ ″	° ′ ″
Longitude	73 ° 50 ′ 15.6″ W	° ′ ″	° ′ ″
Receiving Water Name	Flushing Bay Creek		
Water Index Number (WIN)	ER-LI-12		
Waterbody Inventory/ Priority Waterbodies List (WI/PWL) Segment			
Water Classification	I		
Groundwater Discharges Only:			
Soil Type	Fill and clay		
Depth to Water Table	4.00 ft	ft	ft

SECTION 2. LINE DRAWING (40 CFR 122.21(g)(2))

Line Drawing

2.1 Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2C–3 at end of instructions for example.)

☑ Yes ☐ No

SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(g)(3))

Average Flows and Treatment

3.1 For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets if necessary.

****Outfall Number**** BB-988

Operations Contributing to Flow

Operation	Average Flow	Maximum Flow
Discharge of groundwater from dewatering activities	0.10 MGD	0.19 MGD
	MGD	MGD
	MGD	MGD
	MGD	MGD

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge
8,400-gal settling tank, 2-bag filter unit, two 3,000-lb carbon	1-U	N/A

Average Flows and Treatment Continued

3.1 cont.

****Outfall Number**** _____

Operations Contributing to Flow

Operation	Average Flow	Maximum Flow
	MGD	MGD
	MGD	MGD
	MGD	MGD
	MGD	MGD

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge

****Outfall Number**** _____

Operations Contributing to Flow

Operation	Average Flow	Maximum Flow
	MGD	MGD
	MGD	MGD
	MGD	MGD
	MGD	MGD

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge

WTCs

3.2 Does the facility utilize or plan to utilize any water treatment chemicals that can potentially be discharged from one or more outfalls?

☐ Yes ➔ Complete Table F ☑ No ➔ SKIP to Item 3.3.

Mixing Zone Form

3.3 Has a Mixing Zone Analysis Form been completed and attached? All applicants must complete at least the Simple Form for each wastewater outfall to surface waters. Indicate which form was completed and is attached to this application.

☑ Yes ➔ Simple Form ☐ Yes ➔ Detailed Form

SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(g)(4))

Intermittent Flows

4.1 Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal?

☐ Yes ☑ No ➔ SKIP to Section 5.

4.2 Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.

Outfall Number	Operation (list)	Frequency		Flow Rate		Duration
		Average Days/Week	Average Months/Year	Long-Term Average	Maximum Daily	
		days/week	months/year	MGD	MGD	days
		days/week	months/year	MGD	MGD	days
		days/week	months/year	MGD	MGD	days
		days/week	months/year	MGD	MGD	days
		days/week	months/year	MGD	MGD	days
		days/week	months/year	MGD	MGD	days
		days/week	months/year	MGD	MGD	days
		days/week	months/year	MGD	MGD	days
		days/week	months/year	MGD	MGD	days

SECTION 5. PRODUCTION (40 CFR 122.21(g)(5))

Applicable ELGs

5.1 Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility?

☐ Yes ☑ No ➔ SKIP to Item 5.5.

5.2 Provide the following information on applicable ELGs.

ELG Category	ELG Subcategory	Regulatory Citation

Production-Based Limitations

5.3 Are any of the applicable ELGs expressed in terms of production (or other measure of operation)?

☐ Yes ☑ No ➔ SKIP to Item 5.5.

5.4 Provide an actual measure of daily production expressed in terms and units of applicable ELGs.

Outfall Number	Operation, Product, or Material	Quantity per Day	Unit of Measure

Specific Industry

5.5 Is your industry type listed as a specific industry requiring submission of a supplemental application form (see instructions)?

☐ Yes, supplemental form attached ☑ No ➔ SKIP to Section 6.

SECTION 6. SCHEDULED IMPROVEMENTS (40 CFR 122.21(g)(6))

Upgrades and Improvements

6.1 Are you presently voluntarily improving or required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application?

☐ Yes ☑ No ➔ SKIP to Item 6.3.

6.2 Briefly identify each applicable project in the table below.

Brief Identification and Description of Project	Affected Outfalls (list outfall number)	Source(s) of Discharge	Final Compliance Dates	
			Required	Projected

6.3 Have you attached sheets describing any additional water pollution control programs (or other environmental projects that may affect your discharges) that you now have underway or planned? *(optional item)*

☐ Yes ☐ No ☑ Not applicable

SECTION 7. EFFLUENT AND INTAKE CHARACTERISTICS (40 CFR 122.21(g)(7))

Effluent and Intake Characteristics

See the instructions to determine the pollutants and parameters you are required to monitor and, in turn, the tables you must complete. Not all applicants need to complete each table.

Table A. Conventional and Non-Conventional Pollutants

7.1 Are you requesting a waiver from NYSDEC for one or more of the Table A pollutants for any of your outfalls?

☐ Yes ☑ No ➔ SKIP to Item 7.3.

7.2 If yes, indicate the applicable outfalls below. Attach waiver request and other required information to the application.

Outfall Number _____ Outfall Number _____ Outfall Number _____

7.3 Have you completed monitoring for all Table A pollutants at each of your outfalls for which a waiver has not been requested and attached the results to this application package?

☑ Yes ☐ No;a waiver request has been attached for all pollutants at all outfalls.

Table B. Toxic Metals, Cyanide, Total Phenols, and Organic Toxic Pollutants

7.4 Do any of the facility's processes that contribute wastewater fall into one or more of the primary industry categories listed in Exhibit 2C-5?

☐ Yes ☑ No ➔SKIP to Item 7.8.

7.5 Have you checked "Testing Required" for all toxic metals, cyanide, and total phenols in Section 1 of Table B?

☐ Yes ☐ No

7.6 List the applicable primary industry categories and check the boxes indicating the required GC/MS fraction(s) identified in Exhibit 2C-5.

Primary Industry Category	Required GC/MS Fraction(s) (Check applicable boxes.)			
	☐ Volatile	☐ Acid	☐ Base/Neutral	☐ Pesticide
	☐ Volatile	☐ Acid	☐ Base/Neutral	☐ Pesticide
	☐ Volatile	☐ Acid	☐ Base/Neutral	☐ Pesticide

Effluent and Intake Characteristics Continued

7.7	Have you checked "Testing Required" for all required pollutants in Sections 2 through 5 of Table B for each of the GC/MS fractions checked in Item 7.6? ☐ Yes ☐ No
7.8	Have you checked "Believed Present" or "Believed Absent" for all pollutants listed in Sections 1 through 5 of Table B where testing is not required? ☑ Yes ☐ No
7.9	Have you provided (1) quantitative data for those Section 1, Table B, pollutants for which you have indicated testing is required or (2) quantitative data or other required information for those Section 1, Table B, pollutants that you have indicated are "Believed Present" in your discharge? ☑ Yes ☐ No
7.10	Have you provided (1) quantitative data for those Sections 2 through 5, Table B, pollutants for which you have determined testing is required or (2) quantitative data or an explanation for those Sections 2 through 5, Table B, pollutants you have indicated are "Believed Present" in your discharge? ☑ Yes ☐ No
Table C. Certain Conventional and Non-Conventional Pollutants	
7.11	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed on Table C for all outfalls? ☑ Yes ☐ No
7.12	Have you completed Table C by providing (1) quantitative data for those pollutants that are limited either directly or indirectly in an ELG and/or (2) quantitative data or an explanation for those pollutants for which you have indicated "Believed Present"? ☑ Yes ☐ No
Table D. Certain Hazardous Substances and Asbestos	
7.13	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? ☑ Yes ☐ No
7.14	Have you completed Table D by (1) describing the reasons the applicable pollutants are expected to be discharged and (2) by providing quantitative data, if available? ☑ Yes ☐ No
Table E. 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (2,3,7,8-TCDD)	
7.15	Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the instructions, or do you know or have reason to believe that TCDD is or may be present in the effluent? ☐ Yes ➔ Complete Table E. ☑ No ➔ SKIP to Section 8.
7.16	Have you completed Table E by reporting *qualitative* data for TCDD? ☐ Yes ☐ No

SECTION 8. USED OR MANUFACTURED TOXICS (40 CFR 122.21(g)(9))

Used or Manufactured Toxics

8.1	Are any other pollutants, substances, or components of substances, not already listed in Tables A-E, used or manufactured at your facility as an intermediate or final product or byproduct? ☐ Yes ☑ No ➔ SKIP to Section 9.		
8.2	List the pollutants below.		
	1.	4.	7.
	2.	5.	8.
	3.	6.	9.

SECTION 9. BIOLOGICAL TOXICITY TESTS (40 CFR 122.21(g)(11))

Biological Toxicity Tests

9.1 Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) on a receiving water in relation to your discharge?

☐ Yes ☑ No ➔ SKIP to Section 10.

9.2 Identify the tests and their purposes below.

Test(s)	Purpose of Test(s)	Submitted to NYSDEC?	Date Submitted
		☐ Yes ☐ No	
		☐ Yes ☐ No	
		☐ Yes ☐ No	

SECTION 10. CONTRACT ANALYSES (40 CFR 122.21(g)(12))

Contract Analyses

10.1 Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm?

☑ Yes ☐ No ➔ SKIP to Section 11.

10.2 Provide information for each contract laboratory or consulting firm below.

	Laboratory Number 1	Laboratory Number 2	Laboratory Number 3
Name of laboratory/firm	York Analytical Laboratories Inc		
ELAP Cert No.	12058		
Laboratory address	132-02 89th Avenue, Richmond Hill, NY 11418		
Phone number	(201) 325-1371		
Pollutant(s) analyzed	See attached		

SECTION 11. ADDITIONAL INFORMATION (40 CFR 122.21(g)(13))

Additional Information

11.1 Does your facility use, produce, store, distribute, or otherwise dispose of any significant quantity of substances listed in Tables B, C, D, E or those substances identified in Item 8.2?

☐ Yes ➔ Complete Table G. ☑ No ➔ SKIP to Item 11.2.

11.2 Does your facility utilize pumping stations to convey wastewaters on the site and/or in wastewater treatment?

☐ Yes ➔ Complete Table H. ☑ No ➔ SKIP to Item 11.3.

11.3 Has NYSDEC requested additional information?

☐ Yes ☑ No ➔ SKIP to Section 12.

11.4 List the information requested and attach it to this application.

1.	3.
2.	4.

DEC Identification Number	SPDES Permit Number	Facility Name	Form Approved: 10/30/2024
		Harper Street Asphalt Plant	

SECTION 12. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement

12.1 In Column 1 below, mark the sections of Form NY-2C that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert NYSDEC. Note that not all applicants are required to complete all sections or provide attachments.

Column 1	Column 2
☑ Section 1: Outfall Location	☐ w/ attachments
☑ Section 2: Line Drawing	☐ w/ line drawing ☐ w/ additional attachments
☑ Section 3: Average Flows and Treatment	☐ w/ attachments ☐ w/ Simple MZ Form ☐ w/ Table F ☐ w/ Detailed MZ Form
☑ Section 4: Intermittent Flows	☐ w/ attachments
☑ Section 5: Production	☐ w/ attachments
☑ Section 6: Improvements	☐ w/ attachments ☐ w/ optional additional sheets describing any additional pollution control plans
☑ Section 7: Effluent and Intake Characteristics	☐ w/ request for a waiver and supporting information ☐ w/ explanation for identical outfalls ☐ w/ primary industry supplemental form ☐ w/ additional attachments ☐ w/ Table A ☐ w/ Table B ☐ w/ Table C ☐ w/ Table D ☐ w/ Table E ☐ w/ analytical results as an attachment
☑ Section 8: Used or Manufactured Toxics	☐ w/ attachments
☑ Section 9: Biological Toxicity Tests	☐ w/ attachments
☑ Section 10: Contract Analyses	☐ w/ attachments
☑ Section 11: Additional Information	☐ w/ attachments ☐ w/ Table G ☐ w/ Table H
☑ Section 12: Checklist and Certification Statement	☐ w/ attachments

12.2 **Certification Statement**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name (print or type first and last name)	Official title
Irena Nedeljkovic	Deputy Commissioner RRM
Signature	**Date signed**
Irena V. Nedeljkovic	5/5/2025

Tables A - E are available in Part III of the application.

TABLE F. WATER TREATMENT CHEMICAL LISTING

WTC Trade Name	Manufacturer	WTC Function	Authorized Dosage (lbs/d)		Discharge Outfall	Authorized Date	New or Increase Request (optional)
			Average	Maximum			
For all New or Increased WTCs, you must attach a completed WTC Request Form			☐ No new or increased WTC requests included as part of this application.				
e.g. Sodium Bisulfite	Slack	Dechlor	10.00	20.00	001	11/01/2019	☐New ☐Increase
							☐New ☐Increase
							☐New ☐Increase
							☐New ☐Increase
							☐New ☐Increase
							☐New ☐Increase
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							☐New ☐Increase
							☐New ☐Increase
							☐New ☐Increase
							☐New ☐Increase

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TABLE G. INDUSTRIAL CHEMICAL SURVEY

Complete this table for all substances that have been used, produced, stored, distributed or otherwise disposed of in significant quantity AND for any quantity of BCCs, chemicals for which FDA fish flesh limits exist, or restricted pesticide products listed in Part 326, Section 2 of the ECL. Restricted pesticides also include those products whose labeling bears the statement "Restricted Use Pesticide." Do not include chemicals that are present as *de minimus* concentrations as listed in the SDS for that substance.

For any substance listed that is used in a manner which could cause them to come into contact with a wastewater that is ultimately discharged to the waters of the State through an outfall controlled by this permit application, identify it as "Present" and the Outfall(s) by which it may be discharged. Sampling results for these pollutants should also be included with Tables B-E.

☐ A separate, but equivalent table has been attached as part of this application.

Substance Name	CAS Number	Purpose of Use Code	Average Annual Usage	Amount On Hand	Presence in Discharge	Discharge Outfall
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	
		PRO - Produced	Gal	Gal	☐Present ☐Not Present	

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TABLE H. FACILITY & COLLECTION SYSTEM RESILIENCY

Pump Station Name	PS Owner	General Location	Latitude (DMS)	Longitude (DMS)	Floor Elevation (ft, NAVD88)
Complete this table for all pump stations that exist at the wastewater treatment facility and within the collection system. Identify the name of the pump station, the owner of the pump station (if different than the SPDES permittee), the general location of the pump station (e.g. intersection of Green St. & Water St.), the latitude and longitude of the pump station in degrees-minutes-seconds (DMS) format, and the elevation in feet of the pump station floor (per the NAVD88 datum).					
☑ The wastewater treatment facility and collection system do not contain any pump stations.					
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	
			° ' "	° ' "	

Table	Pollutant	CAS No.	Believed Present or Believed Absent	Effluent Maximum Daily Discharge symbol (<, >, ND, =) (required)	Effluent Maximum Daily Discharge value (required)	Effluent Maximum Daily Discharge units (required)
A	Biochemical Oxygen Demand (BOD5)		Not Applicable	ND		mg/L
A	Chemical Oxygen Demand (COD)		Not Applicable	ND		mg/L
A	Total Organic Carbon (TOC)		Not Applicable	ND		mg/L
A	Total Suspended Solids (TSS)		Not Applicable	=	3190	mg/L
A	Ammonia (as N)		Not Applicable	=	0.0944	mg/L
A	Flow		Not Applicable			
A	Winter Temperature		Not Applicable			°C
A	Summer Temperature		Not Applicable			°C
A	Minimum pH		Not Applicable			SU
A	Maximum pH		Not Applicable			SU
A	Mercury	7439-97-6	Not Applicable	=	0.0005	ng/L
A	Perfluorobutanoic acid (PFBA)	375-22-4	Not Applicable			µg/l
A	Perfluoropentanoic acid (PFPeA)	2706-90-3	Not Applicable			µg/l
A	Perfluorohexanoic acid (PFHxA)	307-24-4	Not Applicable			µg/l
A	Perfluoroheptanoic acid (PFHpA)	375-85-9	Not Applicable			µg/l
A	Perfluorooctanoic acid (PFOA)	335-67-1	Not Applicable			µg/l
A	Perfluorononanoic acid (PFNA)	375-95-1	Not Applicable			µg/l
A	Perfluorodecanoic acid (PFDA)	335-76-2	Not Applicable			µg/l
A	Perfluoroundecanoic acid (PFUnA)	2058-94-8	Not Applicable			µg/l
A	Perfluorododecanoic acid (PFDoA)	307-55-1	Not Applicable			µg/l
A	Perfluorotridecanoic acid (PFTriA)	72629-94-8	Not Applicable			µg/l
A	Perfluorotetradecanoic acid (PFTeA)	376-06-7	Not Applicable			µg/l
A	Perfluorobutanesulfonic acid (PFBS)	375-73-5	Not Applicable			µg/l
A	Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	Not Applicable			µg/l
A	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	Not Applicable			µg/l
A	Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	Not Applicable			µg/l
A	Perfluorooctanesulfonic acid (PFOS)	1763-23-1	Not Applicable			µg/l
A	Perfluorononanesulfonic acid (PFNS)	68259-12-1	Not Applicable			µg/l
A	Perfluorodecanesulfonic acid (PFDS)	335-77-3	Not Applicable			µg/l
A	Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	Not Applicable			µg/l
A	Perfluorooctanesulfonamide (FOSA)	754-91-6	Not Applicable			µg/l
A	NMeFOSAA	2355-31-9	Not Applicable			µg/l
A	NEtFOSAA	2991-50-6	Not Applicable			µg/l
A	4:2 FTS	757124-72-4	Not Applicable			µg/l
A	6:2 FTS	27619-97-2	Not Applicable			µg/l
A	8:2 FTS	39108-34-4	Not Applicable			µg/l
A	NEtFOSA	4151-50-2	Not Applicable			µg/l
A	NMeFOSA	31506-32-8	Not Applicable			µg/l
A	NMeFOSE	24448-09-7	Not Applicable			µg/l
A	NEtFOSE	1691-99-2	Not Applicable			µg/l
A	9Cl-PF3ONS	756426-58-1	Not Applicable			µg/l
A	HFPO-DA GenX	13252-13-6	Not Applicable			µg/l
A	11Cl-PF3OUdS	763051-92-9	Not Applicable			µg/l
A	ADONA	919005-14-4	Not Applicable			µg/l
A	3:3 FTCA	356-02-5	Not Applicable			µg/l
A	5:3 FTCA	914637-49-3	Not Applicable			µg/l
A	7:3 FTCA	812-70-4	Not Applicable			µg/l
A	NFDHA	151772-58-6	Not Applicable			µg/l
A	PFMBA	863090-89-5	Not Applicable			µg/l
A	PFMPA	377-73-1	Not Applicable			µg/l
A	PFEESA	113507-82-7	Not Applicable			µg/l
A	1,4-Dioxane	123-91-1	Not Applicable			µg/l
B	Antimony, total	7440-36-0	Absent	ND		mg/L
B	Arsenic, total	7440-38-2	Present	=	0.01	mg/L
B	Beryllium, total	7440-41-7	Present	=	0.007	mg/L
B	Cadmium, total	7440-43-9	Present	=	0.0007	mg/L
B	Chromium, total	7440-47-3	Present	=	0.003	mg/L
B	Copper, total	7440-50-8	Present	=	0.0422	mg/L
B	Lead, total	7439-92-1	Present	=	0.05	mg/L
B	Nickel, total	7440-02-0	Present	=	0.0633	mg/L
B	Selenium, total	7782-49-2	Present	=	0.0885	mg/L
B	Silver, total	7440-22-4	Absent	ND		mg/L
B	Thallium, total	7440-28-0	Absent	ND		mg/L
B	Zinc, total	7440-66-6	Present	=	0.364	mg/L
B	Cyanide, total	57-12-5	Absent	ND		mg/L
B	Cyanide, free	57-12-5	Absent	ND		mg/L
B	Phenols, total		Absent	ND		mg/L
B	Acrolein	107-02-8	Absent	ND		µg/l
B	Acrylonitrile	107-13-1	Absent	ND		µg/l
B	Benzene	71-43-2	Absent	ND		µg/l
B	Bromoform	75-25-2	Absent	ND		µg/l
B	Carbon tetrachloride	56-23-5	Absent	ND		µg/l
B	Chlorobenzene	108-90-7	Absent	ND		µg/l
B	Chlorodibromomethane	124-48-1	Absent	ND		µg/l

