

March 26, 2021

55 Walkers Brook Drive, Suite 100, Reading, MA 01867
Tel: 978.532.1900

Linda Hansen
Conservation Administrator
Town of Wayland
41 Cochituate Road
Wayland, MA 01778

Re: Order of Conditions and Chapter 194 Permit for 264 Old Connecticut Path, Wayland MA
June 2020 Water Quality Results
DEP File #: 322-928

Dear Ms. Hansen:

Pursuant of the Town of Wayland's request, Weston & Sampson Engineers, Inc. (Weston & Sampson) is pleased to provide a summary of water quality results from the monthly sampling round performed in June at the Wayland High School Athletic Facilities in Wayland, Massachusetts. As discussed in our initial baseline sampling report, the sampling and subsequent reporting was developed to comply with the Order of Conditions (OOC) letter issued by the Wayland Conservation Commission on November 16, 2018. Per the Order of Conditions, Weston & Sampson was instructed to sample from existing monitoring well locations (MW-1 and MW-5), all available cleanout locations (Cleanout 1, Cleanout 2, Cleanout 3 and Cleanout 4) and the overflow discharge pipe (Figure 1) for the following compounds: total benzene, arsenic, styrene, cadmium, chromium, copper, lead, silica, zinc, hardness and Semi Volatile Organic Compounds (SVOCs), including the phthalates BBP, DBP, and DEHP. After extensive research, it was discovered that DIBP, one of the requested phthalates is not being tested for in commercial laboratories due to the discontinuation of EPA's Integrated Risk Information System (IRIS). As a result, no toxicity value is available, and the compound was not sampled for in this study.

At the request of the town, Weston & Sampson mobilized to Wayland High School on June 29th, 2020 to collect water quality results for the month of June. The sampling protocol was conducted using the following methodology. In an effort to obtain a representative sample, three (3) well volumes were purged using a Waterra hydalift pump and high density polyethylene (HDPE) tubing to remove stagnant water from the well immediately prior to sampling in accordance with EPA standards. Groundwater was then sampled using the Waterra hydalift pump from the HDPE tubing. The samples collected for the June 2020 round of sampling include:

- Monitoring wells MW-1 and MW-5
- The overflow discharge pipe. Samples from the discharge pipe were collected directly with the standard sampling container(s) from the overflow of the discharge pipe.
- Cleanout locations (Cleanout 1, Cleanout 2, Cleanout 3 and Cleanout 4). Samples from the cleanout locations were taken using a masterflex peristaltic pump and low density polyethylene (LDPE) tubing. Samples were collected directly from the LDPE tubing.

The samples were collected by a qualified Weston & Sampson technician and analyzed by a Massachusetts and EPA certified laboratory, Alpha Analytical (Alpha). All sample results collected are summarized in Table 1 (Attachment A) and compared to the National Ambient Water Quality Criteria of MCP Method 1 GW-3. The laboratory report can be found in Attachment B.

The compounds detected at **MW-1** were Copper (0.00173 mg/l), Silica (13.2 mg/l), Zinc (0.01010 mg/l), and Hardness (140 mg/l). Benzene, Styrene, Arsenic, Cadmium, Chromium, Lead, and all SVOC's were not detected. **All detections are below Method 1- GW-3 Standards.**

The compounds detected at **MW-5** were Arsenic (0.00494 mg/l), Chromium (0.00347 mg/l), Copper (0.01064 mg/l), Lead (0.00496 mg/l), Silica (22.0 mg/l), Zinc (0.02162 mg/l), and Hardness (228 mg/l). Benzene, Styrene, Cadmium, and all SVOC's were not detected. **All detections are below Method 1- GW-3 Standards.**

The compounds detected in the **discharge pipe** were Copper (0.00111 mg/l), Silica (6.18 mg/l), Zinc (0.02105 mg/l), and Hardness (112 mg/l). Benzene, Styrene, Arsenic, Cadmium, Chromium, Lead, and all SVOC's were not detected. **All detections are below Method 1- GW-3 Standards.**

The compounds detected at **Cleanout Location 1** were Arsenic (0.00088 mg/l), Copper (0.00105 mg/l), Silica (1.78 mg/l), Zinc (0.04296 mg/l), Hardness (25.1 mg/l) and Aniline (0.0032 mg/l). Benzene, Styrene, Cadmium, Chromium, Lead, and all SVOC's, with the exception of Aniline, were not detected. **Currently, Aniline has no state or federal standard. All other detections are below Method 1- GW-3 Standards.**

The compounds detected at **Cleanout Location 2** were Arsenic (0.00072 mg/l), Silica (1.49 mg/l), Zinc (0.0825 mg/l), Hardness (19.1 mg/l) and Aniline (0.0023 mg/l). Benzene, Styrene, Cadmium, Chromium, Copper, Lead, and all SVOC's, with the exception of Aniline, were not detected. **Currently, Aniline has no state or federal standard. All other detections are below Method 1- GW-3 Standards.**

The compounds detected at **Cleanout Location 3** were Styrene (0.0011 mg/l), Arsenic (0.00102 mg/l), Copper (0.00114 mg/l), Silica (2.34 mg/l), Zinc (0.03504 mg/l), Hardness (23.0 mg/l) and Aniline (0.0024 mg/l). Benzene, Cadmium, Chromium, Lead, and all SVOC's, with the exception of Aniline, were not detected. **Currently, Aniline has no state or federal standard. All other detections are below Method 1- GW-3 Standards.**

The compounds detected at **Cleanout Location 4** were Styrene (0.0021 mg/l), Arsenic (0.00068 mg/l), Silica (1.89 mg/l), Zinc (0.07908 mg/l), Hardness (16.7 mg/l) and Aniline (0.0031 mg/l). Benzene, Cadmium, Chromium, Copper, Lead and all SVOC's, with the exception of Aniline, were not detected. **Currently, Aniline has no state or federal standard. All other detections are below Method 1- GW-3 Standards.**

Please feel free to call the undersigned if you have any questions.

Sincerely,

WESTON & SAMPSON ENGINEERS, INC.