Table	Pollutant	CAS No.	Believed Present or Believed Absent	Effluent Maximum Daily Discharge symbol (<, >, ND, =) (required)	Effluent Maximum Daily Discharge value (required)	Effluent Maximum Daily Discharge units (required)
B	Chloroethane	75-00-3	Absent	ND		µg/l
B	2-chloroethylvinyl ether	110-75-8	Absent	ND		µg/l
B	Chloroform	67-66-3	Absent	ND		µg/l
B	Dichlorobromomethane	75-27-4	Absent	ND		µg/l
B	1,1-dichloroethane	75-34-3	Present	=	1.5	µg/l
B	1,2-dichloroethane	107-06-2	Absent	ND		µg/l
B	1,1-dichloroethylene	75-35-4	Absent	ND		µg/l
B	1,2-dichloropropane	78-87-5	Absent	ND		µg/l
B	1,3-dichloropropylene	542-75-6	Absent	ND		µg/l
B	Ethylbenzene	100-41-4	Present	=	0.28	µg/l
B	Methyl bromide	74-83-9	Absent	ND		µg/l
B	Methyl chloride	74-87-3	Absent	ND		µg/l
B	Methylene chloride	75-09-2	Absent	ND		µg/l
B	1,1,2,2-tetrachloroethane	79-34-5	Absent	ND		µg/l
B	Tetrachloroethylene	127-18-4	Absent	ND		µg/l
B	Toluene	108-88-3	Absent	ND		µg/l
B	1,2-trans-dichloroethylene	156-60-5	Absent	ND		µg/l
B	1,1,1-trichloroethane	71-55-6	Present	=	0.8	µg/l
B	1,1,2-trichloroethane	79-00-5	Absent	ND		µg/l
B	Trichloroethylene	79-01-6	Absent	ND		µg/l
B	Vinyl chloride	75-01-4	Absent	ND		µg/l
B	2-chlorophenol	95-57-8	Absent	ND		µg/l
B	2,4-dichlorophenol	120-83-2	Absent	ND		µg/l
B	2,4-dimethylphenol	105-67-9	Absent	ND		µg/l
B	4,6-dinitro-o-cresol	534-52-1	Absent	ND		µg/l
B	2,4-dinitrophenol	51-28-5	Absent	ND		µg/l
B	2-nitrophenol	88-75-5	Absent	ND		µg/l
B	4-nitrophenol	100-02-7	Absent	ND		µg/l
B	p-chloro-m-cresol	59-50-7	Absent	ND		µg/l
B	Pentachlorophenol	87-86-5	Absent	ND		µg/l
B	Phenol	108-95-2	Absent	ND		µg/l
B	2,4,6-trichlorophenol	88-05-2	Absent	ND		µg/l
B	Acenaphthene	83-32-9	Present	=	0.76	µg/l
B	Acenaphthylene	208-96-8	Absent	ND		µg/l
B	Anthracene	120-12-7	Absent	ND		µg/l
B	Benzidine	92-87-5	Absent	ND		µg/l
B	Benzo (a) anthracene	56-55-3	Absent	ND		µg/l
B	Benzo (a) pyrene	50-32-8	Absent	<	0.05	µg/l
B	3,4-benzofluoranthene	205-99-2	Absent	ND		µg/l
B	Benzo (ghi) perylene	191-24-2	Absent	ND		µg/l
B	Benzo (k) fluoranthene	207-08-9	Absent	ND		µg/l
B	Bis (2-chloroethoxy) methane	111-91-1	Absent	ND		µg/l
B	Bis (2-chloroethyl) ether	111-44-4	Absent	ND		µg/l
B	Bis (2-chloroisopropyl) ether	102-80-1	Absent	ND		µg/l
B	Bis (2-ethylhexyl) phthalate	117-81-7	Absent	ND		µg/l
B	4-bromophenyl phenyl ether	101-55-3	Absent	ND		µg/l
B	Butyl benzyl phthalate	85-68-7	Absent	ND		µg/l
B	2-chloronaphthalene	91-58-7	Absent	ND		µg/l
B	4-chlorophenyl phenyl ether	7005-72-3	Absent	ND		µg/l
B	Chyrsene	218-01-9	Absent	ND		µg/l
B	Dibenzo (a,h) anthracene	53-70-3	Absent	ND		µg/l
B	1,2-dichlorobenzene	95-50-1	Absent	ND		µg/l
B	1,3-dichlorobenzene	541-73-1	Absent	ND		µg/l
B	1,4-dichlorobenzene	106-46-7	Absent	ND		µg/l
B	3,3-dichlorobenzidine	91-94-1	Absent	ND		µg/l
B	Diethyl phthalate	84-66-2	Absent	ND		µg/l
B	Dimethyl phthalate	131-11-3	Absent	ND		µg/l
B	Di-n-butyl phthalate	84-74-2	Absent	ND		µg/l
B	2,4-dinitrotoluene	121-14-2	Absent	ND		µg/l
B	2,6-dinitrotoluene	606-20-2	Absent	ND		µg/l
B	Di-n-octyl phthalate	117-84-0	Absent	ND		µg/l
B	1,2-diphenylhydrazine (as azobenzene)	122-66-7	Absent	ND		µg/l
B	Fluoranthene	206-44-0	Present	=	0.21	µg/l
B	Fluorene	86-73-7	Present	=	0.36	µg/l
B	Hexachlorobenzene	118-74-1	Absent	<	0.02	µg/l
B	Hexachlorobutadiene	87-68-3	Absent	<	0.5	µg/l
B	Hexachlorocyclopentadiene	77-47-4	Absent	ND		µg/l
B	Hexachloroethane	67-72-1	Absent	ND		µg/l
B	Indeno (1,2,3-cd) pyrene	193-39-5	Absent	ND		µg/l
B	Isophorone	78-59-1	Absent	ND		µg/l
B	Naphthalene	91-20-3	Present	=	2.76	µg/l
B	Nitrobenzene	98-95-3	Absent	ND		µg/l
B	N-nitrosodimethylamine	62-75-9	Absent	ND		µg/l
B	N-nitrosodi-n-propylamine	621-64-7	Absent	ND		µg/l

Table	Pollutant	CAS No.	Believed Present or Believed Absent	Effluent Maximum Daily Discharge symbol (<, >, ND, =) (required)	Effluent Maximum Daily Discharge value (required)	Effluent Maximum Daily Discharge units (required)
B	N-nitrosodiphenylamine	86-30-6	Absent	ND		µg/l
B	Phenanthrene	85-01-8	Present	=	0.7	µg/l
B	Pyrene	129-00-0	Present	=	2.5	µg/l
B	1,2,4-trichlorobenzene	120-82-1	Absent	ND		µg/l
B	Aldrin	309-00-2	Absent	<	0.004	µg/l
B	α-BHC	319-84-6	Absent	<	0.004	µg/l
B	β-BHC	319-85-7	Absent	<	0.004	µg/l
B	γ-BHC	58-89-9	Absent	<	0.004	µg/l
B	δ-BHC	319-86-8	Absent	<	0.004	µg/l
B	Chlordane	57-74-9	Absent	<	0.02	µg/l
B	4,4'-DDT	50-29-3	Absent	<	0.004	µg/l
B	4,4'-DDE	72-55-9	Absent	<	0.004	µg/l
B	4,4'-DDD	72-54-8	Absent	<	0.004	µg/l
B	Dieldrin	60-57-1	Absent	<	0.002	µg/l
B	α-endosulfan	115-29-7	Absent	ND		µg/l
B	β-endosulfan	115-29-7	Absent	ND		µg/l
B	Endosulfan sulfate	1031-07-8	Absent	<	0.004	µg/l
B	Endrin	72-20-8	Absent	<	0.004	µg/l
B	Endrin aldehyde	7421-93-4	Absent	<	0.01	µg/l
B	Heptachlor	76-44-8	Absent	<	0.004	µg/l
B	Heptachlor epoxide	1024-57-3	Absent	<	0.004	µg/l
B	PCB-1242	53469-21-9	Absent	<	0.05	µg/l
B	PCB-1254	11097-69-1	Absent	<	0.05	µg/l
B	PCB-1221	11104-28-2	Absent	<	0.05	µg/l
B	PCB-1232	11141-16-5	Absent	<	0.05	µg/l
B	PCB-1248	12672-29-6	Absent	<	0.05	µg/l
B	PCB-1260	11096-82-5	Absent	<	0.05	µg/l
B	PCB-1016	12674-11-2	Absent	<	0.05	µg/l
B	Toxaphene	8001-35-2	Absent	<	0.1	µg/l
C	Bromide	24959-67-9	Absent	ND		µg/l
C	Chlorine, total residual		Absent	ND		mg/L
C	Color					CU
C	Fecal coliform		Absent			cfu/100ml
C	Fluoride	16984-48-8	Absent			mg/L
C	Nitrate-nitrite		Present	=	0.0944	mg/L
C	Nitrogen, total organic (as N)		Absent			mg/L
C	Oil and grease		Present	=	0.784	mg/L
C	Phosphorus (as P), total	7723-14-0	Absent			mg/L
C	Sulfate (as SO4)	14808-79-8	Absent			mg/L
C	Sulfide (as S)		Absent			mg/L
C	Sulfite (as SO3)	14265-45-3	Absent			mg/L
C	Surfactants		Absent			mg/L
C	Aluminum, total	7429-90-5	Present	=	10.3	mg/L
C	Barium, total	7440-39-3	Present	=	0.297	mg/L
C	Boron, total	7440-42-8	Absent			mg/L
C	Cobalt, total	7440-48-4	Present	=	0.00744	mg/L
C	Iron, total	7439-89-6	Present	=	17.7	mg/L
C	Magnesium, total	7439-95-4	Present	=	599	mg/L
C	Molybdenum, total	7439-98-7	Absent			mg/L
C	Manganese, total	7439-96-5	Present	=	0.829	mg/L
C	Tin, total	7440-31-5	Absent			mg/L
C	Titanium, total	7440-32-6	Absent			mg/L
C	Alpha, total		Absent			pCi/L
C	Beta, total		Absent			pCi/L
C	Radium, total		Absent			pCi/L
C	Radium 226, total		Absent			pCi/L
D	Asbestos		Absent			M.L.
D	Acetaldehyde		Absent			µg/l
D	Allyl alcohol		Absent			µg/l
D	Allyl chloride		Absent			µg/l
D	Amyl acetate		Absent			µg/l
D	Aniline		Absent			µg/l
D	Benzonitrile		Absent			µg/l
D	Benzyl chloride		Absent			µg/l
D	Butyl acetate		Absent			µg/l
D	Butylamine		Absent			µg/l
D	Captan		Absent			µg/l
D	Carbaryl		Absent			µg/l
D	Carbofuran		Absent			µg/l
D	Carbon disulfide		Absent			µg/l
D	Chlorpyrifos		Absent			µg/l
D	Coumaphos		Absent			µg/l
D	Cresol		Absent			µg/l
D	Crotonaldehyde		Absent			µg/l

Table	Pollutant	CAS No.	Believed Present or Believed Absent	Effluent Maximum Daily Discharge symbol (<, >, ND, =) (required)	Effluent Maximum Daily Discharge value (required)	Effluent Maximum Daily Discharge units (required)
D	Cyclohexane		Absent			µg/l
D	2,4-D (2,4-dichlorophenoxyacetic acid)		Absent			µg/l
D	Diazinon		Absent			µg/l
D	Dicamba		Absent			µg/l
D	Dichlobenil		Absent			µg/l
D	Dichlone		Absent			µg/l
D	2,2-dichloropropionic acid		Absent			µg/l
D	Dichlorvos		Absent			µg/l
D	Diethyl amine		Absent			µg/l
D	Dimethyl amine		Absent			µg/l
D	Dintrobenzene		Absent			µg/l
D	Diquat		Absent			µg/l
D	Disulfoton		Absent			µg/l
D	Diuron		Absent			µg/l
D	Epichlorohydrin		Absent			µg/l
D	Ethion		Absent			µg/l
D	Ethylene diamine		Absent			µg/l
D	Ethylene dibromide		Absent			µg/l
D	Formaldehyde		Absent			µg/l
D	Furfural		Absent			µg/l
D	Guthion		Absent			µg/l
D	Isoprene		Absent			µg/l
D	Isopropanolamine		Absent			µg/l
D	Kelthane		Absent			µg/l
D	Kepone		Absent			µg/l
D	Malathion		Absent			µg/l
D	Mercaptodimethur		Absent			µg/l
D	Methoxychlor		Absent			µg/l
D	Methyl mercaptan		Absent			µg/l
D	Methyl methacrylate		Absent			µg/l
D	Methyl parathion		Absent			µg/l
D	Mevinphos		Absent			µg/l
D	Mexacarbate		Absent			µg/l
D	Monoethyl amine		Absent			µg/l
D	Monomethyl amine		Absent			µg/l
D	Naled		Absent			µg/l
D	Naphthenic acid		Absent			µg/l
D	Nitrotoluene		Absent			µg/l
D	Parathion		Absent			µg/l
D	Phenolsulfonate		Absent			µg/l
D	Phosgene		Absent			µg/l
D	Propargite		Absent			µg/l
D	Propylene oxide		Absent			µg/l
D	Pyrethrins		Absent			µg/l
D	Quinoline		Absent			µg/l
D	Resorcinol		Absent			µg/l
D	Strontium		Absent			µg/l
D	Strychnine		Absent			µg/l
D	Styrene		Absent			µg/l
D	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)		Absent			µg/l
D	TDE (tetrachlorodiphenyl ethane)		Absent			µg/l
D	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]		Absent			µg/l
D	Trichlorofon		Absent			µg/l
D	Triethanolamine		Absent			µg/l
D	Triethylamine		Absent			µg/l
D	Trimethylamine		Absent			µg/l
D	Uranium		Absent			µg/l
D	Vanadium		Absent			µg/l
D	Vinyl acetate		Absent			µg/l
D	Xylene		Absent			µg/l
D	Xylenol		Absent			µg/l
D	Zirconium		Absent			µg/l
E	2,3,7,8-TCDD		Absent			µg/l

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

SPDES DISCHARGE PERMIT
Simple Mixing Zone Form

Purpose & Instructions

The following information will inform the Department's review of your SPDES permit and the resulting effect on the receiving waterbody. Complete the information (one form for each outfall) based on either field observations or schematics/design drawings to the best of your ability. Please see the Mixing Zone Guidance for additional instructions. If an item is unavailable or non-applicable, please describe. Submit with the NY-2A or NY-2C Application Form to SPDESapp@dec.ny.gov.

Facility Name: Harper Street Asphalt Plant SPDES No.: _____ Outfall #: BB-988

NYSDEC Permit Writer: Ariel Czemerinski Receiving Waterbody Class: I

Email: ariel@amc-engineering.com Phone No.: 718-545-0474

Observation Information

Name & Title of Observer: NYCDEC Date of Observation: _____

Phone Number: _____ Email: _____

Name of Receiving Waterbody: Flushing Bay Creek

Weather conditions at time of observation (describe any recent rain/melt events):

Avg. Width (ft): _____ Avg. Depth (ft): _____ Local Depth at Outfall (ft): _____

Has the receiving waterbody run dry in the last 5 years? ☐ Yes ☒ No

Are tidal conditions present? ☒ Yes ☐ No

Outfall Location & Configuration

Outfall #: 001 (BB-988) Location at end of pipe: Latitude: 40.7630593 Longitude: -73.83752565

Describe outfall (location, size, configuration, condition of the structure):

24" DIA, discharges to Flushing Creek

☐ **Option #1**: Bank Discharge (outfall pipe/channel does not extend very far into waterbody)

- ☐ Outfall pipe (____in diameter) discharges to waterbody at _____ feet from bank
  OR
- ☐ Channel/Ditch (____ft wide x ____ft deep x ____ft long) discharges to waterbody at bank

☒ **Option #2**: Extended Pipe Discharge (outfall pipe extends into waterbody)

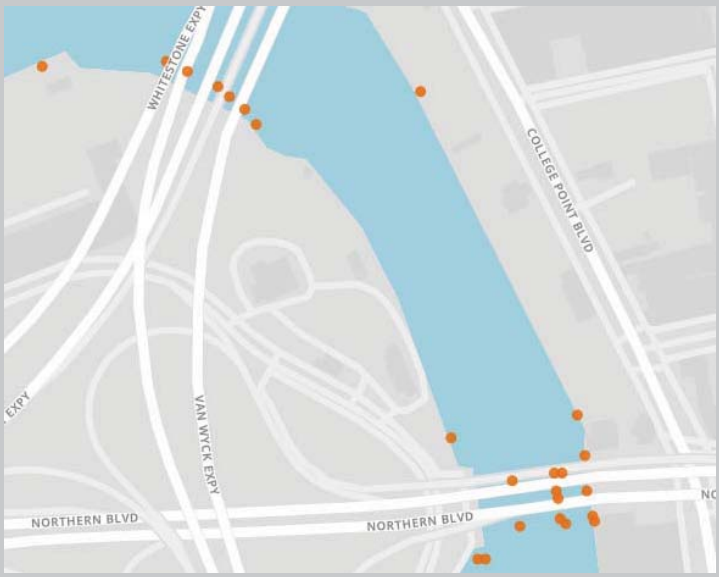
- ☒ Outfall pipe (24"in diameter) is a single pipe with an open end or no diffuser
  OR
- ☐ Outfall pipe (____in diameter) has a diffuser with _____ port(s)

Outfall Photos & Schematics

Upload or attach photos/schematics that depict the location of the outfall (i.e. photo of outfall pipe/channel, satellite image with location of outfall, hand sketch, design schematic, view upstream, view downstream).
You will be prompted twice to select your photo/schematic.

Description:

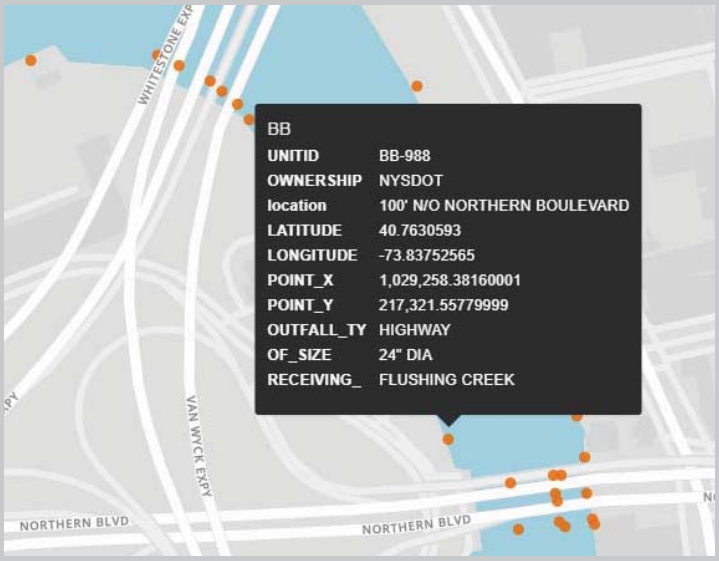
Outfall Location (BB-988)



Click to Upload Photo

Description:

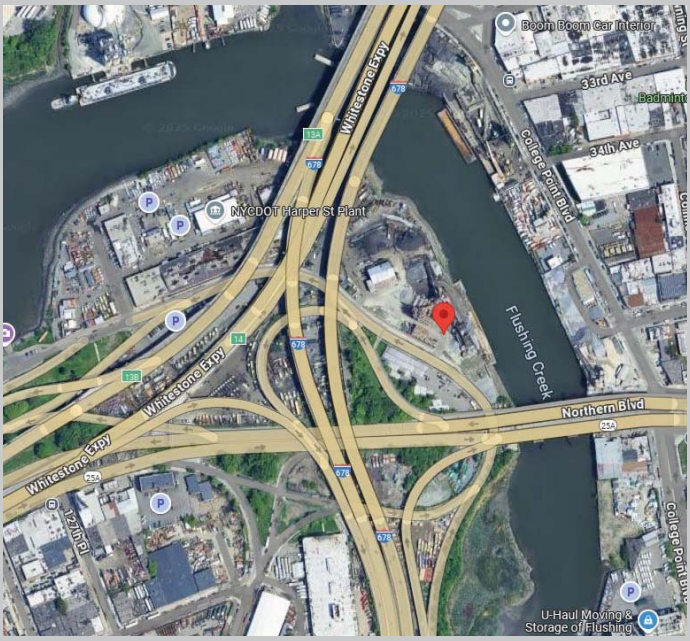
Outfall Location (BB-988)



Click to Upload Photo

Description:

Aerial View (Site to Outfall)



Click to Upload Photo

Description:

Site Boundary

Click to Upload Photo

State Pollutant Discharge Elimination System (SPDES)

Application Supplement B
DISCHARGES WITHIN SOLE SOURCE AQUIFERS

Facility Name: Harper Street Asphalt Plant	SPDES Number: NY

Your facility may be located in a sole source aquifer area, which is an area designated by Federal or State statutes. Maps showing the designated sole source areas can be found on the internet at: https://www.epa.gov/dwssa/map-sole-source-aquifer-locations

Chapter 663 of the Laws of 1983 added Section 17-0828 to the Environmental Conservation Law which requires that any person seeking a SPDES permit or a renewal hereunder, within an area designated pursuant to any federal or state statute as a sole source aquifer, shall include as a part of the required information, the name and address of all public water purveyors with a service area or portion thereof located within a three mile radius of the applicant's facility.

For purposes of this section "public water purveyor" shall mean any person, partnership, public or private corporation, municipality, or public authority which sells water derived from a sole source aquifer to at least five service connections or at least twenty-five individuals.

---

1. Water Purveyors within a three mile radius of your facility:

Please complete the following information to the best of your knowledge and attach it to your application. Attach additional copies of this sheet as necessary.

	Name	Address
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		

2. Analytical Results of Water to be Discharged

Technical Report

prepared for:

LiRo Engineers (DDC)
690 Delaware Ave.
Buffalo NY, 14209-2202
Attention: Steve Frank

Report Date: 11/26/2024
Client Project ID: Harper St. Asphalt Plant
York Project (SDG) No.: 24K1330

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

120 RESEARCH DRIVE | STRATFORD, CT 06615 | 132-02 89th AVENUE | RICHMOND HILL, NY 11418
www.YORKLAB.com | (203) 325-1371 | FAX (203) 357-0166 | ClientServices@yorklab.com

Report Date: 11/26/2024
Client Project ID: Harper St. Asphalt Plant
York Project (SDG) No.: 24K1330

LiRo Engineers (DDC)
690 Delaware Ave.
Buffalo NY, 14209-2202
Attention: Steve Frank

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 18, 2024 and listed below. The project was identified as your project: **Harper St. Asphalt Plant**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24K1330-01	HAP-LMW-01-GW	Ground Water	11/18/2024	11/18/2024
24K1330-02	HAP-LMW-02-GW	Ground Water	11/18/2024	11/18/2024
24K1330-03	HAP-LMW-03-GW	Ground Water	11/18/2024	11/18/2024

General Notes for York Project (SDG) No.: 24K1330

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 11/26/2024

Sample Information

Client Sample ID:	HAP-LMW-01-GW	York Sample ID:	24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	**1,1,1-Trichloroethane**	**0.80**		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	**1,1-Dichloroethane**	**1.5**		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
78-93-3	**2-Butanone**	**0.20**	J	ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-64-1	**Acetone**	**1.9**	J	ug/L	1.0	2.0	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	**Carbon disulfide**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND	CCVE	ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
100-41-4	**Ethyl Benzene**	**0.28**	J	ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 04:44	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-20-9	**Methyl acetate**	**0.66**		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.65**		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260D	11/21/2024 15:35	11/22/2024 04:44	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*91.8 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.5 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*			*79-122*						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.47	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.49	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS NELAC-NY10854,PADEP-68-04440
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.61	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS NELAC-NY10854,PADEP-68-04440
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.21	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS NELAC-NY10854,PADEP-68-04440
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-58-7	2-Chloronaphthalene	ND		ug/L	2.20	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-74-4	2-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.27	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
99-09-2	3-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.33	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
106-47-8	4-Chloroaniline	ND		ug/L	2.98	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.45	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
100-01-6	4-Nitroaniline	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
83-32-9	**Acenaphthene**	**0.210**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
62-53-3	Aniline	ND		ug/L	1.50	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02	11/22/2024 15:05	SS NELAC-NY10854,NJDEP-CT005,PADEP-68-04440

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.852	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.77	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.50	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.99	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-74-8	Carbazole	ND		ug/L	1.31	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
132-64-9	Dibenzofuran	ND		ug/L	2.41	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
131-11-3	Dimethyl phthalate	ND		ug/L	1.91	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.05	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
117-84-0	**Di-n-octyl phthalate**	**1.12**	J	ug/L	1.12	5.00	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D	11/22/2024 08:02	11/22/2024 15:05	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.53	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
78-59-1	Isophorone	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS
110-86-1	Pyridine	ND		ug/L	3.91	5.00	1	EPA 8270D Certifications:	11/22/2024 08:02 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 15:05	SS

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*33.8 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*43.1 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*27.4 %*	*30.7-106*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:39	SCB
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:39	SCB
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:39	SCB
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:39	SCB
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:39	SCB
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 08:39	SCB

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
57-74-9	Chlordane, total	ND		ug/L	0.0200	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:39	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.5 %*	ICVE20	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*34.9 %*		*30-150*

Polychlorinated Biphenyls (PCB)-8082

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:10	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:10	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Polychlorinated Biphenyls (PCB)-8082

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:10	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:10	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:10	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:10	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:10	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:10	NF
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*38.5 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:18	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:18	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:18	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*70.8 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3.14**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	**Barium**	**0.394**		mg/L	0.0278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-70-2	**Calcium**	**130**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	**Chromium**	**0.00889**		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	**Cobalt**	**0.0140**		mg/L	0.00444	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7439-89-6	**Iron**	**40.4**		mg/L	0.278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	**Lead**	**0.0283**		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-95-4	**Magnesium**	**77.1**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-96-5	**Manganese**	**1.07**		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-09-7	**Potassium**	**42.0**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-23-5	**Sodium**	**1350**	M-CCV 1	mg/L	0.556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-62-2	**Vanadium**	**0.0196**		mg/L	0.0111	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-66-6	**Zinc**	**0.0381**		mg/L	0.0278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:13	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:33	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-38-2	**Arsenic**	**11.6**		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:33	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:33	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-43-9	Cadmium	ND	M-CCV 1	ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:33	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7782-49-2	**Selenium**	**16.9**	M-CCV 1	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:33	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:33	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: HAP-LMW-01-GW **York Sample ID:** 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470	11/20/2024 08:29	11/20/2024 08:29	PFA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**4290**		mg/L	6.90	50.0	100	EPA 300.0	11/20/2024 00:22	11/20/2024 00:22	DNP
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.0944**		mg/L	0.0500	1	EPA 300.0	11/19/2024 01:22	11/19/2024 01:22	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	5.00	100	EPA 300.0	11/20/2024 00:22	11/20/2024 00:22	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
BOD	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	110	107	SM 5210 B-2016	11/20/2024 07:45	11/25/2024 13:12	PRS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
COD	**Chemical Oxygen Demand (COD)**	**420**		mg/L	10	1	SM 5220 D	11/19/2024 07:51	11/19/2024 07:51	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	11/19/2024 00:11	11/19/2024 00:42	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-01-GW

York Sample ID: 24K1330-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 10:30 am	11/18/2024

Oil & Grease

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
OILGREASE	**Oil & Grease**	**0.784**		mg/L	0.490	1	EPA 1664A	11/20/2024 21:46	11/21/2024 17:01	JA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7697-37-2	*** pH**	**8.33**	HT-pH	pH units	0.500	1	SM 4500 HB	11/20/2024 08:28	11/20/2024 16:28	LJM
							Certifications:	CTDOH-PH-0723		

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**10.6**		mg/L	0.400	5	SM 4500-N Org D	11/20/2024 15:07	11/21/2024 13:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Method Specific

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Nitrogen Calculated Analyte	**10.6**		mg/L	0.0500	100	Nitrogen Calc	11/20/2024 15:07	11/21/2024 13:31	TCD
							Certifications:			

Flashpoint

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Flashpoint	> 200		°F	50.0	1	EPA 1010A	11/19/2024 15:47	11/19/2024 21:31	JRO
							Certifications:			

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**4970**		mg/L	10.0	1	SM 2540C-2015	11/18/2024 16:18	11/18/2024 16:18	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7732-18-5	**Total Suspended Solids**	**1150**		mg/L	20.0	1	SM 2540D-2015	11/19/2024 06:51	11/19/2024 12:19	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: HAP-LMW-02-GW

York Sample ID: 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-34-3	**1,1-Dichloroethane**	**0.46**	J	ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04		
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260D	11/21/2024 15:35	11/22/2024 05:10	PD
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT		

Sample Information

Client Sample ID: HAP-LMW-02-GW

York Sample ID: 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	2.0	4.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-02-8	**Acrolein**	**2.0**	B	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND	CCVE	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-71-8	Dichlorodifluoromethane	ND	CCVE, ICVE, QL-02	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35	11/22/2024 05:10	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: HAP-LMW-02-GW

York Sample ID: 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/22/2024 05:10	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/22/2024 05:10	PD
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	11/22/2024 05:10	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68	11/22/2024 05:10	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	2.0	2	EPA 8260D Certifications:	11/21/2024 15:35 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	11/22/2024 05:10	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
127-18-4	Tetrachloroethylene	ND	ICVE, QL-02	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
79-01-6	Trichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260D Certifications:	11/21/2024 15:35 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	11/22/2024 05:10	PD

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*69-130*

Sample Information

Client Sample ID: HAP-LMW-02-GW

York Sample ID: 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.1 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*86.0 %*			*79-122*						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.47	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.49	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS NELAC-NY10854,PADEP-68-04440
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.61	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS NELAC-NY10854,PADEP-68-04440
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.21	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS NELAC-NY10854,PADEP-68-04440
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-58-7	2-Chloronaphthalene	ND		ug/L	2.20	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-74-4	2-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.27	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
99-09-2	3-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.33	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
106-47-8	4-Chloroaniline	ND		ug/L	2.98	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.45	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
100-01-6	4-Nitroaniline	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
83-32-9	**Acenaphthene**	**0.760**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
62-53-3	Aniline	ND		ug/L	1.50	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 10:53	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044

Sample Information

Client Sample ID: HAP-LMW-02-GW

York Sample ID: 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.852	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.77	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.50	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.99	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-74-8	Carbazole	ND		ug/L	1.31	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
132-64-9	Dibenzofuran	ND		ug/L	2.41	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
131-11-3	Dimethyl phthalate	ND		ug/L	1.91	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.05	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.12	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
206-44-0	**Fluoranthene**	**0.210**		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
86-73-7	**Fluorene**	**0.360**		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	NELAC-NY10854,NJDEP-CT005,PADEP-68-04440		
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.53	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-02-GW

York Sample ID: 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
78-59-1	Isophorone	ND		ug/L	2.68	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
91-20-3	**Naphthalene**	**2.76**		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.00	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
85-01-8	**Phenanthrene**	**0.700**		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
110-86-1	Pyridine	ND		ug/L	3.91	5.00	1	EPA 8270D	11/25/2024 09:50	11/26/2024 10:53	SS
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*0.920 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*3.80 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*4.16 %*	*30.7-106*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-02-GW

York Sample ID: 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		ug/L	0.0200	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 08:53	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*21.8 %*	ICVE20, S-08, S-GC	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*32.8 %*		*30-150*

Polychlorinated Biphenyls (PCB)-8082

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:23	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:23	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:23	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-02-GW **York Sample ID:** 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Polychlorinated Biphenyls (PCB)-8082

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:23	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:23	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:23	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:23	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 12:23	NF
							Certifications:			

	Surrogate Recoveries	Result		Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.0 %*		*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*23.0 %*	S-08, S-GC	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:25	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:25	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:25	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*59.2 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4.69**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	**Barium**	**0.300**		mg/L	0.0278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-70-2	**Calcium**	**230**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-48-4	**Cobalt**	**0.00644**		mg/L	0.00444	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: HAP-LMW-02-GW **York Sample ID:** 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**0.0422**		mg/L	0.0222	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-89-6	**Iron**	**52.1**		mg/L	0.278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	**Lead**	**0.0504**		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-95-4	**Magnesium**	**462**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-96-5	**Manganese**	**2.40**		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-02-0	**Nickel**	**0.0132**		mg/L	0.0111	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-09-7	**Potassium**	**173**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-62-2	**Vanadium**	**0.0163**		mg/L	0.0111	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-66-6	**Zinc**	**0.0518**		mg/L	0.0278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:14	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:37	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-38-2	**Arsenic**	**15.3**		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:37	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-41-7	**Beryllium**	**0.558**		ug/L	0.333	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:37	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	**Cadmium**	**1.04**	M-CCV 1	ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:37	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	**Selenium**	**69.1**	M-CCV 1	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:37	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:37	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: HAP-LMW-02-GW | **York Sample ID:** 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0002**		mg/L	0.0002	1	EPA 7470	11/20/2024 08:29	11/20/2024 08:29	PFA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**10900**		mg/L	34.5	250	500	EPA 300.0	11/20/2024 00:33	11/20/2024 00:33	DNP
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	25.0	500	EPA 300.0	11/20/2024 00:33	11/20/2024 00:33	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	25.0	500	EPA 300.0	11/20/2024 00:33	11/20/2024 00:33	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
BOD	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	110	107	SM 5210 B-2016	11/20/2024 07:45	11/25/2024 13:12	PRS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
COD	**Chemical Oxygen Demand (COD)**	**1800**		mg/L	250	25	SM 5220 D	11/19/2024 07:51	11/19/2024 07:51	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	11/19/2024 00:11	11/19/2024 00:42	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-02-GW **York Sample ID:** 24K1330-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:15 am	11/18/2024

Oil & Grease

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
OILGREASE	**Oil & Grease**	**0.580**		mg/L	0.483	1	EPA 1664A	11/20/2024 21:46	11/21/2024 17:01	JA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

pH

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7697-37-2	*** pH**	**6.86**	HT-pH	pH units	0.500	1	SM 4500 HB	11/20/2024 08:28	11/20/2024 16:28	LJM
							Certifications:	CTDOH-PH-0723		

Total Kjeldahl Nitrogen

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**4.91**		mg/L	0.400	5	SM 4500-N Org D	11/20/2024 15:07	11/21/2024 13:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Nitrogen

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Method Specific

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Nitrogen Calculated Analyte	**4.91**		mg/L	0.400	500	Nitrogen Calc	11/20/2024 15:07	11/21/2024 13:31	TCD
							Certifications:			

Flashpoint

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Flashpoint	> 200		°F	50.0	1	EPA 1010A	11/19/2024 15:47	11/19/2024 21:31	JRO
							Certifications:			

Total Dissolved Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**14100**		mg/L	10.0	1	SM 2540C-2015	11/19/2024 16:19	11/19/2024 16:19	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7732-18-5	**Total Suspended Solids**	**1970**		mg/L	25.0	1	SM 2540D-2015	11/19/2024 06:51	11/19/2024 12:19	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	PD
96-18-4	1,2,3-Trichloropropane	ND	CCVE	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
123-91-1	1,4-Dioxane	ND	ICVE	ug/L	80	80	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	PD
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
591-78-6	2-Hexanone	ND	CCVE	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
108-10-1	4-Methyl-2-pentanone	ND	CCVE	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND	CAL-E	ug/L	2.0	4.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-02-8	Acrolein	ND	CAL-E	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-83-9	Bromomethane	ND	CCVE	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-15-0	**Carbon disulfide**	**0.52**	J	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-87-3	Chloromethane	ND	CCVE	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
75-71-8	Dichlorodifluoromethane	ND	CCVE	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15	PD CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	PD
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.54**	J	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-C	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	PD
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,PADEP-68-	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	2.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 NELAC-NY10854,NELAC-NY12058,NJDEP-CT005,PADEP-68-04	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
127-18-4	Tetrachloroethylene	ND	CCVE, ICVE, QL-02	ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
79-01-6	Trichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260D Certifications:	11/22/2024 08:00	11/22/2024 12:15 CTDOH-PH-0723,NELAC-NY10854,NELAC-NY12058,NJDEP-CT	PD

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.9 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*92.8 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*			*79-122*						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.47	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.49	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS NELAC-NY10854,PADEP-68-04440
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.61	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS NELAC-NY10854,PADEP-68-04440
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.21	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS NELAC-NY10854,PADEP-68-04440
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-58-7	2-Chloronaphthalene	ND		ug/L	2.20	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
88-74-4	2-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.27	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
99-09-2	3-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.33	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
106-47-8	4-Chloroaniline	ND		ug/L	2.98	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.45	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
100-01-6	4-Nitroaniline	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
62-53-3	Aniline	ND		ug/L	1.50	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS NELAC-NY10854,NJDEP-CT005,PADEP-68-04440

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.852	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.77	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.50	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.99	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
86-74-8	Carbazole	ND		ug/L	1.31	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
132-64-9	Dibenzofuran	ND		ug/L	2.41	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
131-11-3	Dimethyl phthalate	ND		ug/L	1.91	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.05	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.12	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS NELAC-NY10854,NJDEP-CT005,PADEP-68-04440
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	11/25/2024 09:50	11/26/2024 11:22	SS CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.53	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
78-59-1	Isophorone	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS
110-86-1	Pyridine	ND		ug/L	3.91	5.00	1	EPA 8270D Certifications:	11/25/2024 09:50 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/26/2024 11:22	SS

	Surrogate Recoveries	Result	Acceptance Range
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*6.20 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*5.16 %*	*39.9-105*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*7.64 %*	*30.7-106*

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 09:08	SCB
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 09:08	SCB
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 09:08	SCB
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 09:08	SCB
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 09:08	SCB
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications:	11/21/2024 08:05 CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044	11/22/2024 09:08	SCB

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
57-74-9	Chlordane, total	ND		ug/L	0.0200	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	11/21/2024 08:05	11/22/2024 09:08	SCB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result		Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.1 %*	ICVE20	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*49.6 %*		*30-150*

Polychlorinated Biphenyls (PCB)-8082

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 14:26	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 14:26	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Polychlorinated Biphenyls (PCB)-8082

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 14:26	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 14:26	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 14:26	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 14:26	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 14:26	NF
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	11/21/2024 08:05	11/22/2024 14:26	NF
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*82.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.0 %*	*30-120*

Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:33	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:33	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	11/20/2024 08:28	11/21/2024 15:33	GXB
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)*	*51.8 %*	*30-150*

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**10.3**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-39-3	**Barium**	**0.297**		mg/L	0.0278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-70-2	**Calcium**	**315**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-47-3	**Chromium**	**0.0121**		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Sample Information

Client Sample ID: HAP-LMW-03-GW **York Sample ID:** 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Metals, Target Analyte, ICP

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	**Cobalt**	**0.00744**		mg/L	0.00444	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7439-89-6	**Iron**	**17.7**		mg/L	0.278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-92-1	**Lead**	**0.0337**		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-95-4	**Magnesium**	**599**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7439-96-5	**Manganese**	**0.829**		mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-02-0	**Nickel**	**0.0633**		mg/L	0.0111	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-09-7	**Potassium**	**239**		mg/L	0.0556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-22-4	Silver	ND	M-CCV 1	mg/L	0.00556	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-23-5	**Sodium**	**6690**		mg/L	5.56	10	EPA 6010D	11/21/2024 08:27	11/22/2024 13:08	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-62-2	**Vanadium**	**0.0571**		mg/L	0.0111	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-66-6	**Zinc**	**0.364**		mg/L	0.0278	1	EPA 6010D	11/21/2024 08:27	11/22/2024 11:18	AGNR
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Metals, Target Analyte, ICPMS

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND	M-CCV 1	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:40	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		
7440-38-2	**Arsenic**	**6.96**		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:40	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-41-7	**Beryllium**	**0.649**		ug/L	0.333	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:40	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-43-9	**Cadmium**	**0.564**	M-CCV 1	ug/L	0.556	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:40	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7782-49-2	**Selenium**	**88.5**	M-CCV 1	ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:40	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B	11/21/2024 08:22	11/22/2024 17:40	cw
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: HAP-LMW-03-GW **York Sample ID:** 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0005**		mg/L	0.0002	1	EPA 7470	11/20/2024 08:29	11/20/2024 08:29	PFA
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Chloride

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16887-00-6	**Chloride**	**12000**		mg/L	34.5	250	500	EPA 300.0	11/20/2024 01:06	11/20/2024 01:06	DNP
								Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-04		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	Nitrate as N	ND		mg/L	25.0	500	EPA 300.0	11/20/2024 01:06	11/20/2024 01:06	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	25.0	500	EPA 300.0	11/20/2024 01:06	11/20/2024 01:06	DNP
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,PADEP-68-04440		

Biochemical Oxygen Demand (BOD) 5-Day

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
BOD	Biochemical Oxygen Demand (BOD) (5-Day)	ND		mg/L	110	107	SM 5210 B-2016	11/20/2024 07:45	11/25/2024 13:12	PRS
							Certifications:	CTDOH-PH-0723,NELAC-NY10854,NJDEP-CT005,PADEP-68-044		

Chemical Oxygen Demand (COD)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
COD	**Chemical Oxygen Demand (COD)**	**3600**		mg/L	500	50	SM 5220 D	11/19/2024 07:51	11/19/2024 07:51	STW
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	11/19/2024 00:11	11/19/2024 00:42	SL
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

Sample Information

Client Sample ID: HAP-LMW-03-GW

York Sample ID: 24K1330-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24K1330	Harper St. Asphalt Plant	Ground Water	November 18, 2024 11:45 am	11/18/2024

Oil & Grease

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
OILGREASE	Oil & Grease	ND		mg/L	0.485	1	EPA 1664A	11/20/2024 21:46	11/21/2024 17:01	JA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-044		

pH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7697-37-2	*** pH**	**7.72**	HT-pH	pH units	0.500	1	SM 4500 HB	11/20/2024 08:28	11/20/2024 16:28	LJM
							Certifications:	CTDOH-PH-0723		

Total Kjeldahl Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Prep for SAA

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Kjeldahl Nitrogen	**13.1**		mg/L	0.400	5	SM 4500-N Org D	11/20/2024 15:07	11/21/2024 13:31	TCD
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Nitrogen

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Method Specific

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Nitrogen Calculated Analyte	**13.1**		mg/L	0.400	500	Nitrogen Calc	11/20/2024 15:07	11/21/2024 13:31	TCD
							Certifications:			

Flashpoint

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Flashpoint	> 200		°F	50.0	1	EPA 1010A	11/19/2024 15:47	11/19/2024 21:31	JRO
							Certifications:			

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
E-10173	**Total Dissolved Solids**	**17700**		mg/L	10.0	1	SM 2540C-2015	11/19/2024 16:19	11/19/2024 16:19	AA
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Total Suspended Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7732-18-5	**Total Suspended Solids**	**3190**		mg/L	33.3	1	SM 2540D-2015	11/19/2024 06:51	11/19/2024 12:19	SMM
							Certifications:	NELAC-NY10854,CTDOH-PH-0723,NJDEP-CT005,PADEP-68-04		

Analytical Batch Summary

Batch ID: BK41212 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/18/24
BK41212-BLK1	Blank	11/18/24
BK41212-DUP2	Duplicate	11/18/24
BK41212-MRL1	MRL Check	11/18/24

Batch ID: BK41234 **Preparation Method:** Analysis Preparation **Prepared By:** SL

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/19/24
24K1330-02	HAP-LMW-02-GW	11/19/24
24K1330-03	HAP-LMW-03-GW	11/19/24
BK41234-BLK1	Blank	11/19/24
BK41234-BS1	LCS	11/19/24

Batch ID: BK41236 **Preparation Method:** % Solids Prep **Prepared By:** SMM

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/19/24
24K1330-02	HAP-LMW-02-GW	11/19/24
24K1330-03	HAP-LMW-03-GW	11/19/24
BK41236-BLK1	Blank	11/19/24
BK41236-DUP1	Duplicate	11/19/24

Batch ID: BK41241 **Preparation Method:** Analysis Preparation **Prepared By:** PRS

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/19/24
24K1330-02	HAP-LMW-02-GW	11/19/24
24K1330-03	HAP-LMW-03-GW	11/19/24
BK41241-BLK1	Blank	11/19/24
BK41241-BS1	LCS	11/19/24

Batch ID: BK41308 **Preparation Method:** EPA 300 **Prepared By:** DNP

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/19/24
BK41308-BLK1	Blank	11/18/24
BK41308-BS1	LCS	11/19/24

Batch ID: BK41309 **Preparation Method:** Analysis Preparation **Prepared By:** JRO

YORK Sample ID	Client Sample ID	Preparation Date

24K1330-01	HAP-LMW-01-GW	11/19/24
24K1330-02	HAP-LMW-02-GW	11/19/24
24K1330-03	HAP-LMW-03-GW	11/19/24
BK41309-SRM1	Reference	11/19/24

Batch ID: BK41312 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-02	HAP-LMW-02-GW	11/19/24
24K1330-03	HAP-LMW-03-GW	11/19/24
BK41312-BLK1	Blank	11/19/24
BK41312-DUP1	Duplicate	11/19/24
BK41312-MRL1	MRL Check	11/19/24

Batch ID: BK41325 **Preparation Method:** Analysis Preparation **Prepared By:** PRS

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/20/24
24K1330-02	HAP-LMW-02-GW	11/20/24
24K1330-03	HAP-LMW-03-GW	11/20/24
BK41325-BLK1	Blank	11/20/24

Batch ID: BK41339 **Preparation Method:** EPA 8151A **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/20/24
24K1330-02	HAP-LMW-02-GW	11/20/24
24K1330-03	HAP-LMW-03-GW	11/20/24
BK41339-BLK1	Blank	11/20/24
BK41339-BS1	LCS	11/20/24
BK41339-BSD1	LCS Dup	11/20/24

Batch ID: BK41340 **Preparation Method:** Analysis Preparation **Prepared By:** LJM

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/20/24
24K1330-02	HAP-LMW-02-GW	11/20/24
24K1330-03	HAP-LMW-03-GW	11/20/24
BK41340-DUP1	Duplicate	11/20/24

Batch ID: BK41341 **Preparation Method:** EPA SW846-7470A **Prepared By:** PFA

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/20/24
24K1330-02	HAP-LMW-02-GW	11/20/24
24K1330-03	HAP-LMW-03-GW	11/20/24
BK41341-BLK1	Blank	11/20/24
BK41341-BLK2	Blank	11/20/24

BK41341-BS1	LCS	11/20/24
BK41341-BS2	LCS	11/20/24

Batch ID: BK41367 **Preparation Method:** Analysis Prep for SAA **Prepared By:** TCD