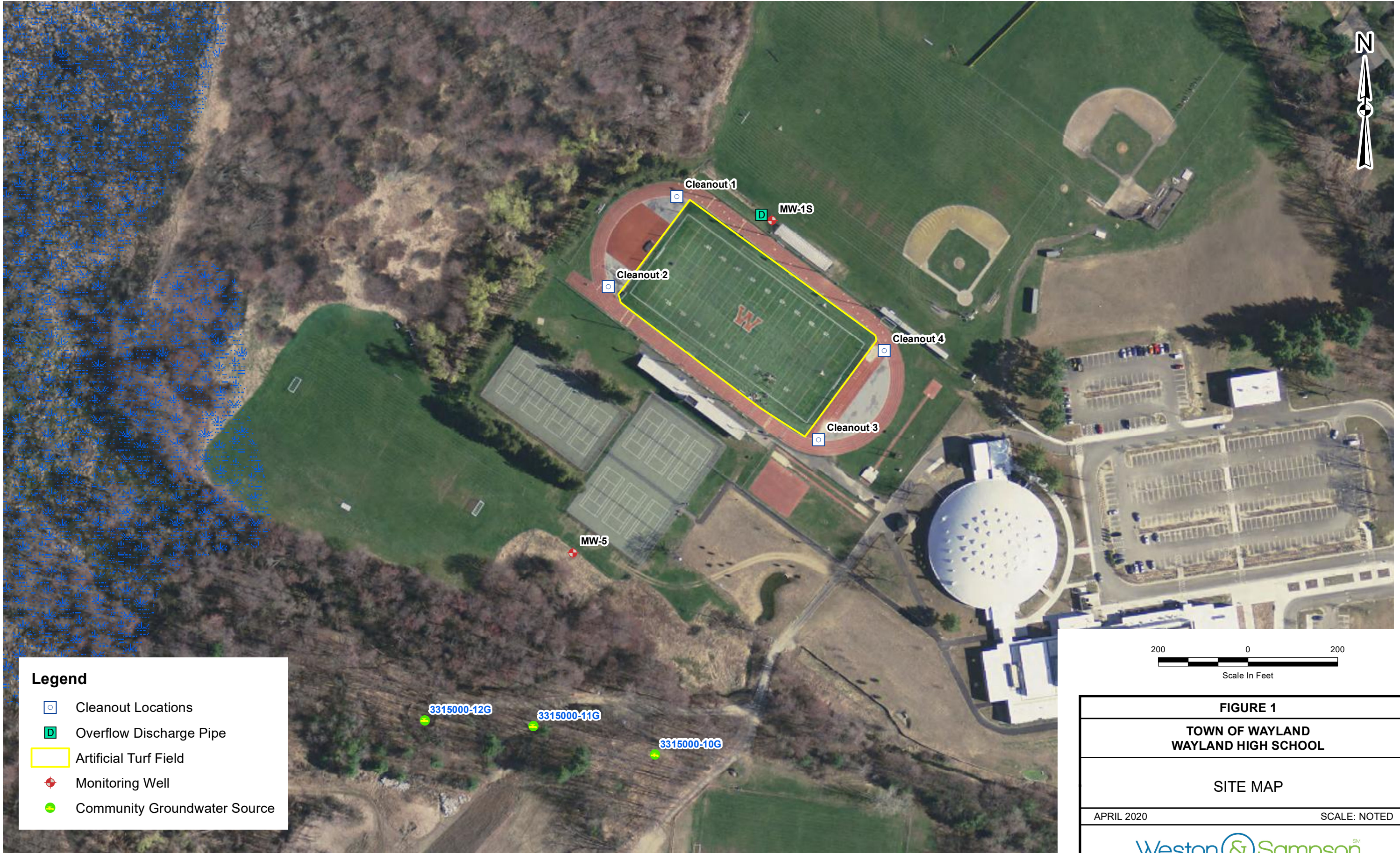
Kevin MacKinnon, P.G., C.G., PH-GW
Senior Technical Leader, Hydrogeology

Attachments/Enclosures






- Figures
- Attachment A – Table 1: Water Quality Results
- Attachment B – Laboratory Report of June Quality Results

cc: Ben Keefe, Town of Wayland Facilities Director
Brandon Kunkel, Weston & Sampson

Figures



Legend

-  Cleanout Locations
-  Overflow Discharge Pipe
-  Artificial Turf Field
-  Monitoring Well
-  Community Groundwater Source

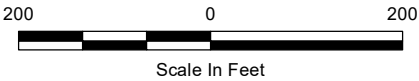



FIGURE 1	
TOWN OF WAYLAND WAYLAND HIGH SCHOOL	
SITE MAP	
APRIL 2020	SCALE: NOTED
	

Attachment A

Table 1

Well I.D.	Date Collected	Metals								Volatile Organic Compounds		Semi-Volatile Organic Compunds																	
		Total Arsenic	Total Cadmium	Total Chromium	Total Copper	Total Lead	Total Silica	Total Zinc	Hardness	Benzene	Styrene	Acenaphthene	Benzidine	1,2,4-Trichlorobenzene	Hexachlorobenzene	Bis(2-chloroethyl) ether	2-Chloronaphthalene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	3,3'-Dichlorobenzidine	2,4-Dinitrotoluene	2,6-Dinitrotoluene	Azobenzene	Fluoranthene	4-Chlorophenyl phenyl ether	4-Bromophenyl phenyl ether	Bis(2-chloroisopropyl) ether	Bis(2-chloroethoxy)methane
Method 1- GW-3 Standards (310 CMR 40.0974(2): Table 1	mg/l	0.9	0.004	0.3	Not Listed	0.01	Not Listed	0.9	Not Listed	10	6	10	Not Listed	50	6	50	Not Listed	2	50	8	2	50	Not Listed	Not Listed	0.2	Not Listed	Not Listed	50	Not Listed
Massachusetts Maximum Contaminant Level (MMCLs)/Secondary Contaminant Level (SMCLs) ¹	mg/l	0.01	0.005	0.1	1.3	0.015	Not Listed	5	Not Listed	0.01	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
MW-1	09/26/19 12/30/19 02/28/20 03/26/20 04/22/20 05/27/20 06/29/20	0.047 0.02304 0.00195 0.00699 ND ND ND	ND 0.00022 ND ND ND ND ND	0.083 0.02742 0.0025 0.01043 ND ND ND	0.12 0.06543 0.0025 0.05741 ND ND 0.00136	0.04 0.01972 0.00196 0.00677 ND ND ND	114 48.2 12.5 27.6 10.5 8.69 13.2	0.13 0.04325 ND 0.03923 ND ND 0.01010	155 127 82.1 121 111 109 140	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND
MW-5	09/26/19 12/30/19 02/28/20 03/26/20 04/22/20 05/27/20 06/29/20	0.051 0.009 0.00404 0.00249 0.02023 0.00351 0.00494	ND ND ND ND ND ND ND	0.048 0.01103 ND 0.00393 0.02520 0.00629 0.00347	0.16 0.02287 0.00978 0.00563 0.04852 0.00696 0.01064	0.056 0.00753 0.00479 0.00216 0.01720 0.00223 0.00496	98.4 33.6 50 29 55.3 25.4 22.0	0.15 0.028 0.01518 ND 0.056 0.01958 0.02162	301 250 276 254 280 242 228	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND
Discharge Pipe	09/26/19 12/30/19 02/28/20 03/26/20 04/22/20 05/27/20 06/29/20	* 0.00298 ND ND ND ND ND	* ND ND ND ND ND ND	* 0.043 ND ND ND 0.00137 0.00202 ND	* 0.00856 ND ND ND 0.00137 0.00109 ND	* 0.01175 ND ND ND ND 0.00109 ND	* 7.8 5.29 5.01 5.46 5.13 6.18	* 0.2596 ND 0.02353 ND 0.03025 0.02105	* 72.8 104 104 104 106 112	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	* ND ND ND ND ND ND	
Cleanout 1	09/26/19 12/30/19 02/28/20 03/26/20 04/22/20 05/27/20 06/29/20	* * 0.00135 * 0.0005 0.00103 0.00088	* * ND * ND ND ND	* * ND * ND ND ND	* * 0.00122 * ND 0.00236 0.00105	* * ND * ND ND ND	* * 2.6 * 1.35 2.28 1.78	* * 0.01807 * 0.02697 0.05993 0.04296	* * 31.4 * 18.7 33 25.1	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	* * ND * ND ND ND	
Cleanout 2	09/26/19 12/30/19 02/28/20 03/26/20 04/22/20 05/27/20 06/29/20	* * 0.00085 0.00068 0.00070 0.00094 0.00072	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND 0.00165 ND	* * ND ND ND ND ND	* * 1.76 1.45 1.64 2.73 1.49	* * ND 0.0195 0.03587 0.1893 0.0825	* * 21.3 17.4 20.5 56.3 19.1	* * ND ND ND ND ND	* * 0.0032 0.0021 ND 0.043 ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND		
Cleanout 3	09/26/19 12/30/19 02/28/20 03/26/20 04/22/20 05/27/20 06/29/20	* * * * 0.00108 0.00221 0.00102	* * * * ND ND ND	* * * * ND ND ND	* * * * ND 0.00595 0.00114	* * * * ND ND ND	* * * * 2.33 5.04 2.34	* * * * ND 0.1289 0.03504	* * * * 23.9 56.9 23	* * * * ND ND ND	* * * * ND ND 0.0011	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND	* * * * ND ND ND		
Cleanout 4	09/26/19 12/30/19 02/28/20 03/26/20 04/22/20 05/27/20 06/29/20	* * 0.00171 0.00114 0.00122 0.00228 0.00068	* * ND ND ND ND ND	* * ND 0.00144 ND ND ND	* * ND ND ND 0.00356 ND	* * ND ND ND ND ND	* * 3.68 2.81 2.97 4.93 1.89	* * 0.01728 0.07212 ND 0.08808 0.07908	* * 35.6 32.9 28.9 49.0 16.7	* * ND ND ND ND ND	* * 0.0034 ND ND ND 0.0021	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND	* * ND ND ND ND ND		