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/20/24
24K1330-02	HAP-LMW-02-GW	11/20/24
24K1330-03	HAP-LMW-03-GW	11/20/24
BK41367-BLK1	Blank	11/20/24
BK41367-BS1	LCS	11/20/24

Batch ID: BK41395 **Preparation Method:** EPA 300 **Prepared By:** DNP

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/20/24
24K1330-02	HAP-LMW-02-GW	11/20/24
24K1330-03	HAP-LMW-03-GW	11/20/24
BK41395-BLK1	Blank	11/19/24
BK41395-BS1	LCS	11/19/24

Batch ID: BK41419 **Preparation Method:** Analysis Preparation **Prepared By:** JA

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/20/24
24K1330-02	HAP-LMW-02-GW	11/20/24
24K1330-03	HAP-LMW-03-GW	11/20/24
BK41419-BLK1	Blank	11/20/24
BK41419-BS1	LCS	11/20/24
BK41419-DUP1	Duplicate	11/20/24
BK41419-MS1	Matrix Spike	11/20/24

Batch ID: BK41431 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/21/24
24K1330-01	HAP-LMW-01-GW	11/21/24
24K1330-02	HAP-LMW-02-GW	11/21/24
24K1330-02	HAP-LMW-02-GW	11/21/24
24K1330-03	HAP-LMW-03-GW	11/21/24
24K1330-03	HAP-LMW-03-GW	11/21/24
24K1330-03RE1	HAP-LMW-03-GW	11/21/24
BK41431-BLK1	Blank	11/21/24
BK41431-BLK2	Blank	11/21/24
BK41431-BS1	LCS	11/21/24
BK41431-BS2	LCS	11/21/24
BK41431-BSD2	LCS Dup	11/21/24

Batch ID: BK41435 **Preparation Method:** EPA 3015A **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/21/24
24K1330-02	HAP-LMW-02-GW	11/21/24
24K1330-03	HAP-LMW-03-GW	11/21/24
BK41435-BLK1	Blank	11/21/24
BK41435-BS1	LCS	11/21/24

Batch ID: BK41437 **Preparation Method:** EPA 3015A **Prepared By:** DBT

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/21/24
24K1330-02	HAP-LMW-02-GW	11/21/24
24K1330-03	HAP-LMW-03-GW	11/21/24
24K1330-03RE1	HAP-LMW-03-GW	11/21/24
BK41437-BLK1	Blank	11/21/24
BK41437-BS1	LCS	11/21/24
BK41437-DUP1	Duplicate	11/21/24
BK41437-MS1	Matrix Spike	11/21/24
BK41437-PS1	Post Spike	11/21/24

Batch ID: BK41471 **Preparation Method:** EPA 5030B **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/21/24
24K1330-02	HAP-LMW-02-GW	11/21/24
BK41471-BLK1	Blank	11/21/24
BK41471-BS1	LCS	11/21/24
BK41471-BSD1	LCS Dup	11/21/24

Batch ID: BK41529 **Preparation Method:** EPA 3510C **Prepared By:** SAC2

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-01	HAP-LMW-01-GW	11/22/24
BK41529-BS1	LCS	11/22/24
BK41529-BSD1	LCS Dup	11/22/24

Batch ID: BK41561 **Preparation Method:** EPA 5030B **Prepared By:** PMB

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-03	HAP-LMW-03-GW	11/22/24
24K1330-03RE1	HAP-LMW-03-GW	11/22/24
BK41561-BLK1	Blank	11/22/24
BK41561-BS1	LCS	11/22/24

Batch ID: BK41675 **Preparation Method:** EPA 3510C **Prepared By:** SAC2

YORK Sample ID	Client Sample ID	Preparation Date
24K1330-02	HAP-LMW-02-GW	11/25/24
24K1330-03	HAP-LMW-03-GW	11/25/24
BK41675-BLK1	Blank	11/25/24
BK41675-BS1	LCS	11/25/24

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41471 - EPA 5030B											
Blank (BK41471-BLK1)									Prepared & Analyzed: 11/21/2024		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.31	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	0.72	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.22	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41471 - EPA 5030B											
Blank (BK41471-BLK1)											Prepared & Analyzed: 11/21/2024
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.58*		*"*	*10.0*		*95.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
LCS (BK41471-BS1)											Prepared & Analyzed: 11/21/2024
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		100	82-126				
1,1,1-Trichloroethane	10		"	10.0		100	78-136				
1,1,2,2-Tetrachloroethane	9.8		"	10.0		98.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		105	54-165				
1,1,2-Trichloroethane	9.8		"	10.0		97.9	82-123				
1,1-Dichloroethane	10		"	10.0		100	82-129				
1,1-Dichloroethylene	11		"	10.0		106	68-138				
1,2,3-Trichlorobenzene	8.7		"	10.0		87.1	40-130				
1,2,3-Trichloropropane	9.9		"	10.0		99.0	77-128				
1,2,4-Trichlorobenzene	9.3		"	10.0		92.6	65-137				
1,2,4-Trimethylbenzene	11		"	10.0		109	82-132				
1,2-Dibromo-3-chloropropane	9.6		"	10.0		96.2	45-147				
1,2-Dibromoethane	9.8		"	10.0		98.3	83-124				
1,2-Dichlorobenzene	9.9		"	10.0		98.6	79-123				
1,2-Dichloroethane	9.8		"	10.0		97.7	73-132				
1,2-Dichloropropane	11		"	10.0		107	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		109	80-131				
1,3-Dichlorobenzene	10		"	10.0		100	86-130				
1,4-Dichlorobenzene	9.9		"	10.0		98.7	85-130				
1,4-Dioxane	190		"	210		89.9	10-349				
2-Butanone	9.2		"	10.0		91.6	49-152				
2-Hexanone	9.3		"	10.0		93.1	51-146				
4-Methyl-2-pentanone	10		"	10.0		101	57-145				
Acetone	7.8		"	10.0		78.3	14-150				
Acrolein	9.3		"	10.0		93.3	10-153				
Acrylonitrile	10		"	10.0		102	51-150				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41471 - EPA 5030B											
LCS (BK41471-BS1)							Prepared & Analyzed: 11/21/2024				
Benzene	10		ug/L	10.0		105	85-126				
Bromochloromethane	10		"	10.0		101	77-128				
Bromodichloromethane	10		"	10.0		103	79-128				
Bromoform	9.4		"	10.0		93.5	78-133				
Bromomethane	6.8		"	10.0		67.7	43-168				
Carbon disulfide	10		"	10.0		99.7	68-146				
Carbon tetrachloride	10		"	10.0		102	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	8.7		"	10.0		86.9	65-136				
Chloroform	10		"	10.0		99.8	82-128				
Chloromethane	5.9		"	10.0		58.7	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		101	80-131				
Cyclohexane	11		"	10.0		108	63-149				
Dibromochloromethane	9.9		"	10.0		99.0	80-130				
Dibromomethane	9.7		"	10.0		96.7	72-134				
Dichlorodifluoromethane	3.1		"	10.0		31.1	44-144	Low Bias			
Ethyl Benzene	11		"	10.0		107	80-131				
Hexachlorobutadiene	9.9		"	10.0		98.7	67-146				
Isopropylbenzene	11		"	10.0		109	76-140				
Methyl acetate	9.1		"	10.0		91.3	51-139				
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		92.5	76-135				
Methylcyclohexane	10		"	10.0		104	72-143				
Methylene chloride	11		"	10.0		110	55-137				
n-Butylbenzene	11		"	10.0		109	79-132				
n-Propylbenzene	11		"	10.0		108	78-133				
o-Xylene	10		"	10.0		104	78-130				
p- & m- Xylenes	21		"	20.0		105	77-133				
p-Isopropyltoluene	11		"	10.0		108	81-136				
sec-Butylbenzene	11		"	10.0		107	79-137				
Styrene	10		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	44		"	50.0		87.7	25-162				
tert-Butylbenzene	10		"	10.0		105	77-138				
Tetrachloroethylene	5.3		"	10.0		52.9	82-131	Low Bias			
Toluene	11		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		99.9	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		102	63-141				
Trichloroethylene	11		"	10.0		111	82-128				
Trichlorofluoromethane	8.6		"	10.0		86.5	67-139				
Vinyl Chloride	6.8		"	10.0		68.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.38*		*"*	*10.0*		*93.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41471 - EPA 5030B											
LCS Dup (BK41471-BSD1)							Prepared & Analyzed: 11/21/2024				
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		96.8	82-126		3.55	30	
1,1,1-Trichloroethane	9.3		"	10.0		92.9	78-136		7.56	30	
1,1,2,2-Tetrachloroethane	9.7		"	10.0		96.8	76-129		1.44	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.4		"	10.0		93.8	54-165		11.6	30	
1,1,2-Trichloroethane	9.6		"	10.0		96.1	82-123		1.86	30	
1,1-Dichloroethane	9.6		"	10.0		96.1	82-129		4.08	30	
1,1-Dichloroethylene	9.8		"	10.0		97.6	68-138		8.63	30	
1,2,3-Trichlorobenzene	8.0		"	10.0		79.6	40-130		9.00	30	
1,2,3-Trichloropropane	9.7		"	10.0		96.8	77-128		2.25	30	
1,2,4-Trichlorobenzene	9.0		"	10.0		89.9	65-137		2.96	30	
1,2,4-Trimethylbenzene	10		"	10.0		104	82-132		3.94	30	
1,2-Dibromo-3-chloropropane	9.5		"	10.0		94.9	45-147		1.36	30	
1,2-Dibromoethane	9.6		"	10.0		96.3	83-124		2.06	30	
1,2-Dichlorobenzene	9.6		"	10.0		95.5	79-123		3.19	30	
1,2-Dichloroethane	9.7		"	10.0		96.6	73-132		1.13	30	
1,2-Dichloropropane	10		"	10.0		102	78-126		4.21	30	
1,3,5-Trimethylbenzene	10		"	10.0		104	80-131		4.97	30	
1,3-Dichlorobenzene	9.7		"	10.0		97.0	86-130		3.25	30	
1,4-Dichlorobenzene	9.6		"	10.0		96.2	85-130		2.57	30	
1,4-Dioxane	230		"	210		108	10-349		18.1	30	
2-Butanone	9.3		"	10.0		93.3	49-152		1.84	30	
2-Hexanone	9.5		"	10.0		95.4	51-146		2.44	30	
4-Methyl-2-pentanone	9.9		"	10.0		99.2	57-145		1.50	30	
Acetone	8.1		"	10.0		80.7	14-150		3.02	30	
Acrolein	8.2		"	10.0		81.8	10-153		13.1	30	
Acrylonitrile	10		"	10.0		100	51-150		1.68	30	
Benzene	10		"	10.0		101	85-126		3.98	30	
Bromochloromethane	9.9		"	10.0		98.6	77-128		2.01	30	
Bromodichloromethane	10		"	10.0		100	79-128		2.56	30	
Bromoform	9.6		"	10.0		95.8	78-133		2.43	30	
Bromomethane	7.8		"	10.0		78.5	43-168		14.8	30	
Carbon disulfide	9.2		"	10.0		92.1	68-146		7.92	30	
Carbon tetrachloride	9.4		"	10.0		93.6	77-141		8.20	30	
Chlorobenzene	9.8		"	10.0		98.4	88-120		3.69	30	
Chloroethane	8.1		"	10.0		81.3	65-136		6.66	30	
Chloroform	9.6		"	10.0		96.3	82-128		3.57	30	
Chloromethane	5.1		"	10.0		51.2	43-155		13.6	30	
cis-1,2-Dichloroethylene	9.9		"	10.0		99.1	83-129		3.76	30	
cis-1,3-Dichloropropylene	9.9		"	10.0		99.0	80-131		1.60	30	
Cyclohexane	9.6		"	10.0		96.4	63-149		11.0	30	
Dibromochloromethane	9.7		"	10.0		97.0	80-130		2.04	30	
Dibromomethane	9.4		"	10.0		94.2	72-134		2.62	30	
Dichlorodifluoromethane	2.7		"	10.0		26.8	44-144	Low Bias	14.9	30	
Ethyl Benzene	10		"	10.0		102	80-131		4.96	30	
Hexachlorobutadiene	9.5		"	10.0		94.6	67-146		4.24	30	
Isopropylbenzene	10		"	10.0		102	76-140		6.06	30	
Methyl acetate	9.2		"	10.0		91.9	51-139		0.655	30	
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		92.2	76-135		0.325	30	
Methylcyclohexane	9.6		"	10.0		96.2	72-143		8.18	30	
Methylene chloride	11		"	10.0		108	55-137		1.74	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41471 - EPA 5030B											
LCS Dup (BK41471-BSD1)								Prepared & Analyzed: 11/21/2024			
n-Butylbenzene	10		ug/L	10.0		104	79-132		4.88	30	
n-Propylbenzene	10		"	10.0		103	78-133		5.50	30	
o-Xylene	10		"	10.0		100	78-130		3.71	30	
p- & m- Xylenes	20		"	20.0		100	77-133		4.86	30	
p-Isopropyltoluene	10		"	10.0		103	81-136		5.01	30	
sec-Butylbenzene	10		"	10.0		102	79-137		5.08	30	
Styrene	10		"	10.0		101	67-132		3.21	30	
tert-Butyl alcohol (TBA)	48		"	50.0		95.5	25-162		8.54	30	
tert-Butylbenzene	9.9		"	10.0		99.3	77-138		5.29	30	
Tetrachloroethylene	4.9		"	10.0		48.8	82-131	Low Bias	8.06	30	
Toluene	10		"	10.0		101	80-127		5.28	30	
trans-1,2-Dichloroethylene	9.9		"	10.0		98.7	80-132		5.33	30	
trans-1,3-Dichloropropylene	10		"	10.0		99.6	78-131		0.301	30	
trans-1,4-dichloro-2-butene	11		"	10.0		105	63-141		3.28	30	
Trichloroethylene	10		"	10.0		104	82-128		5.95	30	
Trichlorofluoromethane	7.7		"	10.0		77.4	67-139		11.1	30	
Vinyl Chloride	6.3		"	10.0		63.3	58-145		7.45	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.65*		*"*	*10.0*		*96.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*79-122*				
Batch BK41561 - EPA 5030B											
Blank (BK41561-BLK1)								Prepared & Analyzed: 11/22/2024			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41561 - EPA 5030B											
Blank (BK41561-BLK1)											
Prepared & Analyzed: 11/22/2024											
Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.58*		*"*	*10.0*		*95.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.29*		*"*	*10.0*		*92.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41561 - EPA 5030B											
LCS (BK41561-BS1)								Prepared & Analyzed: 11/22/2024			
1,1,1,2-Tetrachloroethane	9.0		ug/L	10.0		90.0	82-126				
1,1,1-Trichloroethane	11		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	8.4		"	10.0		84.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		126	54-165				
1,1,2-Trichloroethane	8.5		"	10.0		85.0	82-123				
1,1-Dichloroethane	10		"	10.0		104	82-129				
1,1-Dichloroethylene	12		"	10.0		124	68-138				
1,2,3-Trichlorobenzene	7.9		"	10.0		78.9	40-130				
1,2,3-Trichloropropane	7.9		"	10.0		79.4	77-128				
1,2,4-Trichlorobenzene	8.3		"	10.0		83.2	65-137				
1,2,4-Trimethylbenzene	9.2		"	10.0		91.6	82-132				
1,2-Dibromo-3-chloropropane	8.5		"	10.0		84.8	45-147				
1,2-Dibromoethane	8.4		"	10.0		84.0	83-124				
1,2-Dichlorobenzene	8.6		"	10.0		86.3	79-123				
1,2-Dichloroethane	9.8		"	10.0		98.0	73-132				
1,2-Dichloropropane	9.0		"	10.0		90.3	78-126				
1,3,5-Trimethylbenzene	9.6		"	10.0		96.5	80-131				
1,3-Dichlorobenzene	8.7		"	10.0		87.2	86-130				
1,4-Dichlorobenzene	8.6		"	10.0		86.2	85-130				
1,4-Dioxane	240		"	210		117	10-349				
2-Butanone	8.5		"	10.0		84.8	49-152				
2-Hexanone	6.4		"	10.0		64.1	51-146				
4-Methyl-2-pentanone	7.2		"	10.0		72.3	57-145				
Acetone	5.8		"	10.0		58.1	14-150				
Acrolein	4.5		"	10.0		45.3	10-153				
Acrylonitrile	10		"	10.0		102	51-150				
Benzene	12		"	10.0		116	85-126				
Bromochloromethane	9.5		"	10.0		95.2	77-128				
Bromodichloromethane	8.8		"	10.0		87.6	79-128				
Bromoform	8.4		"	10.0		84.1	78-133				
Bromomethane	4.6		"	10.0		45.5	43-168				
Carbon disulfide	14		"	10.0		140	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	9.3		"	10.0		92.8	88-120				
Chloroethane	12		"	10.0		117	65-136				
Chloroform	10		"	10.0		104	82-128				
Chloromethane	7.6		"	10.0		76.2	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	8.5		"	10.0		84.7	80-131				
Cyclohexane	11		"	10.0		115	63-149				
Dibromochloromethane	8.4		"	10.0		83.9	80-130				
Dibromomethane	8.5		"	10.0		84.6	72-134				
Dichlorodifluoromethane	6.9		"	10.0		69.3	44-144				
Ethyl Benzene	9.9		"	10.0		99.3	80-131				
Hexachlorobutadiene	8.7		"	10.0		87.3	67-146				
Isopropylbenzene	9.5		"	10.0		94.8	76-140				
Methyl acetate	8.2		"	10.0		82.3	51-139				
Methyl tert-butyl ether (MTBE)	9.1		"	10.0		91.1	76-135				
Methylcyclohexane	9.9		"	10.0		99.4	72-143				
Methylene chloride	11		"	10.0		108	55-137				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41561 - EPA 5030B											
LCS (BK41561-BS1)								Prepared & Analyzed: 11/22/2024			
n-Butylbenzene	9.7		ug/L	10.0		96.9	79-132				
n-Propylbenzene	9.6		"	10.0		95.8	78-133				
o-Xylene	9.5		"	10.0		94.8	78-130				
p- & m- Xylenes	17		"	20.0		85.4	77-133				
p-Isopropyltoluene	9.7		"	10.0		97.3	81-136				
sec-Butylbenzene	9.6		"	10.0		96.1	79-137				
Styrene	9.5		"	10.0		94.6	67-132				
tert-Butyl alcohol (TBA)	18		"	50.0		36.1	25-162				
tert-Butylbenzene	9.2		"	10.0		92.1	77-138				
Tetrachloroethylene	5.6		"	10.0		56.3	82-131	Low Bias			
Toluene	10		"	10.0		99.6	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	8.5		"	10.0		84.7	78-131				
trans-1,4-dichloro-2-butene	8.4		"	10.0		84.4	63-141				
Trichloroethylene	9.3		"	10.0		93.2	82-128				
Trichlorofluoromethane	9.3		"	10.0		93.2	67-139				
Vinyl Chloride	10		"	10.0		99.9	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.03*		*"*	*10.0*		*90.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.37*		*"*	*10.0*		*93.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*79-122*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41529 - EPA 3510C											
LCS (BK41529-BS1)							Prepared & Analyzed: 11/22/2024				
1,2,4-Trichlorobenzene	10.2	5.00	ug/L	25.0		40.6	35-91				
1,2-Dichlorobenzene	8.89	5.00	"	25.0		35.6	42-85	Low Bias			
1,3-Dichlorobenzene	8.50	5.00	"	25.0		34.0	45-80	Low Bias			
1,4-Dichlorobenzene	8.71	5.00	"	25.0		34.8	42-82	Low Bias			
2,4-Dinitrotoluene	15.7	5.00	"	25.0		62.6	41-114				
2,6-Dinitrotoluene	15.6	5.00	"	25.0		62.2	49-106				
2-Chloronaphthalene	10.6	5.00	"	25.0		42.5	40-96				
2-Methylnaphthalene	10.2	5.00	"	25.0		40.6	33-101				
2-Nitroaniline	14.7	5.00	"	25.0		59.0	31-122				
3,3-Dichlorobenzidine	10.3	5.00	"	25.0		41.1	25-155				
3-Nitroaniline	12.0	5.00	"	25.0		48.0	29-128				
4-Bromophenyl phenyl ether	13.3	5.00	"	25.0		53.3	38-116				
4-Chloroaniline	7.62	5.00	"	25.0		30.5	10-154				
4-Chlorophenyl phenyl ether	12.2	5.00	"	25.0		48.8	34-112				
4-Nitroaniline	14.3	5.00	"	25.0		57.1	15-143				
Acenaphthene	11.4	0.0500	"	25.0		45.8	24-114				
Acenaphthylene	11.3	0.0500	"	25.0		45.3	26-112				
Aniline	3.69	5.00	"	25.0		14.8	10-107				
Anthracene	13.6	0.0500	"	25.0		54.3	35-114				
Benzo(a)anthracene	14.6	0.0500	"	25.0		58.4	38-127				
Benzo(a)pyrene	13.9	0.0500	"	25.0		55.7	30-146				
Benzo(b)fluoranthene	15.1	0.0500	"	25.0		60.5	36-145				
Benzo(g,h,i)perylene	16.0	0.0500	"	25.0		63.8	10-163				
Benzo(k)fluoranthene	14.5	0.0500	"	25.0		58.0	16-149				
Benzyl butyl phthalate	14.6	5.00	"	25.0		58.4	28-129				
Bis(2-chloroethoxy)methane	13.6	5.00	"	25.0		54.2	27-112				
Bis(2-chloroethyl)ether	10.9	5.00	"	25.0		43.6	24-114				
Bis(2-chloroisopropyl)ether	12.0	5.00	"	25.0		48.2	21-124				
Bis(2-ethylhexyl)phthalate	15.1	0.500	"	25.0		60.3	10-171				
Carbazole	14.4	5.00	"	25.0		57.4	49-116				
Chrysene	14.3	0.0500	"	25.0		57.3	33-120				
Dibenzo(a,h)anthracene	14.4	0.0500	"	25.0		57.8	10-149				
Dibenzofuran	11.8	5.00	"	25.0		47.1	42-105				
Diethyl phthalate	14.8	5.00	"	25.0		59.1	38-112				
Dimethyl phthalate	14.8	5.00	"	25.0		59.3	49-106				
Di-n-butyl phthalate	15.2	5.00	"	25.0		60.8	36-110				
Di-n-octyl phthalate	14.5	5.00	"	25.0		57.9	12-149				
Fluoranthene	14.4	0.0500	"	25.0		57.7	33-126				
Fluorene	12.5	0.0500	"	25.0		50.0	28-117				
Hexachlorobenzene	14.2	0.0200	"	25.0		56.8	27-120				
Hexachlorobutadiene	10.3	0.500	"	25.0		41.2	25-106				
Hexachlorocyclopentadiene	4.63	5.00	"	25.0		18.5	10-99				
Hexachloroethane	9.53	0.500	"	25.0		38.1	33-84				
Indeno(1,2,3-cd)pyrene	18.6	0.0500	"	25.0		74.4	10-150				
Isophorone	14.4	5.00	"	25.0		57.4	29-115				
Naphthalene	10.6	0.0500	"	25.0		42.4	30-99				
Nitrobenzene	12.3	0.250	"	25.0		49.2	32-113				
N-Nitrosodimethylamine	5.08	0.500	"	25.0		20.3	10-63				
N-nitroso-di-n-propylamine	13.1	5.00	"	25.0		52.6	36-118				
N-Nitrosodiphenylamine	16.2	5.00	"	25.0		64.7	27-145				
Phenanthrene	13.5	0.0500	"	25.0		54.1	31-112				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41529 - EPA 3510C											
LCS (BK41529-BS1)							Prepared & Analyzed: 11/22/2024				
Pyrene	13.8	0.0500	ug/L	25.0		55.1	42-125				
Pyridine	ND	5.00	"	35.0			10-46	Low Bias			
Surrogate: SURR: Nitrobenzene-d5	*11.9*		*"*	*25.0*		*47.4*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*9.27*		*"*	*25.0*		*37.1*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*13.8*		*"*	*25.0*		*55.3*	*30.7-106*				
LCS Dup (BK41529-BSD1)							Prepared & Analyzed: 11/22/2024				
1,2,4-Trichlorobenzene	9.86	5.00	ug/L	25.0		39.4	35-91		3.00	20	
1,2-Dichlorobenzene	8.61	5.00	"	25.0		34.4	42-85	Low Bias	3.20	20	
1,3-Dichlorobenzene	8.27	5.00	"	25.0		33.1	45-80	Low Bias	2.74	20	
1,4-Dichlorobenzene	8.43	5.00	"	25.0		33.7	42-82	Low Bias	3.27	20	
2,4-Dinitrotoluene	17.3	5.00	"	25.0		69.0	41-114		9.72	20	
2,6-Dinitrotoluene	17.0	5.00	"	25.0		68.1	49-106		9.03	20	
2-Chloronaphthalene	10.7	5.00	"	25.0		42.9	40-96		0.937	20	
2-Methylnaphthalene	10.4	5.00	"	25.0		41.5	33-101		2.24	20	
2-Nitroaniline	16.0	5.00	"	25.0		64.1	31-122		8.32	20	
3,3-Dichlorobenzidine	10.2	5.00	"	25.0		40.8	25-155		0.781	20	
3-Nitroaniline	12.7	5.00	"	25.0		50.6	29-128		5.27	20	
4-Bromophenyl phenyl ether	12.9	5.00	"	25.0		51.4	38-116		3.51	20	
4-Chloroaniline	8.12	5.00	"	25.0		32.5	10-154		6.35	20	
4-Chlorophenyl phenyl ether	12.1	5.00	"	25.0		48.2	34-112		1.15	20	
4-Nitroaniline	14.9	5.00	"	25.0		59.5	15-143		4.12	20	
Acenaphthene	11.2	0.0500	"	25.0		44.9	24-114		1.94	20	
Acenaphthylene	11.7	0.0500	"	25.0		46.6	26-112		2.87	20	
Aniline	5.38	5.00	"	25.0		21.5	10-107		37.3	20	Non-dir.
Anthracene	14.0	0.0500	"	25.0		56.1	35-114		3.26	20	
Benzo(a)anthracene	14.9	0.0500	"	25.0		59.7	38-127		2.30	20	
Benzo(a)pyrene	13.7	0.0500	"	25.0		54.7	30-146		1.88	20	
Benzo(b)fluoranthene	15.3	0.0500	"	25.0		61.2	36-145		1.25	20	
Benzo(g,h,i)perylene	15.8	0.0500	"	25.0		63.0	10-163		1.32	20	
Benzo(k)fluoranthene	14.8	0.0500	"	25.0		59.1	16-149		1.91	20	
Benzyl butyl phthalate	15.2	5.00	"	25.0		61.0	28-129		4.22	20	
Bis(2-chloroethoxy)methane	14.7	5.00	"	25.0		58.6	27-112		7.80	20	
Bis(2-chloroethyl)ether	10.7	5.00	"	25.0		42.8	24-114		1.85	20	
Bis(2-chloroisopropyl)ether	12.2	5.00	"	25.0		48.8	21-124		1.32	20	
Bis(2-ethylhexyl)phthalate	15.3	0.500	"	25.0		61.1	10-171		1.32	20	
Carbazole	15.1	5.00	"	25.0		60.3	49-116		4.96	20	
Chrysene	15.0	0.0500	"	25.0		60.1	33-120		4.77	20	
Dibenzo(a,h)anthracene	14.6	0.0500	"	25.0		58.6	10-149		1.44	20	
Dibenzofuran	12.1	5.00	"	25.0		48.6	42-105		3.09	20	
Diethyl phthalate	15.9	5.00	"	25.0		63.5	38-112		7.18	20	
Dimethyl phthalate	15.6	5.00	"	25.0		62.6	49-106		5.45	20	
Di-n-butyl phthalate	16.1	5.00	"	25.0		64.5	36-110		5.87	20	
Di-n-octyl phthalate	14.6	5.00	"	25.0		58.4	12-149		0.757	20	
Fluoranthene	15.1	0.0500	"	25.0		60.4	33-126		4.61	20	
Fluorene	12.9	0.0500	"	25.0		51.6	28-117		3.15	20	
Hexachlorobenzene	13.9	0.0200	"	25.0		55.4	27-120		2.35	20	
Hexachlorobutadiene	10.3	0.500	"	25.0		41.2	25-106		0.00	20	
Hexachlorocyclopentadiene	4.34	5.00	"	25.0		17.4	10-99		6.47	20	
Hexachloroethane	8.74	0.500	"	25.0		35.0	33-84		8.65	20	
Indeno(1,2,3-cd)pyrene	18.6	0.0500	"	25.0		74.5	10-150		0.215	20	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41529 - EPA 3510C											
LCS Dup (BK41529-BSD1)								Prepared & Analyzed: 11/22/2024			
Isophorone	15.1	5.00	ug/L	25.0		60.4	29-115		5.09	20	
Naphthalene	10.6	0.0500	"	25.0		42.2	30-99		0.378	20	
Nitrobenzene	12.7	0.250	"	25.0		50.8	32-113		3.12	20	
N-Nitrosodimethylamine	5.06	0.500	"	25.0		20.2	10-63		0.394	20	
N-nitroso-di-n-propylamine	13.7	5.00	"	25.0		54.7	36-118		3.95	20	
N-Nitrosodiphenylamine	16.8	5.00	"	25.0		67.3	27-145		3.94	20	
Phenanthrene	14.2	0.0500	"	25.0		56.9	31-112		5.05	20	
Pyrene	14.4	0.0500	"	25.0		57.8	42-125		4.75	20	
Pyridine	ND	5.00	"	35.0			10-46	Low Bias		20	
Surrogate: SURR: Nitrobenzene-d5	*12.1*		*"*	*25.0*		*48.4*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*9.87*		*"*	*25.0*		*39.5*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*14.3*		*"*	*25.0*		*57.2*	*30.7-106*				
Batch BK41675 - EPA 3510C											
Blank (BK41675-BLK1)								Prepared: 11/25/2024 Analyzed: 11/26/2024			
1,2,4-Trichlorobenzene	ND	5.00	ug/L								
1,2-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41675 - EPA 3510C											
Blank (BK41675-BLK1)								Prepared: 11/25/2024 Analyzed: 11/26/2024			
Di-n-butyl phthalate	ND	5.00	ug/L								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: Nitrobenzene-d5	*11.2*		*"*	*25.0*		*44.6*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*9.35*		*"*	*25.0*		*37.4*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*12.6*		*"*	*25.0*		*50.2*	*30.7-106*				
LCS (BK41675-BS1)								Prepared: 11/25/2024 Analyzed: 11/26/2024			
1,2,4-Trichlorobenzene	10.5	5.00	ug/L	25.0		41.8	35-91				
1,2-Dichlorobenzene	9.74	5.00	"	25.0		39.0	42-85	Low Bias			
1,3-Dichlorobenzene	9.24	5.00	"	25.0		37.0	45-80	Low Bias			
1,4-Dichlorobenzene	9.47	5.00	"	25.0		37.9	42-82	Low Bias			
2,4-Dinitrotoluene	15.3	5.00	"	25.0		61.1	41-114				
2,6-Dinitrotoluene	15.8	5.00	"	25.0		63.4	49-106				
2-Chloronaphthalene	11.5	5.00	"	25.0		46.0	40-96				
2-Methylnaphthalene	11.2	5.00	"	25.0		44.7	33-101				
2-Nitroaniline	14.5	5.00	"	25.0		57.9	31-122				
3,3-Dichlorobenzidine	7.32	5.00	"	25.0		29.3	25-155				
3-Nitroaniline	11.4	5.00	"	25.0		45.8	29-128				
4-Bromophenyl phenyl ether	13.0	5.00	"	25.0		52.0	38-116				
4-Chloroaniline	10.2	5.00	"	25.0		41.0	10-154				
4-Chlorophenyl phenyl ether	12.7	5.00	"	25.0		50.6	34-112				
4-Nitroaniline	12.5	5.00	"	25.0		49.9	15-143				
Acenaphthene	12.4	0.0500	"	25.0		49.4	24-114				
Acenaphthylene	12.8	0.0500	"	25.0		51.2	26-112				
Aniline	6.13	5.00	"	25.0		24.5	10-107				
Anthracene	13.2	0.0500	"	25.0		52.8	35-114				
Benzo(a)anthracene	13.4	0.0500	"	25.0		53.8	38-127				
Benzo(a)pyrene	12.7	0.0500	"	25.0		50.6	30-146				
Benzo(b)fluoranthene	12.9	0.0500	"	25.0		51.5	36-145				
Benzo(g,h,i)perylene	14.2	0.0500	"	25.0		56.8	10-163				
Benzo(k)fluoranthene	13.3	0.0500	"	25.0		53.2	16-149				
Benzyl butyl phthalate	14.1	5.00	"	25.0		56.4	28-129				
Bis(2-chloroethoxy)methane	13.4	5.00	"	25.0		53.6	27-112				
Bis(2-chloroethyl)ether	12.2	5.00	"	25.0		48.9	24-114				
Bis(2-chloroisopropyl)ether	14.1	5.00	"	25.0		56.5	21-124				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41675 - EPA 3510C											
LCS (BK41675-BS1)								Prepared: 11/25/2024 Analyzed: 11/26/2024			
Bis(2-ethylhexyl)phthalate	14.0	0.500	ug/L	25.0		56.2	10-171				
Carbazole	12.7	5.00	"	25.0		51.0	49-116				
Chrysene	13.2	0.0500	"	25.0		52.9	33-120				
Dibenzo(a,h)anthracene	12.9	0.0500	"	25.0		51.7	10-149				
Dibenzofuran	13.1	5.00	"	25.0		52.4	42-105				
Diethyl phthalate	13.7	5.00	"	25.0		54.7	38-112				
Dimethyl phthalate	13.8	5.00	"	25.0		55.4	49-106				
Di-n-butyl phthalate	14.1	5.00	"	25.0		56.2	36-110				
Di-n-octyl phthalate	13.4	5.00	"	25.0		53.5	12-149				
Fluoranthene	13.2	0.0500	"	25.0		52.6	33-126				
Fluorene	12.9	0.0500	"	25.0		51.6	28-117				
Hexachlorobenzene	13.6	0.0200	"	25.0		54.4	27-120				
Hexachlorobutadiene	7.80	0.500	"	25.0		31.2	25-106				
Hexachlorocyclopentadiene	4.94	5.00	"	25.0		19.8	10-99				
Hexachloroethane	8.59	0.500	"	25.0		34.4	33-84				
Indeno(1,2,3-cd)pyrene	14.2	0.0500	"	25.0		56.8	10-150				
Isophorone	13.8	5.00	"	25.0		55.1	29-115				
Naphthalene	11.8	0.0500	"	25.0		47.0	30-99				
Nitrobenzene	13.2	0.250	"	25.0		52.7	32-113				
N-Nitrosodimethylamine	5.15	0.500	"	25.0		20.6	10-63				
N-nitroso-di-n-propylamine	13.4	5.00	"	25.0		53.7	36-118				
N-Nitrosodiphenylamine	14.9	5.00	"	25.0		59.6	27-145				
Phenanthrene	13.2	0.0500	"	25.0		52.7	31-112				
Pyrene	13.4	0.0500	"	25.0		53.6	42-125				
Pyridine	ND	5.00	"	35.0			10-46	Low Bias			
Surrogate: SURR: Nitrobenzene-d5	*13.9*		*"*	*25.0*		*55.7*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*12.0*		*"*	*25.0*		*48.2*	*39.9-105*				
Surrogate: SURR: Terphenyl-d14	*14.4*		*"*	*25.0*		*57.7*	*30.7-106*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41431 - EPA SW846-3510C Low Level											
Blank (BK41431-BLK1)									Prepared & Analyzed: 11/21/2024		
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	*0.0819*		*"*	*0.200*		*40.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0591*		*"*	*0.200*		*29.5*	*30-150*				
LCS (BK41431-BS1)									Prepared & Analyzed: 11/21/2024		
4,4'-DDD	0.0609	0.00400	ug/L	0.100		60.9	40-140				
4,4'-DDE	0.0597	0.00400	"	0.100		59.7	40-140				
4,4'-DDT	0.0655	0.00400	"	0.100		65.5	40-140				
Aldrin	0.0529	0.00400	"	0.100		52.9	40-140				
alpha-BHC	0.0583	0.00400	"	0.100		58.3	40-140				
alpha-Chlordane	0.0561	0.00400	"	0.100		56.1	40-140				
beta-BHC	0.0653	0.00400	"	0.100		65.3	40-140				
delta-BHC	0.0546	0.00400	"	0.100		54.6	40-140				
Dieldrin	0.0650	0.00200	"	0.100		65.0	40-140				
Endosulfan I	0.0602	0.00400	"	0.100		60.2	40-140				
Endosulfan II	0.0654	0.00400	"	0.100		65.4	40-140				
Endosulfan sulfate	0.0605	0.00400	"	0.100		60.5	40-140				
Endrin	0.0643	0.00400	"	0.100		64.3	40-140				
Endrin aldehyde	0.0710	0.0100	"	0.100		71.0	40-140				
Endrin ketone	0.0647	0.0100	"	0.100		64.7	40-140				
gamma-BHC (Lindane)	0.0604	0.00400	"	0.100		60.4	40-140				
gamma-Chlordane	0.0536	0.0100	"	0.100		53.6	40-140				
Heptachlor	0.0611	0.00400	"	0.100		61.1	40-140				
Heptachlor epoxide	0.0603	0.00400	"	0.100		60.3	40-140				
Methoxychlor	0.0672	0.00400	"	0.100		67.2	40-140				
Surrogate: Decachlorobiphenyl	*0.109*		*"*	*0.200*		*54.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.109*		*"*	*0.200*		*54.4*	*30-150*				

Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41431 - EPA SW846-3510C Low Level											
Blank (BK41431-BLK2)								Prepared & Analyzed: 11/21/2024			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.0630*		*"*	*0.200*		*31.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0950*		*"*	*0.200*		*47.5*	*30-120*				
LCS (BK41431-BS2)								Prepared & Analyzed: 11/21/2024			
Aroclor 1016	0.529	0.0500	ug/L	1.00		52.9	40-120				
Aroclor 1260	0.521	0.0500	"	1.00		52.1	40-120				
Surrogate: Tetrachloro-m-xylene	*0.0780*		*"*	*0.200*		*39.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.102*		*"*	*0.200*		*51.0*	*30-120*				
LCS Dup (BK41431-BSD2)								Prepared & Analyzed: 11/21/2024			
Aroclor 1016	0.506	0.0500	ug/L	1.00		50.6	40-120		4.40	30	
Aroclor 1260	0.511	0.0500	"	1.00		51.1	40-120		1.98	30	
Surrogate: Tetrachloro-m-xylene	*0.0730*		*"*	*0.200*		*36.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0780*		*"*	*0.200*		*39.0*	*30-120*				

Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41339 - EPA 8151A											
Blank (BK41339-BLK1)									Prepared: 11/20/2024 Analyzed: 11/21/2024		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*113*		*"*	*125*		*90.6*	*30-150*				
LCS (BK41339-BS1)									Prepared: 11/20/2024 Analyzed: 11/21/2024		
2,4,5-T	19.5	5.00	ug/L	20.0		97.5	10-140				
2,4,5-TP (Silvex)	19.5	5.00	"	20.0		97.5	10-139				
2,4-D	23.2	5.00	"	20.0		116	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*111*		*"*	*125*		*88.6*	*30-150*				
LCS Dup (BK41339-BSD1)									Prepared: 11/20/2024 Analyzed: 11/21/2024		
2,4,5-T	19.0	5.00	ug/L	20.0		95.0	10-140		2.60	30	
2,4,5-TP (Silvex)	19.2	5.00	"	20.0		96.2	10-139		1.29	30	
2,4-D	23.2	5.00	"	20.0		116	10-140		0.00	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*114*		*"*	*125*		*90.8*	*30-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41437 - EPA 3015A											
Blank (BK41437-BLK1)											
Prepared: 11/21/2024 Analyzed: 11/22/2024											
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								
LCS (BK41437-BS1)											
Prepared: 11/21/2024 Analyzed: 11/22/2024											
Aluminum	1.98		ug/mL	2.00		99.0	80-120				
Barium	2.15		"	2.00		107	80-120				
Calcium	1.12		"	1.00		112	80-120				
Chromium	0.213		"	0.200		106	80-120				
Cobalt	0.549		"	0.500		110	80-120				
Copper	0.274		"	0.250		110	80-120				
Iron	1.03		"	1.00		103	80-120				
Lead	0.483		"	0.500		96.5	80-120				
Magnesium	1.00		"	1.00		100	80-120				
Manganese	0.545		"	0.500		109	80-120				
Nickel	0.540		"	0.500		108	80-120				
Potassium	1.07		"	1.00		107	80-120				
Silver	0.0510		"	0.0500		102	80-120				
Sodium	1.19		"	1.00		119	80-120				
Vanadium	0.528		"	0.500		106	80-120				
Zinc	0.518		"	0.500		104	80-120				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41437 - EPA 3015A											
Duplicate (BK41437-DUP1)	*Source sample: 24K1330-03 (HAP-LMW-03-GW)								Prepared: 11/21/2024 Analyzed: 11/22/2024		
Aluminum	10.7	0.0556	mg/L		10.3				3.85	20	
Barium	0.298	0.0278	"		0.297				0.112	20	
Calcium	313	0.0556	"		315				0.788	20	
Chromium	0.0133	0.00556	"		0.0121				9.61	20	
Cobalt	0.00811	0.00444	"		0.00744				8.57	20	
Copper	ND	0.0222	"		ND					20	
Iron	18.4	0.278	"		17.7				3.53	20	
Lead	0.0374	0.00556	"		0.0337				10.6	20	
Magnesium	596	0.0556	"		599				0.529	20	
Manganese	0.832	0.00556	"		0.829				0.441	20	
Nickel	0.0640	0.0111	"		0.0633				1.05	20	
Potassium	238	0.0556	"		239				0.280	20	
Silver	ND	0.00556	"		ND					20	
Sodium	ND	0.556	"		ND					20	
Vanadium	0.0581	0.0111	"		0.0571				1.74	20	
Zinc	0.354	0.0278	"		0.364				2.69	20	
Matrix Spike (BK41437-MS1)	*Source sample: 24K1330-03 (HAP-LMW-03-GW)								Prepared: 11/21/2024 Analyzed: 11/22/2024		
Aluminum	19.2	0.0556	mg/L	2.22	10.3	397	75-125	High Bias			
Barium	2.49	0.0278	"	2.22	0.297	98.8	75-125				
Calcium	311	0.0556	"	1.11	315	NR	75-125	Low Bias			
Chromium	0.237	0.00556	"	0.222	0.0121	101	75-125				
Cobalt	0.542	0.00444	"	0.556	0.00744	96.3	75-125				
Copper	0.363	0.0222	"	0.278	ND	131	75-125	High Bias			
Iron	28.8	0.278	"	1.11	17.7	997	75-125	High Bias			
Lead	0.548	0.00556	"	0.556	0.0337	92.6	75-125				
Magnesium	592	0.0556	"	1.11	599	NR	75-125	Low Bias			
Manganese	1.49	0.00556	"	0.556	0.829	119	75-125				
Nickel	0.593	0.0111	"	0.556	0.0633	95.3	75-125				
Potassium	240	0.0556	"	1.11	239	81.7	75-125				
Silver	0.0660	0.00556	"	0.0556	ND	119	75-125				
Sodium	ND	0.556	"	1.11	ND		75-125	Low Bias			
Vanadium	0.635	0.0111	"	0.556	0.0571	104	75-125				
Zinc	0.877	0.0278	"	0.556	0.364	92.4	75-125				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41437 - EPA 3015A											
Post Spike (BK41437-PS1)	*Source sample: 24K1330-03 (HAP-LMW-03-GW)							Prepared: 11/21/2024 Analyzed: 11/22/2024			
Aluminum	11.9		ug/mL	2.00	9.31	129	75-125	High Bias			
Barium	2.14		"	2.00	0.268	93.8	75-125				
Calcium	282		"	1.00	284	NR	75-125	Low Bias			
Chromium	0.196		"	0.200	0.0109	92.4	75-125				
Cobalt	0.467		"	0.500	0.00670	92.0	75-125				
Copper	0.298		"	0.250	0.00380	118	75-125				
Iron	17.1		"	1.00	16.0	110	75-125				
Lead	0.464		"	0.500	0.0303	86.8	75-125				
Magnesium	537		"	1.00	539	NR	75-125	Low Bias			
Manganese	1.22		"	0.500	0.746	94.5	75-125				
Nickel	0.506		"	0.500	0.0570	89.9	75-125				
Potassium	215		"	1.00	215	29.1	75-125	Low Bias			
Silver	0.0617		"	0.0500	0.00250	118	75-125				
Sodium	0.00		"	1.00	0.00		75-125	Low Bias			
Vanadium	0.544		"	0.500	0.0514	98.5	75-125				
Zinc	0.757		"	0.500	0.327	86.0	75-125				

Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41435 - EPA 3015A											
Blank (BK41435-BLK1)											Prepared: 11/21/2024 Analyzed: 11/22/2024
Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								
LCS (BK41435-BS1)											Prepared: 11/21/2024 Analyzed: 11/22/2024
Antimony	44.0		ug/L	50.0		87.9	80-120				
Arsenic	50.7		"	50.0		101	80-120				
Beryllium	49.8		"	50.0		99.6	80-120				
Cadmium	48.0		"	50.0		96.0	80-120				
Selenium	45.0		"	50.0		90.1	80-120				
Thallium	48.5		"	50.0		97.0	80-120				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41341 - EPA SW846-7470A											
Blank (BK41341-BLK1)									Prepared & Analyzed: 11/20/2024		
Mercury	ND	0.0002	mg/L								
Blank (BK41341-BLK2)									Prepared & Analyzed: 11/20/2024		
Mercury	ND	0.0002	mg/L								
LCS (BK41341-BS1)									Prepared & Analyzed: 11/20/2024		
Mercury	0.0021473	0.0002	mg/L	0.00200		107	80-120				
LCS (BK41341-BS2)									Prepared & Analyzed: 11/20/2024		
Mercury	0.0020152	0.0002	mg/L	0.00200		101	80-120				

Anions by Ion Chromatography - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41308 - EPA 300											
Blank (BK41308-BLK1)								Prepared & Analyzed: 11/18/2024			
Nitrate as N	ND	0.0500	mg/L								
LCS (BK41308-BS1)								Prepared & Analyzed: 11/19/2024			
Nitrate as N	10.7	0.0500	mg/L	10.0		107	90-110				
Batch BK41395 - EPA 300											
Blank (BK41395-BLK1)								Prepared & Analyzed: 11/19/2024			
Chloride	ND	0.500	mg/L								
Nitrate as N	ND	0.0500	"								
Nitrite as N	ND	0.0500	"								
LCS (BK41395-BS1)								Prepared & Analyzed: 11/19/2024			
Chloride	9.10	0.500	mg/L	10.0		91.0	90-110				
Nitrate as N	9.15	0.0500	"	10.0		91.5	90-110				
Nitrite as N	9.17	0.0500	"	10.0		91.7	90-110				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41234 - Analysis Preparation											
Blank (BK41234-BLK1)								Prepared & Analyzed: 11/19/2024			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BK41234-BS1)								Prepared & Analyzed: 11/19/2024			
Chromium, Hexavalent	0.476	0.0100	mg/L	0.500		95.2	85-115				
Batch BK41241 - Analysis Preparation											
Blank (BK41241-BLK1)								Prepared & Analyzed: 11/19/2024			
Chemical Oxygen Demand (COD)	ND	10	mg/L								
LCS (BK41241-BS1)								Prepared & Analyzed: 11/19/2024			
Chemical Oxygen Demand (COD)	110	10	mg/L	100		108	79-128				
Batch BK41308 - [CALC]											
Blank (BK41308-BLK1)								Prepared & Analyzed: 11/18/2024			
Total Nitrogen Calculated Analyte	ND	0.0500	mg/L								
LCS (BK41308-BS1)								Prepared & Analyzed: 11/19/2024			
Total Nitrogen Calculated Analyte	10.7	0.0500	mg/L								
Batch BK41325 - Analysis Preparation											
Blank (BK41325-BLK1)								Prepared: 11/20/2024 Analyzed: 11/25/2024			
Biochemical Oxygen Demand (BOD) (5-Day)	ND	1.0	mg/L								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41340 - Analysis Preparation											
Duplicate (BK41340-DUP1)	*Source sample: 24K1330-02 (HAP-LMW-02-GW)							Prepared & Analyzed: 11/20/2024			
pH	6.91	0.500	pH units		6.86				0.726	10	
Batch BK41367 - [CALC]											
Blank (BK41367-BLK1)								Prepared: 11/20/2024 Analyzed: 11/21/2024			
Total Nitrogen Calculated Analyte	ND	0.400	mg/L								
Total Kjeldahl Nitrogen	ND	0.400	"								
LCS (BK41367-BS1)								Prepared: 11/20/2024 Analyzed: 11/21/2024			
Total Nitrogen Calculated Analyte	6.50		mg/L								
Total Kjeldahl Nitrogen	6.50		"	5.00		130	70-130				
Batch BK41395 - [CALC]											
Blank (BK41395-BLK1)								Prepared & Analyzed: 11/19/2024			
Total Nitrogen Calculated Analyte	ND	0.0500	mg/L								
LCS (BK41395-BS1)								Prepared & Analyzed: 11/19/2024			
Total Nitrogen Calculated Analyte	18.3	0.0500	mg/L								
Batch BK41419 - Analysis Preparation											
Blank (BK41419-BLK1)								Prepared: 11/20/2024 Analyzed: 11/21/2024			
Oil & Grease	ND	0.500	mg/L								

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41419 - Analysis Preparation											
LCS (BK41419-BS1)									Prepared: 11/20/2024 Analyzed: 11/21/2024		
Oil & Grease	13.3	0.500	mg/L	16.0		83.1	78-114				
Duplicate (BK41419-DUP1)	*Source sample: 24K1330-01 (HAP-LMW-01-GW)								Prepared: 11/20/2024 Analyzed: 11/21/2024		
Oil & Grease	0.971	0.485	mg/L		0.784				21.3	200	
Matrix Spike (BK41419-MS1)	*Source sample: 24K1330-03 (HAP-LMW-03-GW)								Prepared: 11/20/2024 Analyzed: 11/21/2024		
Oil & Grease	13.8	0.510	mg/L	16.3	ND	84.4	78-114				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK41212 - % Solids Prep											
Blank (BK41212-BLK1)								Prepared & Analyzed: 11/18/2024			
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BK41212-DUP2)	*Source sample: 24K1330-01 (HAP-LMW-01-GW)							Prepared & Analyzed: 11/18/2024			
Total Dissolved Solids	4960	10.0	mg/L		4970				0.101	15	
Batch BK41236 - % Solids Prep											
Blank (BK41236-BLK1)								Prepared & Analyzed: 11/19/2024			
Total Suspended Solids	ND	1.00	mg/L								
Duplicate (BK41236-DUP1)	*Source sample: 24K1330-01 (HAP-LMW-01-GW)							Prepared & Analyzed: 11/19/2024			
Total Suspended Solids	1210	20.0	mg/L		1150				4.57	15	
Batch BK41309 - Analysis Preparation											
Reference (BK41309-SRM1)								Prepared & Analyzed: 11/19/2024			
Flashpoint	117		°F	115		102	96.5-103.5				
Batch BK41312 - % Solids Prep											
Blank (BK41312-BLK1)								Prepared & Analyzed: 11/19/2024			
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BK41312-DUP1)	*Source sample: 24K1330-02 (HAP-LMW-02-GW)							Prepared & Analyzed: 11/19/2024			
Total Dissolved Solids	14300	10.0	mg/L		14100				1.01	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
24K1330-01	HAP-LMW-01-GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24K1330-02	HAP-LMW-02-GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
24K1330-03	HAP-LMW-03-GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

Temp_S1	The samples were delivered directly from the field by the client. Upon receipt, the temp of the samples exceeded 6 deg. C. Ice was present indicating the samples had not reached desired temp. due to the short time frame from sampling to receipt by York.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-CCV1	The recovery for this element in the Continuing Calibration Verification (CCV) was outside the 90-110% recovery criteria.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICVE20	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 20% of expected value).
ICVE	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
F-01	> 200
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCVE	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis

Low Bias — Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. — Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

York Analytical Laboratories, Inc.
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www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
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Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 24K1330

YOUR Information	Report To:	Invoice To:
Company: LiRo-Hill Engineers	Company: same	Company: same
Address: 690 Delaware Ave Buffalo, NY 14209	Address:	Address:
Phone.: 716-882-5476	Phone.:	Phone.:
Contact: Steve Frank	Contact:	Contact:
E-mail: FrankS@liro.com	E-mail:	E-mail:

YOUR Project Number: PW 348-76

YOUR Project Name: Harper St. Asphalt Plant

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	✓

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

Anju V. Singh

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

Anju V.

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
HAP-LMW-01-GW	G	11/18/24 10:30	TCL VOCs	3 x 40 mL vials
			TCL SVOCs-BN	2 x amber jars
			TCL Pesticides	1 x amber jar
			Herbicides	2 x amber jars
			TCL PCBs	1 x amber jar
			TAL Metals	1 x nitric plastic
			Oil and grease	2x sulfuric ambers
			Chemical Oxygen Demand (COD) and TKN	1 x sulfuric plastic
			~~Chromium Hexavalent, pH, Flashpoint, Total Nitrogen, Total Dissolved Solids, Total Suspended~~	

Comments:

Preservation: (check all that apply)
HCl ✓ MeOH ___ HNO_3 ✓ H_2SO_4 ✓ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Anju V. Singh / LiRo	11/18/24		11/18/24 14:35 6.2°C		11/18/24 18:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Afraz Habib	11/18/24 18:30	Afraz Habib	11/18/24 21:00		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
					11/18/24 21:00 — 1.8°C Degrees C

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clientservices@yorklab.com
www.yorklab.com

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YORK Project No. 24K1330

YOUR Information	Report To:	Invoice To:
Company: LiRo-Hill Engineers	Company: Same	Company: Same
Address: 690 Delaware Ave Buffalo, NY 14209	Address:	Address:
Phone.: 716-882-5476	Phone.:	Phone.:
Contact: Steve Frank	Contact:	Contact:
E-mail: Franks@liro.com	E-mail:	E-mail:

YOUR Project Number: PW 348-76

YOUR Project Name: Harper St. Asphalt Plant

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- **Standard (5-7 Day)** ✓

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

Samples Collected by: (print your name above and sign below)
Anju V. Singh
Anju V.

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

Samples From
New York ✓
New Jersey
Connecticut
Pennsylvania
Other

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
HAP-LMW-01-GW	G	11/18/24 10:30	Chromium Hexavalent, pH, Flashpoint, Total Nitrogen (TN), Total Dissolved Solids, Total Suspended Solids, Biological Oxygen Demand, Chloride,	2 x 100 mL plastic and 1 x 50 mL plastic

Comments:

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

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Anju V. Singh / LiRo	11/18/24		11/18/24 14:30 6.2C		11/18/24 18:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Abrar Habib	11/18/24 18:30	Abrar Habib	11/18/24 2100		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
					11/18/24 21:00 1.8°C Degrees C

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YORK Project No. 24K1330

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: LiRo-Hill Engineers	Company: same	Company: same	PW 348-76	RUSH - Next Day
Address: 690 Delaware Ave Buffalo, NY 14209	Address:	Address:	**YOUR Project Name**: Harper St. Asphalt Plant	RUSH - Two Day
Phone.: 716-882-5476	Phone.:	Phone.:		RUSH - Three Day
Contact: Steve Frank	Contact:	Contact:		RUSH - Four Day
E-mail: FrankS@liro.com	E-mail:	E-mail:	**YOUR PO#:**	**Standard (5-7 Day)** ✓

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

Anju V. Singh

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

Anju V.

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

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

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
HAP-LMW-02-GW	G	11/18/24 11:15	TCL VOCs	3 x 40 mL vials
			TCL SVOCs-BN	2 x amber jars
			TCL Pesticides	1 x amber jar
			Herbicides	2 x amber jars
			TCL PCBs	1 x amber jar
			TAL Metals	1 x nitric plastic
			Oil and grease	2 x sulfuric ambers
			Chemical Oxygen Demand (COD) and TKN	1 x sulfuric plastic

Comments:

Preservation: (check all that apply)
HCl ✓ MeOH ___ HNO_3 ✓ H_2SO_4 ✓ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Anju V. Singh / LiRo	11/18/24		11/18/24 14:38 6.2		11/18/24 18:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Afroz Habib	11/18/24 18:30	Afroz Habib	11/18/24 2100		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
					11/18/24 21:00

Temp. Received at Lab: 1.8 °C Degrees C

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YORK Project No. 24K1330

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Company: LiRo-Hill Engineers	Company: same	Company: same
Address: 690 Delaware Ave Buffalo, NY 14209	Address:	Address:
Phone.: 716-882-5476	Phone.:	Phone.:
Contact: Steve Frank	Contact:	Contact:
E-mail: Franks@liro.com	E-mail:	E-mail:

YOUR Project Number: PW 348-76

YOUR Project Name: Harper St. Asphalt Plant

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) ✓

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

Anju V. Singh

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

Anju V. Singh

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York ✓
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
HAP-LMW-02-GW	G	11/18/24 11:15	Chromium Hexavalent, pH, Flashpoint, Total Nitrogen (TN), Total Dissolved Solids, Total Suspended Solids, Biological Oxygen Demand, Chloride	2 x 100 mL plastic and 1 x 50 mL plastic

Comments:

Preservation: (check all that apply)
HCl ✓ MeOH ___ HNO_3 ✓ H_2SO_4 ✓ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Anju V. Singh / LiRo	11/18/24	[signature]	11/18/24 14:35 6.2
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Abraz Habib	11/18/24 18:30	Abraz Habib	11/18/24 2100
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
[signature]	11/18/24 18:30	[signature]	11/18/24 21:00
Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	11/18/24 21:00

Temp. Received at Lab: 1.8 °C Degrees C

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clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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YORK Project No. 24K1330

YOUR Information	Report To:	Invoice To:
Company: LiRo-Hill Engineers	Company: Same	Company: Same
Address: 690 Delaware Ave Buffalo, NY 14209	Address:	Address:
Phone.: 716-882-5476	Phone.:	Phone.:
Contact: Steve Frank	Contact:	Contact:
E-mail: Franks@liro.com	E-mail:	E-mail:

YOUR Project Number: PW 348-76

YOUR Project Name: Harper St. Asphalt Plant

YOUR PO#:

Turn-Around Time
- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- **Standard (5-7 Day)** ✓

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

Anju V. Singh

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

Anju V.

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

Samples From
- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
HAP-LMW-03-GW	G	11/18/24 11:45	TCL VOCs	3 x 40 mL vials
			TCL SVOCs - BN	2x amber jars
			TCL Pesticides	1x amber jar
			Herbicides	2x amber jars
			TCL PCBs	1x amber jar
			TAL Metals	1x nitric plastic
			Oil and grease	2x sulfuric ambers
			Chemical Oxygen Demand (COD) and TKN	1x sulfuric plastic

Comments:

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

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Anju V. Singh / LiRo	11/18/24		11/18/24 14:36 6.2		11/18/24 18:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Afraz Habib	11/18/24 18:30	Afraz Habib	11/18/24 21:00		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
					11/18/24 21:00

Temp. Received at Lab: 1.8 °C Degrees C

Field Chain-of-Custody Record

YORK ANALYTICAL LABORATORIES INC

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK | 800-306-9675

YORK Project No. 24K1330

YOUR Information	Report To:	Invoice To:
Company: LiRo-Hill Engineers	Company: same	Company: same
Address: 690 Delaware Ave Buffalo, NY 14209	Address:	Address:
Phone.: 716-882-5476	Phone.:	Phone.:
Contact: Steve Frank	Contact:	Contact:
E-mail: Franks@liro.com	E-mail:	E-mail:

YOUR Project Number: PW 348-76

YOUR Project Name: Harper St. Asphalt Plant

YOUR PO#:

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) ✓

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

Anju V. Singh

Samples Collected by: (print AND sign your name)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

- New York ✓
- New Jersey
- Connecticut
- Pennsylvania
- Other:

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
HAP-LMW-03-GW	G	11/18/24 11:45	Chromium Hexavalent, pH, Flashpoint, Total Nitrogen (TN), Total Dissolved Solids, Total Suspended Solids, Biological Oxygen Demand, Chloride	2x100mL Plastic and 1x50mL plastic

Comments:

Preservation: (check all that apply)

HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ✓ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other: ___

Samples iced/chilled at time of lab pickup? circle Yes or No

Special Instruction

- Field Filtered
- Lab to Filter

1. Samples Relinquished by / Company	Date/Time	1. Samples Received by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
Anju V. Singh / LiRo	11/18/24	[signature]	11/18/24 14:35 6.2	[signature]	11/18/24 18:30
2. Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Afraz Habib	11/18/24 18:30	Afraz Habib	11/18/24 21:00		
4. Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temperature
				[signature]	11/18/24 21:00 1.8°C (Degrees C)

3. Technical Information of Proposed Settling Tank, Pumps, and Treatment

Specifications for:

8,400 Gallon Mini Frac Tanks

Mechanical features:

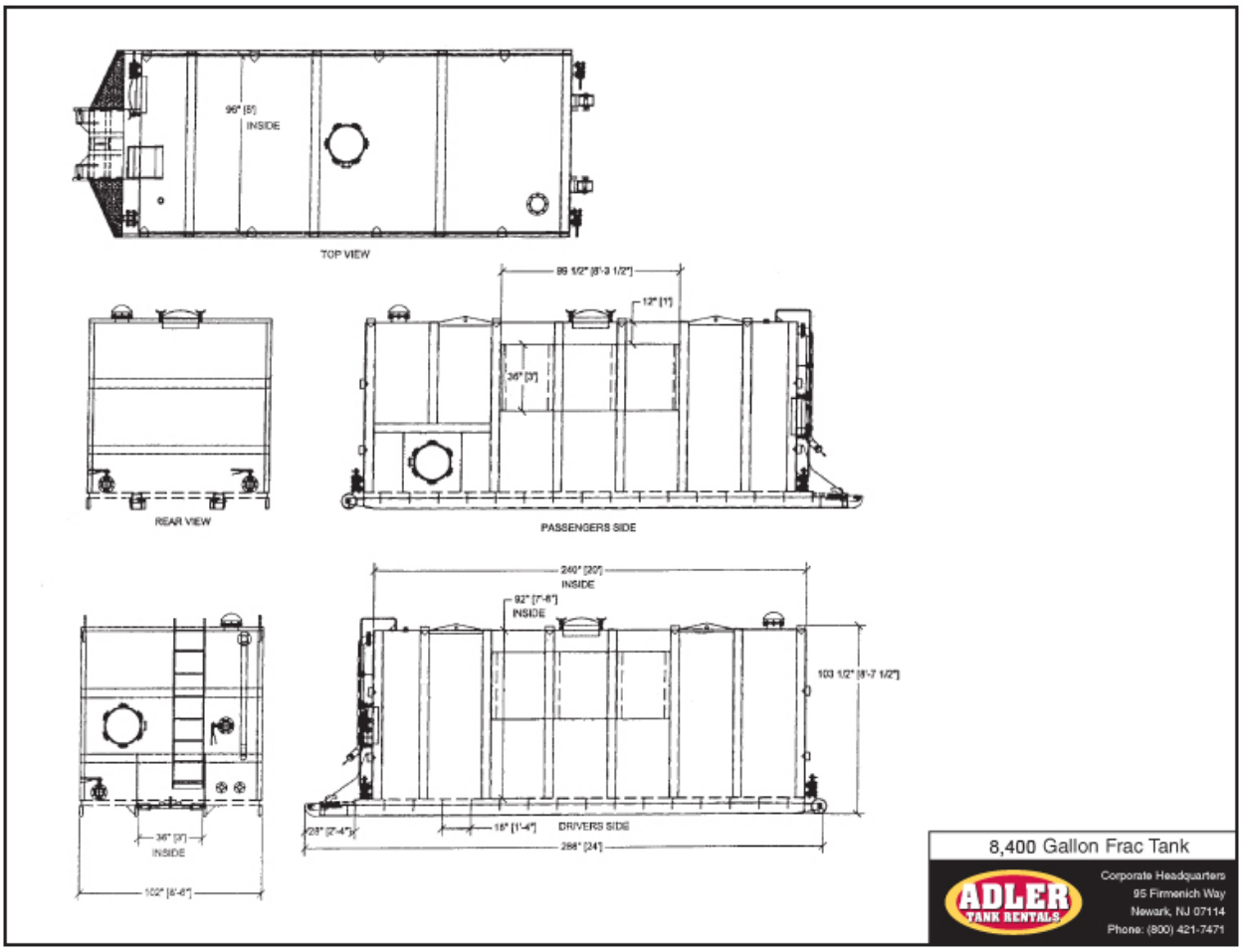
- 3" top fill tube
- 4 Standard 22" side hinged accessways
- Multiple 4" valved fill/drain ports including floor level valves for low point drain out
- 4" Vent
- Sloped bottom for 100% drain out and easier cleaning after use
- Smooth wall construction - no internal cross bracing
- Front mounted ladderwell for top access
- Fixed rear axle
- Nose rail cut - out for easy access when installing hose and fittings on the front /bottom of tank
- Smaller capacity and footprint for space saving on tight sites
- Roll-off truck compatible

Safety features:

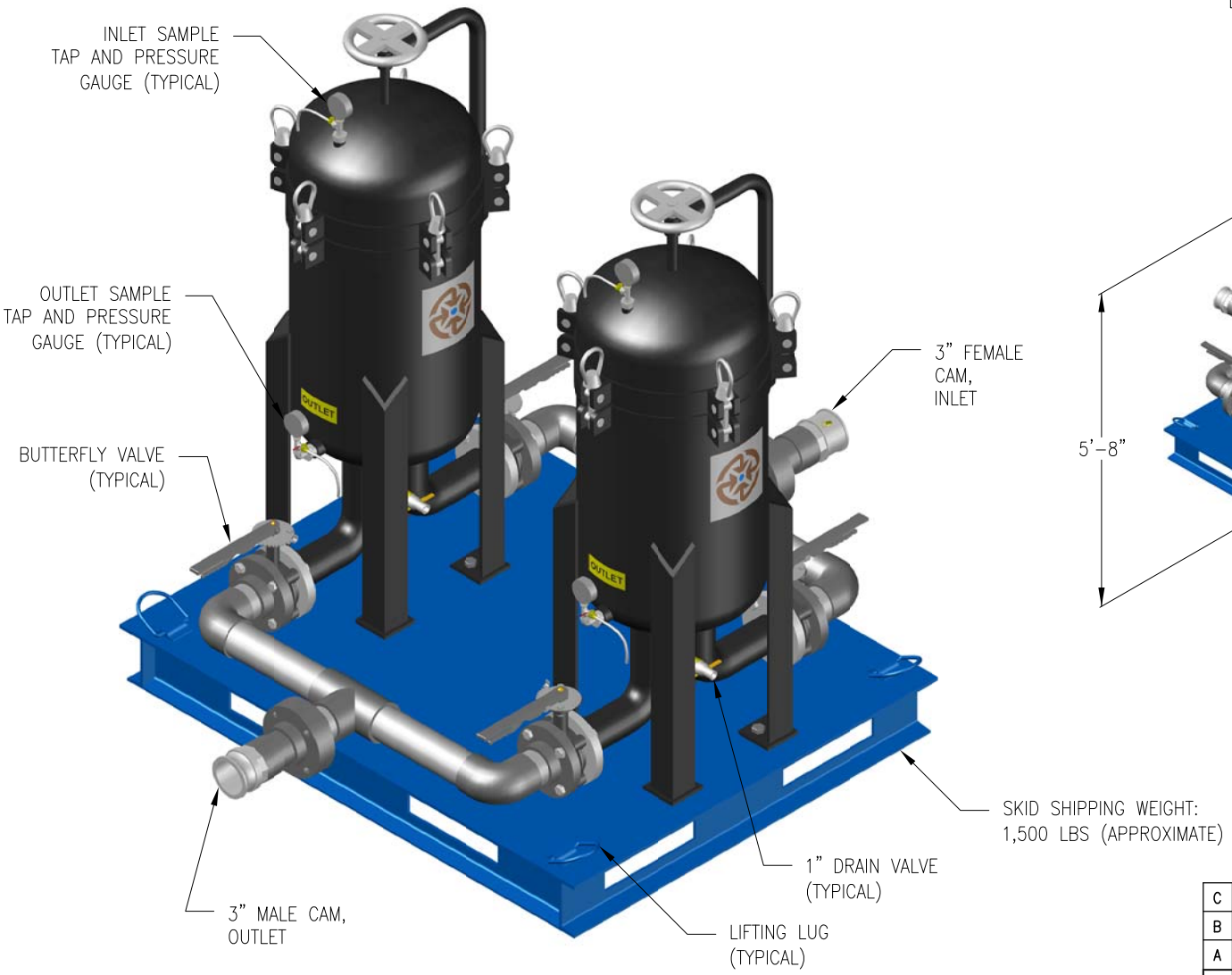
- All tanks are equipped with non-slip step material on ladderwells and catwalks
- All tanks are equipped with folding safety handrails
- All rails and catwalks are painted "safety yellow" for high visibility
- Safe operation reminder decals are applied on risk areas such as steps, valves and hatches
- Tanks are equipped with fill level charts and may be fitted with audible alarms, strobes and level gauges(digital and mechanical)

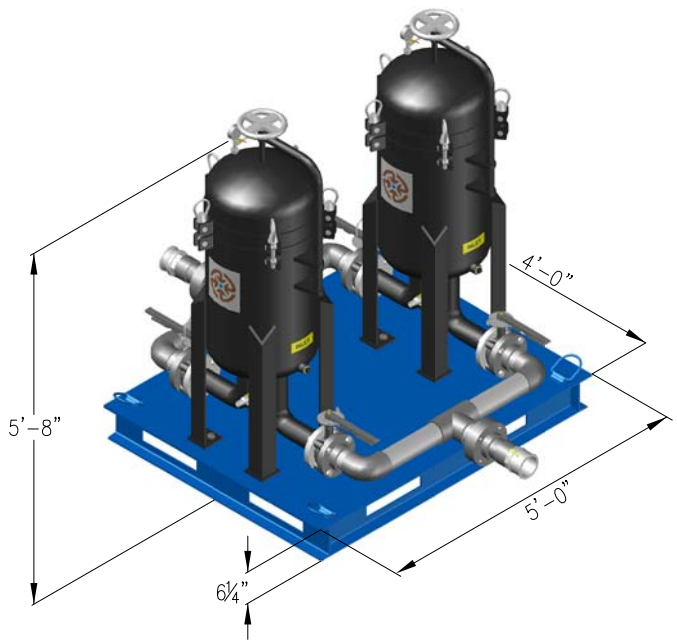
Drawing for:

8,400 Gallon Mini Frac Tanks

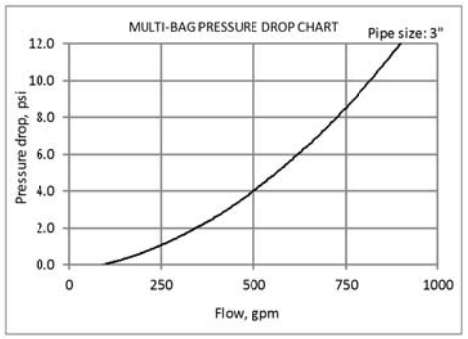


NOTE: THIS DRAWING DEPICTS A "TYPICAL" SKID. ACTUAL DETAILS AND DIMENSIONS MAY VARY.





PRESSURE DROP

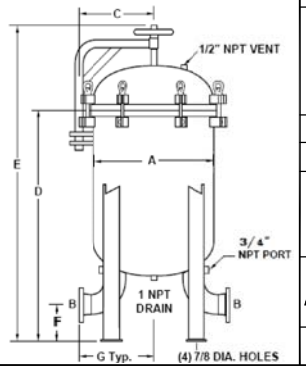


MULTI-BAG FILTER SPECIFICATIONS

– CONSTRUCTION:	CARBON STEEL
– HOUSING STYLE:	STANDARD
– NUMBER OF BASKETS:	3
– STRAINING FILTERING AREA:	13.2 SQ. FT.
– INLET/OUTLET SIZE:	3"
– NOMINAL FLOW RATE:	300 GPM
– STANDARD PRESSURE:	150 PSI
– WEIGHT (PER DRY UNIT):	475 Lbs.

BASIC DIMENSIONS

A: 18" B: 3" C: 11.9" D: 42.9" E: 60.4"
F: 5¼" G: 12.9" LEG BOLT CIRCLE: ø16.0"



NO.	REVISIONS	BY	DATE
C	UPDATED TO NEW CAD STANDARDS	RJS	11/03/15
B	ADDED CAMLOCK CONNECTIONS	RJS	05/13/14
A	TYPICAL	RJS	07/19/13

TITLE:
EQUIPMENT SPECIFICATION STANDARD
DUPLEX 3-BAG FILTER SKID 3" IN/OUT

SCALE: NTS	APPROVED BY: RJS	DRAWN BY: RJS
DATE: 07/19/13		

GWTT Ground/Water Treatment & Technology, LLC
627 MOUNT HOPE ROAD • WHARTON, NJ 07885
PHONE: 973-983-0901 • FAX: 973-983-0903
www.gwttllc.com

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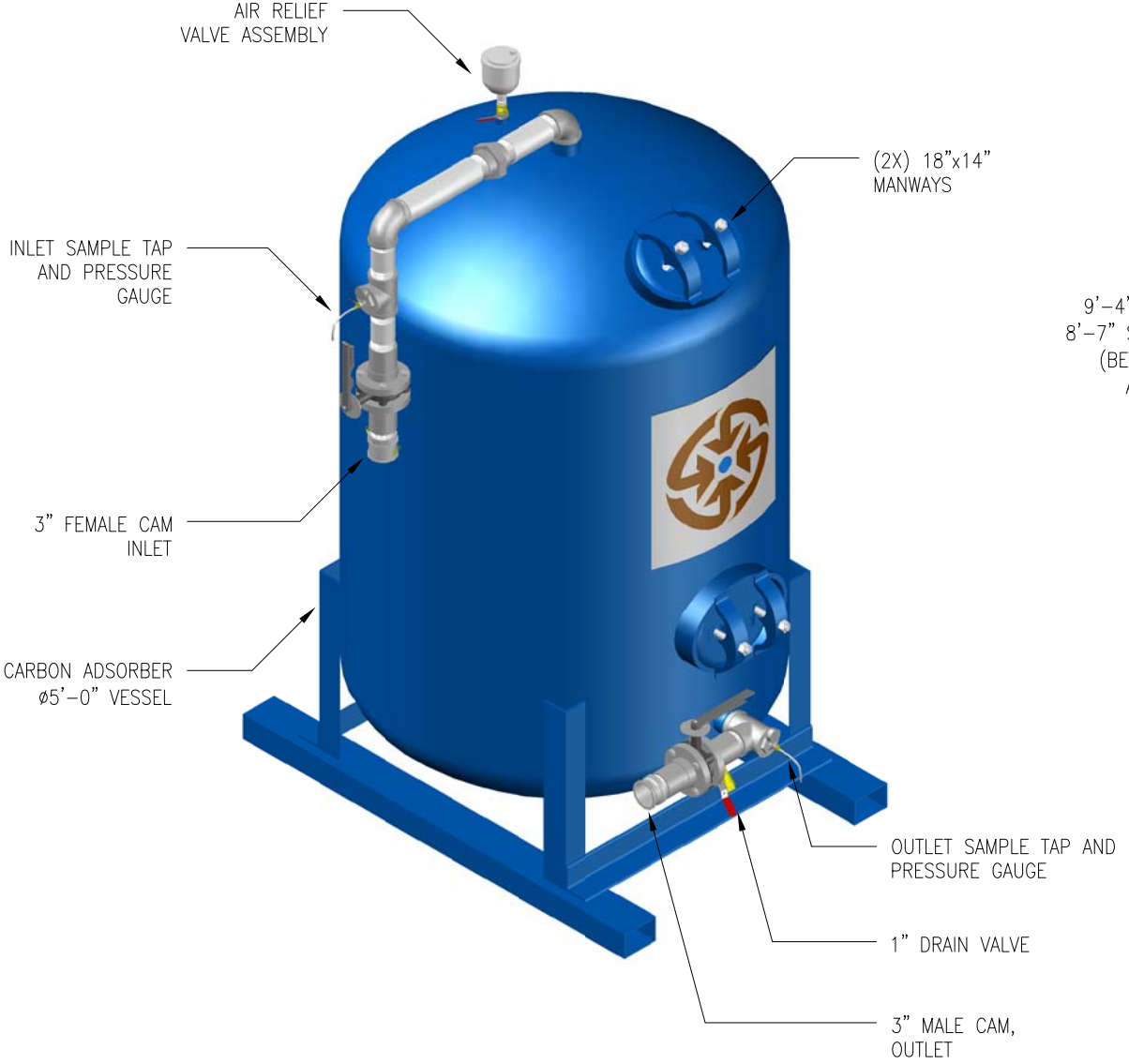
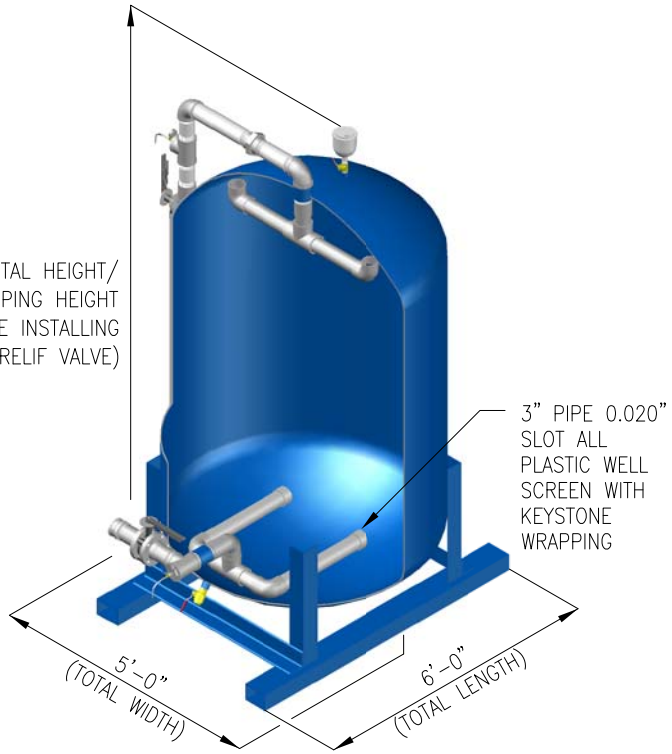
DWG SIZE: A	SHEET: 1 OF 1	DRAWING NO.: ST-000258-SPC01	C

ID – C:\Cad Files\Rentals – STANDARD DRAWINGS\EQUIPMENT SPECIFICATION\BAG FILTERS\Duplex\ST-000258-SPC01(C).dwg – Wed, 4 Nov 2015 – 13:07

NOTE: THIS DRAWING DEPICTS A "TYPICAL" VESSEL. ACTUAL DETAILS AND DIMENSIONS MAY VARY.





3,000 POUNDS CARBON ADSORBER SPECIFICATIONS

- CARBON FILL: 3,000 Lbs.
- DESIGN STANDARD PRESSURE: 75 PSI
- MAX FLOW RATE: 150 GPM
- EBCT: 5.25 min. @ 150 GPM
- HOUSING CONSTRUCTION: A–36 CARBON STEEL
- INLET CONNECTION: 3" FEMALE CAMLOCK
- OUTLET CONNECTION: 3" MALE CAMLOCK
- DRAIN: 1" NPT
- CARBON FILL VOLUME: 125 Cu. ft.
- CARBON ADSORBER WEIGHT:
  - EMPTY 3,000 Lbs.
  - SHIPPING (W/CARBON): 6,000 Lbs.
  - OPERATING: 14,000 Lbs.

NO.	REVISIONS	BY	DATE
B	UPDATED CAD STANDARDS	RJS	09/14/15
A	PRELIMINARY DESIGN FOR REVIEW	RJS	12/19/11

TITLE:

EQUIPMENT SPECIFICATION STANDARD
3,000 LBS CARBON ADSORBER (ø5'–0")

SCALE: NTS	APPROVED BY: RJS	DRAWN BY: RJS
DATE: 12/19/11		

GWTT Ground/Water Treatment & Technology, LLC
627 MOUNT HOPE ROAD • WHARTON, NJ 07885
PHONE: 973-983-0901 • FAX: 973-983-0903
www.gwttllc.com

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DWG SIZE: A	SHEET: 1 OF 1	DRAWING NO.: ST–00347–SPC01	B

ID – C:\Cad Files\Rentals – STANDARD DRAWINGS\EQUIPMENT SPECIFICATION\CARBON ADSORBERS\3000 LB\ST–000347–SPC01(B).dwg – Tue, 13 Oct 2015 – 14:53

HS Series

Single-phase agitator pumps suspend solids when pumping sand and debris. Available in manual or automatic operation. Horsepower ranges from 1/2 hp to 1 hp and in 2-inch or 3-inch discharge sizes.

HS Series Features

HSD2.55S:

Complete special 2 years warranty.

Anti-wicking block prevents water incursion.

Built-in shaft mounted agitator suspends solids.

High Chromium Iron impeller.

Ductile Iron Casing.

3/4 HP motor

HS Series Features

HSZ2.4S/3.75S:

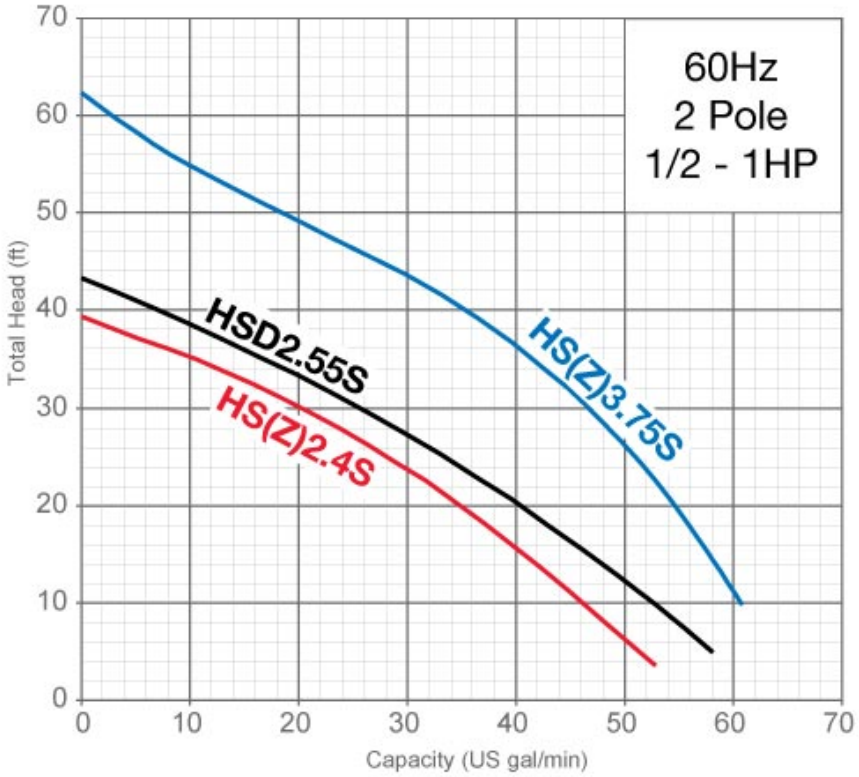
Urethane Semi Vortex Impeller for maximum durability and pump performance.

Attached float switch for automatic operation.

OPTIONAL ACCESSORIES
Vertical Discharge Coupling.

2-inch NPT coupling available for HSZ3.75S-61.

Performance Range

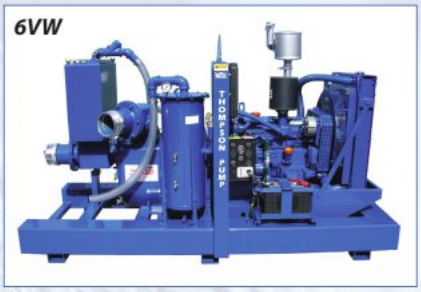


Model	Discharge Size (in.)	Motor Output (HP)	Voltage (V)	Cable Length (ft.)	Diameter (in.)	Height (in.)	Weight (lbs.)
HS2.4S-62	2 in.	1/2 hp	110V or 220V	20 ft.	10 1/16 (Max. in.)	12 15/16 (Max. in.)	25 lbs.
HS3.75S-61	3 in.	1 hp	110V or 220V	32 ft	12 7/16 (Max. in.)	15 1/4 (Max. in.)	47 lbs.
HSD2.55S-61	2 in.	3/4 hp	115V	32 ft.	9 3/4 in.	15 3/8 in.	33 lbs.
HSZ2.4S-62	2 in.	1/2 hp	110V or 220V	20 ft.	13 1/2 in.	17 1/2 in.	42 lbs.
HSZ3.75S-61	3 in.	1 hp	115V or 230V	32 ft.	13 1/2 in.	17 1/2 in.	42 lbs.

HS Series Features

Vacuum-Assisted Wellpoint (VW, TSVW, JVW, JSVW)

Thompson Pump engineers have designed one of the industry's most versatile pumps by combining the Thompson vacuum-assisted priming system with wellpoint pump technology to create the VW Vacuum Wellpoint pumps. Their high air-handling capability makes the Thompson Vacuum Wellpoint Pump perfect for wellpoint and sock dewatering applications.



Applications

- Groundwater and deep excavation dewatering
- Sock dewatering
- Wellpoint systems
- Flood drainage
- Bypassing of flowing water and sewage
- Pumping polluted, hot or corrosive water
- Surface irrigation (flood type)
- Mining run-off ponds
- Water supply and transfer
- Pumping fluids, solids and sand

Wellpoint System Accessories Available

Model Specifications

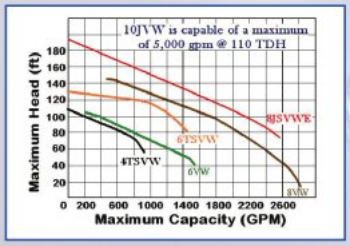
Unit Model	Size (In.)	Maximum* Capacity (GPM)	Maximum* Head (Ft.)
4TSVW	4	930	112
6VW	6	1,500	102
6TSVW	6	1,700	155
8VW	8	2,600	142
8JSVWE	8	2,500	195
10JVW*	10	5,000	110

*Consult engineering data for exact maximum performance RPM

Features

All the features of Thompson's V Series Heavy Duty Trash Pumps and more…

- Automatic dry priming and re-priming to 30 feet
- Quick dry prime from 15 feet in 15 seconds
- Heavy duty cast iron construction for long life
- Large solids handling capacity
- 2 or 3-vane ductile iron impellers available
- Cast iron rubber-lined, abrasion resistant wear plate
- Dry running abrasion-resistant tungsten carbide mechanical seal with Viton elastomers
- Back pullout design
- Oversized air separation tank
- Oil reclamation system to minimize waste
- Vacuum pump adds an additional 200 cfm of air handling
- Safety shutdown control panel standard
- Various diesel engine options
- Simple low-cost maintenance



THOMPSON PUMP
EXPERIENCE INNOVATION
4620 City Center Drive
Port Orange, FL 32129 USA
800-767-7310
386-767-7310
www.thompsonpump.com

1.