1. Drinking Water Standards
2. All results recorded in mg/l
3. NS- Not Sampled
4. ND- Not Detected
5. *- Insufficient amount of water for sample

Table 1

Well I.D.	Date Collected	Semi-Volatile Organic Compunds																													
		Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Isophorone	Naphthalene	Nitrobenzene	NDPA/DPA	n-Nitrosodi-n-propylamine	Bis(2-ethylhexyl)phthalate	Butyl benzyl phthalate	Di-n-butylphthalate	Di-n-octylphthalate	Diethyl phthalate	Dimethyl phthalate	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Acenaphthylene	Anthracene	Benzo(g,h,i)perylene	Fluorene	Phenanthrene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Pyrene	Biphenyl	Aniline	4-Chloroaniline
Method 1- GW-3 Standards (310 CMR 40.0974(2): Table 1	mg/l	3	Not Listed	50	Not Listed	20	Not Listed	Not Listed	Not Listed	50	Not Listed	Not Listed	Not Listed	9	50	1	0.5	0.4	0.1	0.07	0.04	0.03	0.02	0.04	10	0.04	0.1	0.02	Not Listed	Not Listed	0.3
Massachusetts Maximum Contaminant Level (MMCLs)/Secondary Contaminant Level (SMCLs) ¹	mg/l	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	
MW-1	09/26/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/30/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	09/26/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/30/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Discharge Pipe	09/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12/30/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cleanout 1	09/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12/30/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0032	ND
Cleanout 2	09/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12/30/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0022	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND																

1. Drinking Water Standards
2. All results recorded in mg/l
3. NS- Not Sampled
4. ND- Not Detected
5. *- Insufficient amount of water for sample

Table 1

Well I.D.	Date Collected	Semi-Volatile Organic Compounds																								
		1-Methylnaphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Dibenzofuran	2-Methylnaphthalene	n-Nitrosodimethylamine	2,4,6-Trichlorophenol	p-Chloro-n-cresol	2-Chlorophenol	2,4-Dichlorophenol	2,4-Dimethylphenol	2-Nitrophenol	4-Nitrophenol	2,4-Dinitrophenol	4,6-Dinitro-o-cresol	Pentachlorophenol	Phenol	2-Methylphenol	3-Methylphenol/4-Methylphenol	2,4,5-Trichlorophenol	Benzoic Acid	Benzyl Alcohol	Carbazole	Pyridine
Method 1- GW-3 Standards (310 CMR 40.0974(2): Table 1	mg/l	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	20	Not Listed	0.5	Not Listed	7	2	50	Not Listed	Not Listed	20	Not Listed	0.2	2	Not Listed	Not Listed	3	Not Listed	Not Listed	Not Listed	Not Listed
Massachusetts Maximum Contaminant Level (MMLs)/Secondary Contaminant Level (SMCLs) ¹	mg/l	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
MW-1	09/26/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/30/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	09/26/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/30/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Discharge Pipe	09/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12/30/19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cleanout 1	09/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12/30/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cleanout 2	09/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12/30/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cleanout 3	09/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12/30/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02/28/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03/26/20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cleanout 4	09/26/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	12/30/19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	02/28/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/29/20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

1. Drinking Water Standards
2. All results recorded in mg/l
3. NS- Not Sampled
4. ND- Not Detected
5. *- Insufficient amount of water for sample

Attachment B



ANALYTICAL REPORT

Lab Number:	L2027386
Client:	Weston & Sampson 55 Walkers Brook Drive Suite 100 Reading, MA 01867
ATTN:	Kevin MacKinnon
Phone:	(978) 532-1900
Project Name:	WAYLAND HIGH SCHOOL
Project Number:	ENG20-0296
Report Date:	07/07/20

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

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



Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2027386-01	MW-1	WATER	WAYLAND, MA	06/29/20 10:20	06/29/20
L2027386-02	MW-5	WATER	WAYLAND, MA	06/29/20 09:40	06/29/20
L2027386-03	DISCHARGE PIPE	WATER	WAYLAND, MA	06/28/20 10:00	06/29/20
L2027386-04	CLEANOUT 1	WATER	WAYLAND, MA	06/28/20 11:25	06/29/20
L2027386-05	CLEANOUT 2	WATER	WAYLAND, MA	06/29/20 11:50	06/29/20
L2027386-06	CLEANOUT 3	WATER	WAYLAND, MA	06/29/20 12:15	06/29/20
L2027386-07	CLEANOUT 4	WATER	WAYLAND, MA	06/28/20 11:00	06/29/20
L2027386-08	TB-01	WATER	WAYLAND, MA	06/28/20 00:00	06/29/20

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Case Narrative (continued)

Sample Receipt

L2027386-01: The collection date and time on the chain of custody was 28-JUN-20 10:20; however, the collection date/time on the container label was 29-JUN-20 10:20. At the client's request, the collection date/time is reported as 29-JUN-20 10:20.