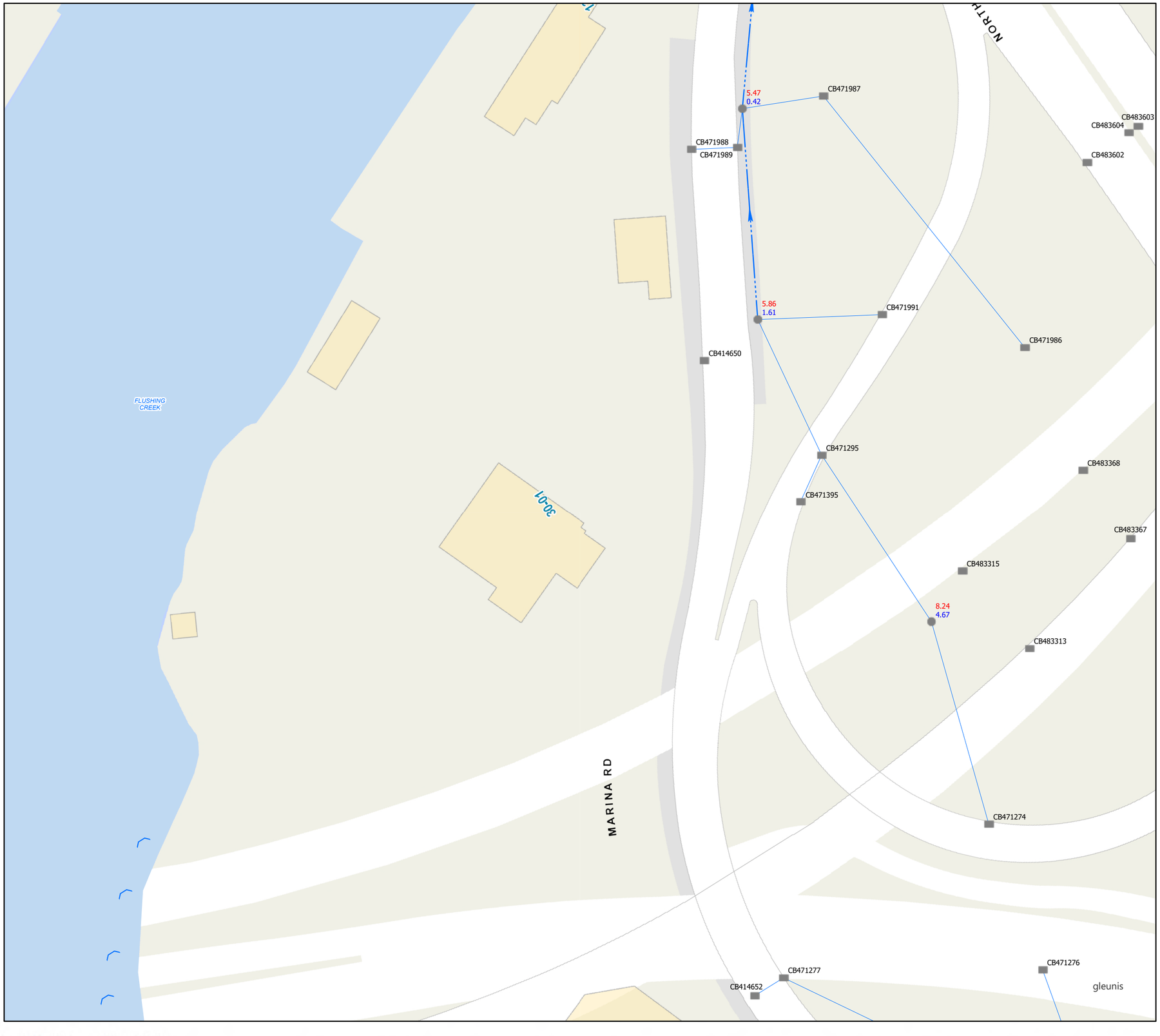
P. 1

4. Digital Map

Project Location
30-01 HARPER STREET
M3-1
R3-2
M1-1
33 Avenue (50 ft)
Northern Boulevard (>100 ft)
Whitestone Expressway (Unknown ft)
Prince Street

DIGITAL MAP

5. DEP Sewer Map



LEGEND:

NYC DEP

- Sanitary Sewer
- Storm Sewer
- Combined Sewer
- Combined Sewer Overflow
- Relief Storm Sewer
- Relief Combined Sewer
- Highway Drain
- Intercepting Sewer
- Intercepting Collector
- Branch Intercepting
- Intercepting Force Main
- Force Main
- Emergency Construction Sewer
- Catch Basin Connector
- Unknown Sewer
- Manhole
- Catch Basin
- Chamber
- Weir Chamber
- Regulator
- Tide Gate
- Outfall
- Headwall
- Culvert
- Bulkhead
- Pumping Station

NYS DOT

- Sewer
- Trough
- Catch Basin\Scupper Connector
- Temporary Connection and Plumber's Drain
- Flow Direction
- Manhole
- Catch Basin
- Chamber
- Outfall
- Headwall
- Culvert
- Bulkhead
- Pumping Station

Sewer Shape	Abbreviation
Double Circular	DCIR
Egg	EGG
Elliptical	ELP
Vertical Elliptical	VELP
Horizontal Elliptical Box	HELP BOX
Double Barrel	DB
Triple Barrel	TB
Quadruple Barrel	QB
Circular Barrel	CIPB
Oval	OVL
Flat Top	
Double Flat Top	
Tunnel	

Sewer Ownership	Abbreviation
Private	Pvt
Temporary Connection	TC
Plumber's Drain	PID
Triborough Bridge & Tunnel Authority	TBTA
Work Progress Administration	WPA

PIPE ANNOTATION
Pipe shown as shape, year of installation, material and pipe diameter.
Example; CIRC 1945 VCP 24"
Pipes with a second or height dimension will be displayed with the height dimension, in inches, directly after the diameter
Example BOX 1955 CIP 48" x 32"

RESPECTIVE BOROUGH HIGHWAY AND SEWER DATUMS
(ABOVE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY)

BOROUGH	SEWER DATUM	HIGHWAY DATUM
BRONX	2.608 FEET	2.608 FEET
BROOKLYN	1.720 FEET	2.560 FEET
MANHATTAN	2.750 FEET	2.750 FEET
QUEENS	2.725 FEET	2.725 FEET
STATEN ISLAND	3.192 FEET	3.192 FEET

Sewer Mapping

NYC Department of Environmental Protection
Bureau of Water and Sewer Operations
59-17 Junction Boulevard, 3rd Floor
Corona, NY 11373-5108

Datum:
NAD_1983
StatePlane_New_York_Long_Island

MANHOLE RIM AND INVERT ELEVATIONS, WHERE AVAILABLE, ARE DISPLAYED BY COLOR

25.67 = Manhole Rim elevation

25.67 = Manhole Invert elevation

This map is intended to be a schematic representation of the sewer system ONLY, and is not warranted to be accurate for construction and/or surveying purposes and is based on the best information available. All warranties, UCC and otherwise, express or implied, including, warranties as to accuracy of data shown hereon and merchantability and fitness for a particular purpose are expressly disclaimed. It is the responsibility of the requestor, owner, applicant, project sponsor, to field verify the location and existence of the asset as well as all of its appurtenances. All incidental, consequential, or special damages arising out of or in connection with the use or performance of the data shown on the map are expressly disclaimed. Map is not for public dissemination and is agreed by recipient not to be copied. Map and data contained herein, are expressly owned by the NYC Department of Environmental Protection. Recipient also agrees to destroy both paper and electronic copies of this map upon completion of project."

Map Print Date: 2/25/2025

Feet
0 30 60 120 180 240

Sewer Material	Abbreviation																
Brick	BRK	*Concrete Pipe*	CRTP	*Reinforced Concrete Culvert Pipe*	RCCP	*Wood*	WD	*Steel*	STL	*Liner Plate*	LRPL	*Block*	BLK
Reinforced Concrete Brick	RC/BR	*Reinforced Concrete*	RC	*Corrugated Metal Pipe*	CMP	*Wood Pipe*	WDP	*Steel Pipe*	STLP	*Reinforced Concrete Liner Plate*	RC LRPL	*Tile*	TILE
Cement Pipe	CMTP	*Reinforced Concrete Pipe*	RCP	*High Density Polyethylene Pipe*	HDPEP	*Clay Pipe*	CP	*Cast Iron*	CI	*Steel Liner Plate*	STL LRPL	*Stone*	STON
Asbestos Cement Pipe	ASBCMTP	*Precast Reinforced Concrete*	PRC	*Corrugated High Density Polyethylene Pipe*	CHDPEP	*Vitrified Clay Pipe*	VCP	*Cast Iron Pipe*	CIP	*Cast Iron Liner Plate*	CI LRPL	*Fiberglass*	FBGL
Concrete	CRT	*Precast Reinforced Concrete Pipe*	PRCP	*Polyvinyl Chloride Pipe*	PVCP	*Extra Strength Vitrified Clay Pipe*	ESVP	*Ductile Iron Pipe*	DIP	*Ductile Liner Plate*	DI LRPL	*Unknown*	UNK

6. Construction Drawing Set

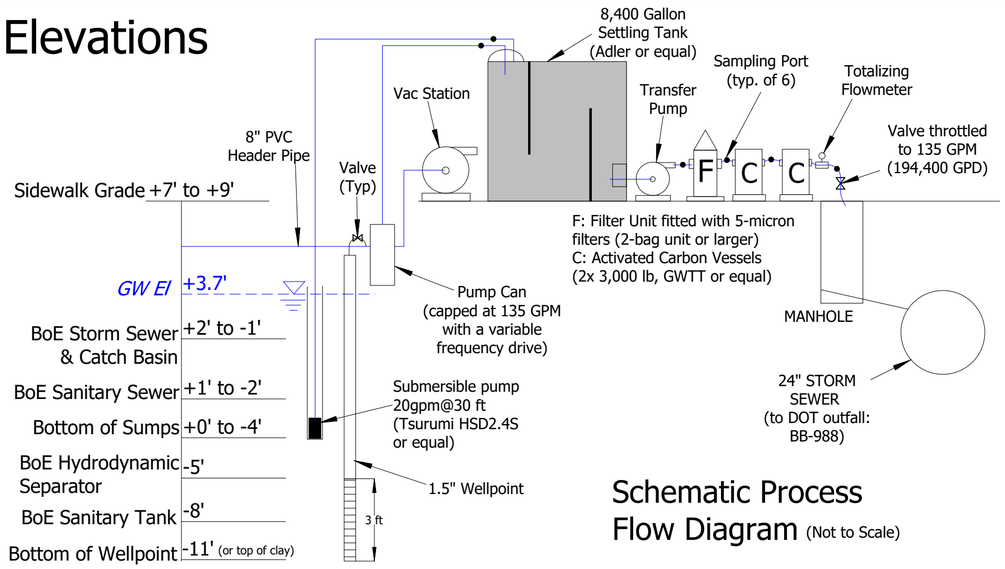
(Submitted under separate cover)

7. Geotechnical Report

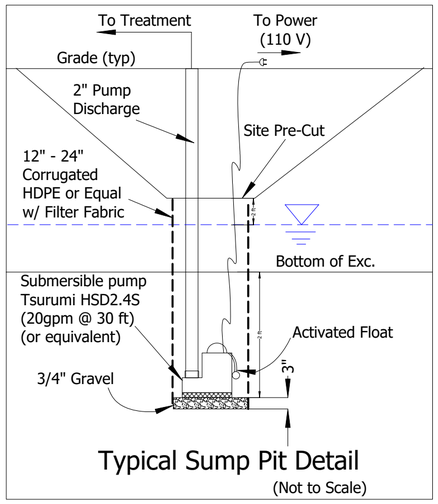
(Submitted under separate cover)

8. Dewatering Plan

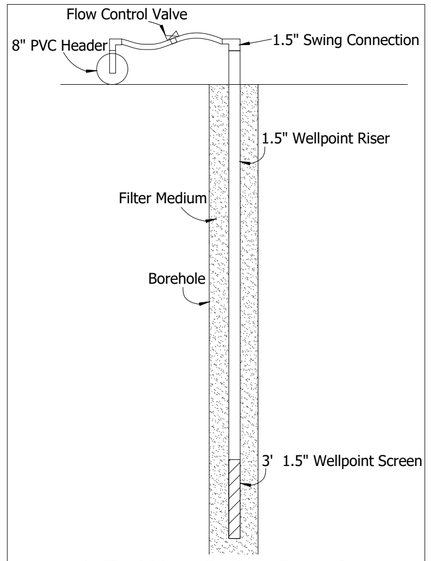
Elevations



Schematic Process Flow Diagram (Not to Scale)

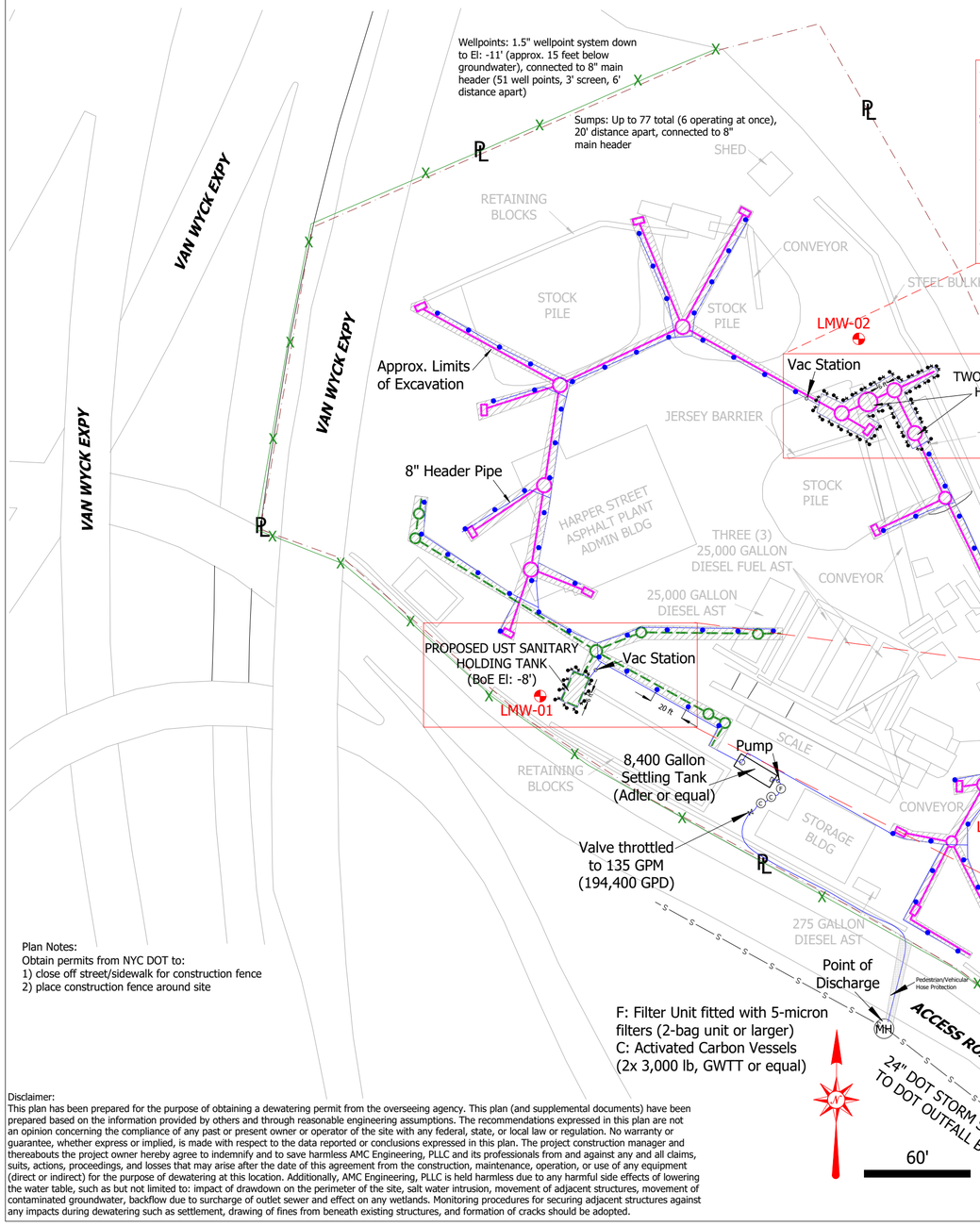


Typical Sump Pit Detail (Not to Scale)



1.5" Well Point Detail

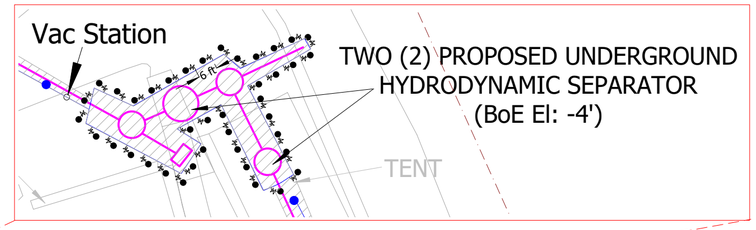
KEY MAP



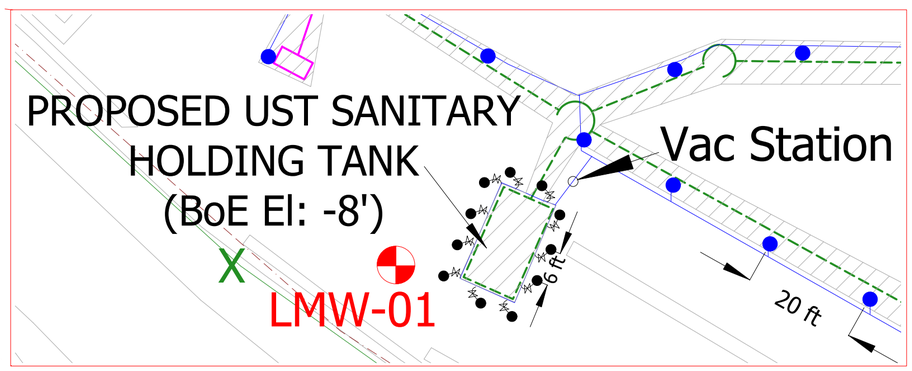
SITE PLAN

LEGEND

- MONITORING WELL LOCATION
- APPROX. LIMIT OF EXCAVATION
- PROPOSED SANITARY SEWER (BoE El: +1' to -2')
- PROPOSED STORM SEWER (BoE El: +2' to -1')
- 8" HEADER PIPE
- SUMP PUMP
- WELLPOINT
- FLOW CONTROL VALVE



VIEW OF WELLPOINTS



VIEW OF WELLPOINTS

NOTES TO GC:
1. ENSURE THAT ALL UTILITIES ARE MARKED OUT AND SITE IS SAFE FOR EXCAVATION. FOLLOW ALL CITY, STATE AND FEDERAL REGULATIONS WHEN WORKING AT THIS SITE.
2. PROVIDE PROOF OF UTILITY MARK OUT TO ENGINEER OF RECORD.
3. OBTAIN APPROVAL FROM OWNER OR STRUCTURAL ENGINEER THAT LOCATION OF TREATMENT SYSTEM IS ADEQUATELY SUPPORTED. DO NOT PLACE TREATMENT EQUIPMENT UNTIL INDICATED SO BY STRUCTURAL ENGINEER.
4. DO NOT COMMENCE DISCHARGE UNTIL A DEWATERING PERMIT IS SECURED.
5. DEWATERING AND DISCHARGE OF GROUNDWATER WILL REQUIRE TREATMENT.
6. ALL CONDITIONS MUST BE VIF. ANY DISCREPANCIES MUST BE BROUGHT UP TO THE ATTENTION OF THE DEWATERING CONTRACTOR AND ENGINEER.
7. SINCE WITHDRAWAL EXCEEDS 45 GPM, A LONG ISLAND WELL PERMIT MUST BE OBTAINED FROM NYSDEC.
8. If excavation / construction activities occur within 200 ft of a rail line (MTA), plans must be filed with respective MTA agency to obtain letter of no exception.
9. Site information and elevations obtained from plans by permission from owner.

Important Note: Dewatering system may affect subsurface conditions on adjacent properties, and must be continuously monitored. Precautions will be needed to limit the risk of cracks, heave or settlement of adjacent structures.

DEWATERING NOTES:
1. Obtain approval from structural engineer to position treatment where indicated.
2. Dewatering is necessary for the installation of new sanitary and storm sewers.
3. Groundwater was found at El: +3.7'.
4. Monitor movement of adjacent structures: Vibration settling and optical monitoring (by others). Coordinate these activities with geotechnical engineer.
5. Using pumps will require a continuous power supply, and back up generators to ensure continuous pumps operation.
6. If excavation activites will occur in phases, a trench box (or equal) may be utilized for excavation activities, on an as-needed basis.

ENGINEERING NOTES:
1. Treatment consists of a settling tank, one (1) filter unit, and two (2) carbon units.
2. Treatment to be located on grade as indicated.
3a. Wellpoints will be installed along the perimeter of the new sanitary tank and new hydrodynamic separators as shown on the plans. Wellpoints will be 6' apart, and installed to El: -11', or to the top of the clay layer.
3b. Submersible pumps will be installed approximately 20' apart in the areas requiring trenching for new sanitary and storm sewers and will be operated as-needed. Six submersible pumps will be operating simultaneosly at any given time, and will move with the work area.
4. Discharge calculations assume only 100 LF of trench to be open at any given time.
5. The effluent will be discharged from the treatment into a manhole, which leads into the 24" storm sewer which feeds into the Flushing Bay Creek.
6. Exposed hoses can be manifolded into a main PVC header provided that each connection is fitted with a check valve and an adjustable flow valve.

Plan Notes:
Obtain permits from NYC DOT to:
1) close off street/sidewalk for construction fence
2) place construction fence around site

F: Filter Unit fitted with 5-micron filters (2-bag unit or larger)
C: Activated Carbon Vessels
(2x 3,000 lb, GWTT or equal)

Owner Information:
NYC Dept. of Transportation
55 Water Street
9th Floor
New York, NY 10041

AMC ENGINEERING PLLC
18-36 42nd Street
Astoria, NY 11105
718-545-0474

PROJECT
NYCDDC Contract HWHARPER-3
Harper Street Asphalt Plant (Rebuild)
131-21 Northern Boulevard
Queens, NY 11368
Block 1791 Lot 52

TITLE:
SPDES & Long Island Well Permit Application Dewatering Plan

SEAL & SIGNATURE:

DATE: APR 22, 2025
PROJECT No:
DRAWING BY: EW
CHK BY:
DWG No:
DW-1.00
125
1 of 1

Disclaimer:
This plan has been prepared for the purpose of obtaining a dewatering permit from the overseeing agency. This plan (and supplemental documents) have been prepared based on the information provided by others and through reasonable engineering assumptions. The recommendations expressed in this plan are not an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state, or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or conclusions expressed in this plan. The project construction manager and thereabouts the project owner hereby agree to indemnify and to save harmless AMC Engineering, PLLC and its professionals from and against any and all claims, suits, actions, proceedings, and losses that may arise after the date of this agreement from the construction, maintenance, operation, or use of any equipment (direct or indirect) for the purpose of dewatering at this location. Additionally, AMC Engineering, PLLC is held harmless due to any harmful side effects of lowering the water table, such as but not limited to: impact of drawdown on the perimeter of the site, salt water intrusion, movement of adjacent structures, movement of contaminated groundwater, backflow due to surcharge of outlet sewer and effect on any wetlands. Monitoring procedures for securing adjacent structures against any impacts during dewatering such as settlement, drawing of fines from beneath existing structures, and formation of cracks should be adopted.