L2027386-02: The collection date and time on the chain of custody was 28-JUN-20 09:40; however, the collection date/time on the container label was 29-JUN-20 09:40. At the client's request, the collection date/time is reported as 29-JUN-20 09:40.

L2027386-05: The collection date and time on the chain of custody was 28-JUN-20 11:50; however, the collection date/time on the container label was 29-JUN-20 11:50. At the client's request, the collection date/time is reported as 29-JUN-20 11:50.

L2027386-06: The collection date and time on the chain of custody was 28-JUN-20 12:15; however, the collection date/time on the container label was 29-JUN-20 12:15. At the client's request, the collection date/time is reported as 29-JUN-20 12:15.

Semivolatile Organics

The WG1387420-2/-3 LCS/LCSD recoveries, associated with L2027386-03, -04, and -07, are below the acceptance criteria for benzidine (0%/4%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG1387758-2/-3 LCS/LCSD recoveries, associated with L2027386-01, -02, -05, and -06, are below the acceptance criteria for benzidine (3%/4%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

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

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 07/07/20

ORGANICS

VOLATILES

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-01
Client ID: MW-1
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 10:20
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 20:26
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	--	1
Styrene	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-02
Client ID: MW-5
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 09:40
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 20:48
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	--	1
Styrene	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-03
Client ID: DISCHARGE PIPE
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 10:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 21:10
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	--	1
Styrene	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-04
Client ID: CLEANOUT 1
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 11:25
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 21:32
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	--	1
Styrene	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-05
Client ID: CLEANOUT 2
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 11:50
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 21:54
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	--	1
Styrene	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-06
Client ID: CLEANOUT 3
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 12:15
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 22:16
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	--	1
Styrene	1.1		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-07
Client ID: CLEANOUT 4
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 11:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 22:38
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	--	1
Styrene	2.1		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	91		70-130

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-08
Client ID: TB-01
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 00:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 07/01/20 19:42
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Benzene	ND		ug/l	0.50	--	1
Styrene	ND		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 07/01/20 19:09
 Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1388575-5					
Benzene	ND		ug/l	0.50	--
Styrene	ND		ug/l	1.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** WAYLAND HIGH SCHOOL**Project Number:** ENG20-0296**Lab Number:** L2027386**Report Date:** 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1388575-3 WG1388575-4								
Benzene	82		78		70-130	5		25
Styrene	90		90		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		104		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	98		101		70-130
Dibromofluoromethane	96		93		70-130

SEMIVOLATILES

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-01
Client ID: MW-1
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 10:20
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 00:19
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Hexachlorobenzene	ND		ug/l	2.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	2.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS****Lab ID:** L2027386-01**Date Collected:** 06/29/20 10:20**Client ID:** MW-1**Date Received:** 06/29/20**Sample Location:** WAYLAND, MA**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Benzo(a)anthracene	ND		ug/l	2.0	--	1
Benzo(a)pyrene	ND		ug/l	2.0	--	1
Benzo(b)fluoranthene	ND		ug/l	2.0	--	1
Benzo(k)fluoranthene	ND		ug/l	2.0	--	1
Chrysene	ND		ug/l	2.0	--	1
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
1-Methylnaphthalene	ND		ug/l	2.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Pentachlorophenol	ND		ug/l	10	--	1

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-01
Client ID: MW-1
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 10:20
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	3.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	44		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	72		41-149

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-02
Client ID: MW-5
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 09:40
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/01/20 23:56
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Hexachlorobenzene	ND		ug/l	2.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	2.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-02
Client ID: MW-5
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 09:40
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Benzo(a)anthracene	ND		ug/l	2.0	--	1
Benzo(a)pyrene	ND		ug/l	2.0	--	1
Benzo(b)fluoranthene	ND		ug/l	2.0	--	1
Benzo(k)fluoranthene	ND		ug/l	2.0	--	1
Chrysene	ND		ug/l	2.0	--	1
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
1-Methylnaphthalene	ND		ug/l	2.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Pentachlorophenol	ND		ug/l	10	--	1

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-02
Client ID: MW-5
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 09:40
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	3.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	73		41-149

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-03
Client ID: DISCHARGE PIPE
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 10:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 02:16
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Hexachlorobenzene	ND		ug/l	2.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	2.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-03
Client ID: DISCHARGE PIPE
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 10:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Benzo(a)anthracene	ND		ug/l	2.0	--	1
Benzo(a)pyrene	ND		ug/l	2.0	--	1
Benzo(b)fluoranthene	ND		ug/l	2.0	--	1
Benzo(k)fluoranthene	ND		ug/l	2.0	--	1
Chrysene	ND		ug/l	2.0	--	1
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
1-Methylnaphthalene	ND		ug/l	2.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Pentachlorophenol	ND		ug/l	10	--	1

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-03
Client ID: DISCHARGE PIPE
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 10:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	3.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	77		41-149

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-04
Client ID: CLEANOUT 1
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 11:25
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 03:02
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Hexachlorobenzene	ND		ug/l	2.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	2.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-04
Client ID: CLEANOUT 1
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 11:25
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Benzo(a)anthracene	ND		ug/l	2.0	--	1
Benzo(a)pyrene	ND		ug/l	2.0	--	1
Benzo(b)fluoranthene	ND		ug/l	2.0	--	1
Benzo(k)fluoranthene	ND		ug/l	2.0	--	1
Chrysene	ND		ug/l	2.0	--	1
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
Aniline	3.2		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
1-Methylnaphthalene	ND		ug/l	2.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Pentachlorophenol	ND		ug/l	10	--	1

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-04
Client ID: CLEANOUT 1
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 11:25
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	3.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	80		41-149

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-05
Client ID: CLEANOUT 2
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 11:50
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 01:52
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Hexachlorobenzene	ND		ug/l	2.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	2.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-05
Client ID: CLEANOUT 2
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 11:50
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Benzo(a)anthracene	ND		ug/l	2.0	--	1
Benzo(a)pyrene	ND		ug/l	2.0	--	1
Benzo(b)fluoranthene	ND		ug/l	2.0	--	1
Benzo(k)fluoranthene	ND		ug/l	2.0	--	1
Chrysene	ND		ug/l	2.0	--	1
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
Aniline	2.3		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
1-Methylnaphthalene	ND		ug/l	2.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Pentachlorophenol	ND		ug/l	10	--	1

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-05
Client ID: CLEANOUT 2
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 11:50
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	3.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	64		41-149

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-06
Client ID: CLEANOUT 3
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 12:15
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 03:25
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 09:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Hexachlorobenzene	ND		ug/l	2.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	2.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-06
Client ID: CLEANOUT 3
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 12:15
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Benzo(a)anthracene	ND		ug/l	2.0	--	1
Benzo(a)pyrene	ND		ug/l	2.0	--	1
Benzo(b)fluoranthene	ND		ug/l	2.0	--	1
Benzo(k)fluoranthene	ND		ug/l	2.0	--	1
Chrysene	ND		ug/l	2.0	--	1
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
Aniline	2.4		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
1-Methylnaphthalene	ND		ug/l	2.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Pentachlorophenol	ND		ug/l	10	--	1

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-06
Client ID: CLEANOUT 3
Sample Location: WAYLAND, MA

Date Collected: 06/29/20 12:15
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	3.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	82		41-149

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-07
Client ID: CLEANOUT 4
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 11:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 07/02/20 02:39
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/01/20 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	--	1
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Hexachlorobenzene	ND		ug/l	2.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
2-Chloronaphthalene	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
Fluoranthene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorobutadiene	ND		ug/l	2.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Hexachloroethane	ND		ug/l	2.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-07
Client ID: CLEANOUT 4
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 11:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Benzo(a)anthracene	ND		ug/l	2.0	--	1
Benzo(a)pyrene	ND		ug/l	2.0	--	1
Benzo(b)fluoranthene	ND		ug/l	2.0	--	1
Benzo(k)fluoranthene	ND		ug/l	2.0	--	1
Chrysene	ND		ug/l	2.0	--	1
Acenaphthylene	ND		ug/l	2.0	--	1
Anthracene	ND		ug/l	2.0	--	1
Benzo(ghi)perylene	ND		ug/l	2.0	--	1
Fluorene	ND		ug/l	2.0	--	1
Phenanthrene	ND		ug/l	2.0	--	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--	1
Pyrene	ND		ug/l	2.0	--	1
Biphenyl	ND		ug/l	2.0	--	1
Aniline	3.1		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
1-Methylnaphthalene	ND		ug/l	2.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
2-Methylnaphthalene	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Pentachlorophenol	ND		ug/l	10	--	1

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

SAMPLE RESULTS

Lab ID: L2027386-07
Client ID: CLEANOUT 4
Sample Location: WAYLAND, MA

Date Collected: 06/28/20 11:00
Date Received: 06/29/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	3.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	69		41-149

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/01/20 01:03
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/30/20 07:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07 Batch: WG1387420-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Hexachlorobenzene	ND		ug/l	2.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	2.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NDPA/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/01/20 01:03
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/30/20 07:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07 Batch: WG1387420-1					
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Benzo(a)anthracene	ND		ug/l	2.0	--
Benzo(a)pyrene	ND		ug/l	2.0	--
Benzo(b)fluoranthene	ND		ug/l	2.0	--
Benzo(k)fluoranthene	ND		ug/l	2.0	--
Chrysene	ND		ug/l	2.0	--
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Biphenyl	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
1-Methylnaphthalene	ND		ug/l	2.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
p-Chloro-m-cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/01/20 01:03
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 06/30/20 07:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07 Batch: WG1387420-1					
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Pentachlorophenol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzoic Acid	ND		ug/l	50	--
Benzyl Alcohol	ND		ug/l	2.0	--
Carbazole	ND		ug/l	2.0	--
Pyridine	ND		ug/l	3.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	62		41-149

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 07/01/20 08:49
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 06/30/20 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-06 Batch: WG1387758-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Hexachlorobenzene	ND		ug/l	2.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	2.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NDPA/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/01/20 08:49
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/30/20 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-06 Batch: WG1387758-1					
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Benzo(a)anthracene	ND		ug/l	2.0	--
Benzo(a)pyrene	ND		ug/l	2.0	--
Benzo(b)fluoranthene	ND		ug/l	2.0	--
Benzo(k)fluoranthene	ND		ug/l	2.0	--
Chrysene	ND		ug/l	2.0	--
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Biphenyl	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
1-Methylnaphthalene	ND		ug/l	2.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
p-Chloro-m-cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 07/01/20 08:49
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/30/20 18:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,05-06 Batch: WG1387758-1					
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Pentachlorophenol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzoic Acid	ND		ug/l	50	--
Benzyl Alcohol	ND		ug/l	2.0	--
Carbazole	ND		ug/l	2.0	--
Pyridine	ND		ug/l	3.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	47		10-120
4-Terphenyl-d14	72		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07 Batch: WG1387420-2 WG1387420-3								
Acenaphthene	70		70		37-111	0		30
Benzidine	0	Q	4	Q	10-75	NC		30
1,2,4-Trichlorobenzene	69		67		39-98	3		30
Hexachlorobenzene	68		68		40-140	0		30
Bis(2-chloroethyl)ether	67		65		40-140	3		30
2-Chloronaphthalene	69		68		40-140	1		30
1,2-Dichlorobenzene	70		70		40-140	0		30
1,3-Dichlorobenzene	66		64		40-140	3		30
1,4-Dichlorobenzene	66		64		36-97	3		30
3,3'-Dichlorobenzidine	46		52		40-140	12		30
2,4-Dinitrotoluene	78		76		48-143	3		30
2,6-Dinitrotoluene	80		82		40-140	2		30
Azobenzene	70		68		40-140	3		30
Fluoranthene	72		72		40-140	0		30
4-Chlorophenyl phenyl ether	69		68		40-140	1		30
4-Bromophenyl phenyl ether	66		60		40-140	10		30
Bis(2-chloroisopropyl)ether	81		77		40-140	5		30
Bis(2-chloroethoxy)methane	66		64		40-140	3		30
Hexachlorobutadiene	64		62		40-140	3		30
Hexachlorocyclopentadiene	65		66		40-140	2		30
Hexachloroethane	75		70		40-140	7		30
Isophorone	79		76		40-140	4		30
Naphthalene	66		66		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07 Batch: WG1387420-2 WG1387420-3								
Nitrobenzene	79		77		40-140	3		30
NDPA/DPA	65		65		40-140	0		30
n-Nitrosodi-n-propylamine	78		76		29-132	3		30
Bis(2-ethylhexyl)phthalate	87		88		40-140	1		30
Butyl benzyl phthalate	81		84		40-140	4		30
Di-n-butylphthalate	77		76		40-140	1		30
Di-n-octylphthalate	89		87		40-140	2		30
Diethyl phthalate	79		77		40-140	3		30
Dimethyl phthalate	76		76		40-140	0		30
Benzo(a)anthracene	75		72		40-140	4		30
Benzo(a)pyrene	72		70		40-140	3		30
Benzo(b)fluoranthene	76		72		40-140	5		30
Benzo(k)fluoranthene	81		78		40-140	4		30
Chrysene	83		79		40-140	5		30
Acenaphthylene	71		70		45-123	1		30
Anthracene	71		70		40-140	1		30
Benzo(ghi)perylene	83		80		40-140	4		30
Fluorene	70		69		40-140	1		30
Phenanthrene	70		69		40-140	1		30
Dibenzo(a,h)anthracene	79		77		40-140	3		30
Indeno(1,2,3-cd)pyrene	76		73		40-140	4		30
Pyrene	73		73		26-127	0		30
Biphenyl	79		78		40-140	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07 Batch: WG1387420-2 WG1387420-3								
Aniline	20	Q	34	Q	40-140	52	Q	30
4-Chloroaniline	48		50		40-140	4		30
1-Methylnaphthalene	72		69		41-103	4		30
2-Nitroaniline	73		72		52-143	1		30
3-Nitroaniline	54		51		25-145	6		30
4-Nitroaniline	50	Q	50	Q	51-143	0		30
Dibenzofuran	67		67		40-140	0		30
2-Methylnaphthalene	64		62		40-140	3		30
n-Nitrosodimethylamine	42		37		22-74	13		30
2,4,6-Trichlorophenol	66		66		30-130	0		30
p-Chloro-m-cresol	71		68		23-97	4		30
2-Chlorophenol	71		68		27-123	4		30
2,4-Dichlorophenol	76		71		30-130	7		30
2,4-Dimethylphenol	51		72		30-130	34	Q	30
2-Nitrophenol	87		85		30-130	2		30
4-Nitrophenol	58		54		10-80	7		30
2,4-Dinitrophenol	84		76		20-130	10		30
4,6-Dinitro-o-cresol	92		89		20-164	3		30
Pentachlorophenol	78		76		9-103	3		30
Phenol	43		41		12-110	5		30
2-Methylphenol	68		68		30-130	0		30
3-Methylphenol/4-Methylphenol	70		56		30-130	22		30
2,4,5-Trichlorophenol	71		71		30-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07 Batch: WG1387420-2 WG1387420-3								
Benzoic Acid	78		55		10-164	35	Q	30
Benzyl Alcohol	53		47		26-116	12		30
Carbazole	62		62		55-144	0		30
Pyridine	10		26		10-66	89	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		45		21-120
Phenol-d6	46		41		10-120
Nitrobenzene-d5	86		83		23-120
2-Fluorobiphenyl	64		62		15-120
2,4,6-Tribromophenol	68		69		10-120
4-Terphenyl-d14	64		61		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG1387758-2 WG1387758-3								
Acenaphthene	69		65		37-111	6		30
Benzidine	3	Q	4	Q	10-75	14		30
1,2,4-Trichlorobenzene	66		65		39-98	2		30
Hexachlorobenzene	63		60		40-140	5		30
Bis(2-chloroethyl)ether	69		66		40-140	4		30
2-Chloronaphthalene	74		68		40-140	8		30
1,2-Dichlorobenzene	64		64		40-140	0		30
1,3-Dichlorobenzene	64		62		40-140	3		30
1,4-Dichlorobenzene	64		63		36-97	2		30
3,3'-Dichlorobenzidine	62		59		40-140	5		30
2,4-Dinitrotoluene	92		85		48-143	8		30
2,6-Dinitrotoluene	82		79		40-140	4		30
Azobenzene	77		70		40-140	10		30
Fluoranthene	74		67		40-140	10		30
4-Chlorophenyl phenyl ether	71		64		40-140	10		30
4-Bromophenyl phenyl ether	66		62		40-140	6		30
Bis(2-chloroisopropyl)ether	72		69		40-140	4		30
Bis(2-chloroethoxy)methane	74		69		40-140	7		30
Hexachlorobutadiene	64		60		40-140	6		30
Hexachlorocyclopentadiene	64		60		40-140	6		30
Hexachloroethane	66		66		40-140	0		30
Isophorone	69		66		40-140	4		30
Naphthalene	69		66		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG1387758-2 WG1387758-3								
Nitrobenzene	78		76		40-140	3		30
NDPA/DPA	73		66		40-140	10		30
n-Nitrosodi-n-propylamine	70		68		29-132	3		30
Bis(2-ethylhexyl)phthalate	91		82		40-140	10		30
Butyl benzyl phthalate	77		71		40-140	8		30
Di-n-butylphthalate	74		67		40-140	10		30
Di-n-octylphthalate	82		73		40-140	12		30
Diethyl phthalate	74		68		40-140	8		30
Dimethyl phthalate	76		73		40-140	4		30
Benzo(a)anthracene	78		68		40-140	14		30
Benzo(a)pyrene	77		65		40-140	17		30
Benzo(b)fluoranthene	80		67		40-140	18		30
Benzo(k)fluoranthene	78		73		40-140	7		30
Chrysene	78		69		40-140	12		30
Acenaphthylene	71		70		45-123	1		30
Anthracene	76		69		40-140	10		30
Benzo(ghi)perylene	91		78		40-140	15		30
Fluorene	71		66		40-140	7		30
Phenanthrene	74		69		40-140	7		30
Dibenzo(a,h)anthracene	81		70		40-140	15		30
Indeno(1,2,3-cd)pyrene	81		68		40-140	17		30
Pyrene	75		68		26-127	10		30
Biphenyl	75		71		40-140	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG1387758-2 WG1387758-3								
Aniline	24	Q	25	Q	40-140	4		30
4-Chloroaniline	54		53		40-140	2		30
1-Methylnaphthalene	69		66		41-103	4		30
2-Nitroaniline	81		77		52-143	5		30
3-Nitroaniline	73		67		25-145	9		30
4-Nitroaniline	75		64		51-143	16		30
Dibenzofuran	70		68		40-140	3		30
2-Methylnaphthalene	68		68		40-140	0		30
n-Nitrosodimethylamine	49		46		22-74	6		30
2,4,6-Trichlorophenol	68		68		30-130	0		30
p-Chloro-m-cresol	75		73		23-97	3		30
2-Chlorophenol	67		63		27-123	6		30
2,4-Dichlorophenol	71		69		30-130	3		30
2,4-Dimethylphenol	61		61		30-130	0		30
2-Nitrophenol	88		88		30-130	0		30
4-Nitrophenol	71		59		10-80	18		30
2,4-Dinitrophenol	102		97		20-130	5		30
4,6-Dinitro-o-cresol	98		91		20-164	7		30
Pentachlorophenol	70		68		9-103	3		30
Phenol	54		51		12-110	6		30
2-Methylphenol	67		63		30-130	6		30
3-Methylphenol/4-Methylphenol	70		69		30-130	1		30
2,4,5-Trichlorophenol	73		71		30-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,05-06 Batch: WG1387758-2 WG1387758-3								
Benzoic Acid	42		50		10-164	17		30
Benzyl Alcohol	62		60		26-116	3		30
Carbazole	75		69		55-144	8		30
Pyridine	16		16		10-66	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		56		21-120
Phenol-d6	54		50		10-120
Nitrobenzene-d5	84		85		23-120
2-Fluorobiphenyl	71		70		15-120
2,4,6-Tribromophenol	61		61		10-120
4-Terphenyl-d14	71		64		41-149

METALS

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-01

Date Collected: 06/29/20 10:20

Client ID: MW-1

Date Received: 06/29/20

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	ND		mg/l	0.00050	--	1	07/01/20 10:25	07/02/20 09:20	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	07/01/20 10:25	07/02/20 09:20	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:20	EPA 3005A	1,6020B	AM
Copper, Total	0.00173		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:20	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:20	EPA 3005A	1,6020B	AM
Silica, Total	13.2		mg/l	0.500	--	1	07/01/20 10:25	07/06/20 13:37	EPA 3005A	1,6010D	BV
Zinc, Total	0.01010		mg/l	0.01000	--	1	07/01/20 10:25	07/02/20 09:20	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	140		mg/l	0.660	NA	1	07/01/20 10:25	07/06/20 13:37	EPA 3005A	1,6010D	BV



Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-02

Date Collected: 06/29/20 09:40

Client ID: MW-5

Date Received: 06/29/20

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00494		mg/l	0.00050	--	1	07/01/20 10:25	07/02/20 09:54	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	07/01/20 10:25	07/02/20 09:54	EPA 3005A	1,6020B	AM
Chromium, Total	0.00347		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:54	EPA 3005A	1,6020B	AM
Copper, Total	0.01064		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:54	EPA 3005A	1,6020B	AM
Lead, Total	0.00496		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:54	EPA 3005A	1,6020B	AM
Silica, Total	22.0		mg/l	0.500	--	1	07/01/20 10:25	07/06/20 16:04	EPA 3005A	1,6010D	BV
Zinc, Total	0.02162		mg/l	0.01000	--	1	07/01/20 10:25	07/02/20 09:54	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	228		mg/l	0.660	NA	1	07/01/20 10:25	07/06/20 16:04	EPA 3005A	1,6010D	BV



Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-03

Date Collected: 06/28/20 10:00

Client ID: DISCHARGE PIPE

Date Received: 06/29/20

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	ND		mg/l	0.00050	--	1	07/01/20 10:25	07/02/20 09:59	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	07/01/20 10:25	07/02/20 09:59	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:59	EPA 3005A	1,6020B	AM
Copper, Total	0.00111		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:59	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 09:59	EPA 3005A	1,6020B	AM
Silica, Total	6.18		mg/l	0.500	--	1	07/01/20 10:25	07/06/20 18:27	EPA 3005A	1,6010D	BV
Zinc, Total	0.02105		mg/l	0.01000	--	1	07/01/20 10:25	07/02/20 09:59	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	112		mg/l	0.660	NA	1	07/01/20 10:25	07/06/20 18:27	EPA 3005A	1,6010D	BV



Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-04

Date Collected: 06/28/20 11:25

Client ID: CLEANOUT 1

Date Received: 06/29/20

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00088		mg/l	0.00050	--	1	07/01/20 10:25	07/02/20 10:04	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	07/01/20 10:25	07/02/20 10:04	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:04	EPA 3005A	1,6020B	AM
Copper, Total	0.00105		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:04	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:04	EPA 3005A	1,6020B	AM
Silica, Total	1.78		mg/l	0.500	--	1	07/01/20 10:25	07/06/20 18:32	EPA 3005A	1,6010D	BV
Zinc, Total	0.04296		mg/l	0.01000	--	1	07/01/20 10:25	07/02/20 10:04	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	25.1		mg/l	0.660	NA	1	07/01/20 10:25	07/06/20 18:32	EPA 3005A	1,6010D	BV



Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-05

Date Collected: 06/29/20 11:50

Client ID: CLEANOUT 2

Date Received: 06/29/20

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00072		mg/l	0.00050	--	1	07/01/20 10:25	07/02/20 10:09	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	07/01/20 10:25	07/02/20 10:09	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:09	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:09	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:09	EPA 3005A	1,6020B	AM
Silica, Total	1.49		mg/l	0.500	--	1	07/01/20 10:25	07/06/20 18:37	EPA 3005A	1,6010D	BV
Zinc, Total	0.08250		mg/l	0.01000	--	1	07/01/20 10:25	07/02/20 10:09	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	19.1		mg/l	0.660	NA	1	07/01/20 10:25	07/06/20 18:37	EPA 3005A	1,6010D	BV



Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-06

Date Collected: 06/29/20 12:15

Client ID: CLEANOUT 3

Date Received: 06/29/20

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00102		mg/l	0.00050	--	1	07/01/20 10:25	07/02/20 10:14	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	07/01/20 10:25	07/02/20 10:14	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:14	EPA 3005A	1,6020B	AM
Copper, Total	0.00114		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:14	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:14	EPA 3005A	1,6020B	AM
Silica, Total	2.34		mg/l	0.500	--	1	07/01/20 10:25	07/06/20 18:41	EPA 3005A	1,6010D	BV
Zinc, Total	0.03504		mg/l	0.01000	--	1	07/01/20 10:25	07/02/20 10:14	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	23.0		mg/l	0.660	NA	1	07/01/20 10:25	07/06/20 18:41	EPA 3005A	1,6010D	BV



Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**SAMPLE RESULTS**

Lab ID: L2027386-07

Date Collected: 06/28/20 11:00

Client ID: CLEANOUT 4

Date Received: 06/29/20

Sample Location: WAYLAND, MA

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.00068		mg/l	0.00050	--	1	07/01/20 10:25	07/02/20 10:19	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	07/01/20 10:25	07/02/20 10:19	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:19	EPA 3005A	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:19	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 10:19	EPA 3005A	1,6020B	AM
Silica, Total	1.89		mg/l	0.500	--	1	07/01/20 10:25	07/06/20 18:55	EPA 3005A	1,6010D	BV
Zinc, Total	0.07908		mg/l	0.01000	--	1	07/01/20 10:25	07/02/20 10:19	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	16.7		mg/l	0.660	NA	1	07/01/20 10:25	07/06/20 18:55	EPA 3005A	1,6010D	BV



Project Name: WAYLAND HIGH SCHOOL

Lab Number: L2027386

Project Number: ENG20-0296

Report Date: 07/07/20

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1387726-1										
Arsenic, Total	ND		mg/l	0.00050	--	1	07/01/20 10:25	07/02/20 08:55	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	07/01/20 10:25	07/02/20 08:55	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 08:55	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 08:55	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	07/01/20 10:25	07/02/20 08:55	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	--	1	07/01/20 10:25	07/02/20 08:55	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1387728-1										
Silica, Total	ND		mg/l	0.500	--	1	07/01/20 10:25	07/06/20 13:28	1,6010D	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Hardness by SM 2340B - Mansfield Lab for sample(s): 01-07 Batch: WG1387728-1										
Hardness	ND		mg/l	0.660	NA	1	07/01/20 10:25	07/06/20 13:28	1,6010D	BV

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1387726-2								
Arsenic, Total	100		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Copper, Total	103		-		80-120	-		
Lead, Total	90		-		80-120	-		
Zinc, Total	108		-		80-120	-		
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-07 Batch: WG1387728-2								
Hardness	103		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1387728-7								
Silica, Total	105		-		80-120	-		

Matrix Spike Analysis Batch Quality Control

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07			QC Batch ID: WG1387726-3			QC Sample: L2027386-01			Client ID: MW-1			
Arsenic, Total	ND	0.12	0.1248	104		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05418	106		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.2027	101		-	-		75-125	-		20
Copper, Total	0.00173	0.25	0.2563	102		-	-		75-125	-		20
Lead, Total	ND	0.51	0.5201	102		-	-		75-125	-		20
Zinc, Total	0.01010	0.5	0.5425	106		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-07			QC Batch ID: WG1387728-3			QC Sample: L2027386-01			Client ID: MW-1			
Silica, Total	13.2	2.14	15.5	107		-	-		75-125	-		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-07			QC Batch ID: WG1387728-3			QC Sample: L2027386-01			Client ID: MW-1			
Hardness	140	66.2	207	101		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WAYLAND HIGH SCHOOL

Project Number: ENG20-0296

Lab Number: L2027386

Report Date: 07/07/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1387726-4 QC Sample: L2027386-01 Client ID: MW-1						
Arsenic, Total	ND	0.00054	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.00173	0.00174	mg/l	1		20
Lead, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.01010	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1387728-4 QC Sample: L2027386-01 Client ID: MW-1						
Silica, Total	13.2	13.0	mg/l	2		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1387728-4 QC Sample: L2027386-01 Client ID: MW-1						
Hardness	140	136	mg/l	3		20

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2027386-01A	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-01B	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-01C	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-01D	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		CR-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),AS-6020T(180),SO-TI(180),CD-6020T(180),HARDT(180)
L2027386-01E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-01F	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-02A	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-02B	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-02C	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-02D	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		CR-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),SO-TI(180),AS-6020T(180),CD-6020T(180),HARDT(180)
L2027386-02E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-02F	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-03A	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-03B	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-03C	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-03D	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		CR-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),SO-TI(180),AS-6020T(180),CD-6020T(180),HARDT(180)
L2027386-03E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-03F	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-04A	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-04B	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)

Project Name: WAYLAND HIGH SCHOOL**Lab Number:** L2027386**Project Number:** ENG20-0296**Report Date:** 07/07/20**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2027386-04C	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-04D	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		CR-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),SO-TI(180),AS-6020T(180),CD-6020T(180),HARDT(180)
L2027386-04E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-04F	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-05A	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-05B	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-05C	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-05D	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		CR-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),AS-6020T(180),SO-TI(180),CD-6020T(180),HARDT(180)
L2027386-05E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-05F	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-06A	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-06B	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-06C	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-06D	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		CR-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),AS-6020T(180),SO-TI(180),CD-6020T(180),HARDT(180)
L2027386-06E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-06F	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-07A	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-07B	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-07C	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-07D	Plastic 250ml HNO3 preserved	A	<2	<2	3.6	Y	Absent		CR-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),AS-6020T(180),SO-TI(180),CD-6020T(180),HARDT(180)
L2027386-07E	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-07F	Amber 250ml unpreserved	A	7	7	3.6	Y	Absent		8270TCL-LVI(7)
L2027386-08A	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)
L2027386-08B	Vial HCl preserved	A	NA		3.6	Y	Absent		8260(14)

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report



Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

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

Terms

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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

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

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

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e., co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report



Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

Data Qualifiers

than 5x the RL. (Metals only.)

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: WAYLAND HIGH SCHOOL
Project Number: ENG20-0296

Lab Number: L2027386
Report Date: 07/07/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 17

Department: **Quality Assurance**

Published Date: 4/28/2020 9:42:21 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

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

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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



CHAIN OF CUSTODY

PAGE 1 OF 1

8 Walkup Drive
Westboro, MA 01581
Tel: 508-898-9220

320 Forbes Blvd
Mansfield, MA 02048
Tel: 508-822-9300

Project Information

Project Name: Wayland High SchoolProject Location: Wayland MAProject #: ENG20-0296

Project Manager:

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due:

Date Rec'd in Lab: 6/29/20

Report Information - Data Deliverables

☐ ADEX ☒ EMAIL
ALPHA Job #: 2027386

Billing Information

☐ Same as Client info PO #:

Client Information

Client: Nestor Sampson Inc.Address: 55 Walkers Brook DriveSuite 100, Reading, MAPhone: 978-5322-1900Email: machinnk@wseinc.comgatchallj@wseinc.com

Additional Project Information:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & TPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State / Fed Program Criteria

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials	VOC:	SVOC:	METAL	METAL	EPH: <input type="checkbox"/>	VPH: <input type="checkbox"/>	<input type="checkbox"/> PCB	TPH: <input type="checkbox"/>	Cr, A							Sample Comments	FILES
		Date	Time																			
27386-01	MW-1	6/28/20	1020	DW	JAG	x	x							x								6
02	MW-5		0940	↓																		6
03	Discharge Pipe		1000	Shimmer																		6
04	Cleanout 1		1125																			6
05	Cleanout 2		1150																			6
06	Cleanout 3		1215																			6
07	Cleanout 4		1100	↓	↓		↓							↓								6
08	TB-01	↓	-			↓																2

Container Type

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

Preservative

A= None
 B= HCl
 C= HNO₃
 D= H₂SO₄
 E= NaOH
 F= MeOH
 G= NaHSO₄
 H= Na₂S₂O₃
 I= Ascorbic Acid
 J= NH₄Cl
 K= Zn Acetate
 O= Other

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

All samples submitted are subject to
 Alpha's Terms and Conditions.
 See reverse side.

FORM NO: 01-01 (rev. 12-Mar-2012)