

March 26, 2021

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  
**May 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 May 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 May 27<sup>th</sup>, 2020 to collect water quality results for the month of May. 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 May 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 (0.00136 mg/l), Silica (8.69 mg/l), and Hardness (109 mg/l). Benzene, Styrene, Arsenic, Cadmium, Chromium, Lead, Zinc, and all SVOC's were not detected. **All detections are below Method 1- GW-3 Standards.**

The compounds detected at **MW-5** were Arsenic (0.00351 mg/l), Chromium (0.00629 mg/l), Copper (0.00696 mg/l), Lead (0.00223 mg/l), Silica (25.4 mg/l), Zinc (0.01958 mg/l), and Hardness (242 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 (0.00202 mg/l), Lead (0.00109 mg/l), Silica (5.13 mg/l), Zinc (0.03025 mg/l), and Hardness (106 mg/l). Benzene, Arsenic, Styrene, Cadmium, Chromium, 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 (0.00103 mg/l), Copper (0.00236 mg/l), Silica (2.28 mg/l), Zinc (0.05993 mg/l), and Hardness (33.0 mg/l). Benzene, Styrene, 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 2** were Styrene (0.0043 mg/l), Arsenic (0.00094 mg/l), Copper (0.00165 mg/l), Silica (2.73 mg/l), Zinc (0.18930 mg/l), and Hardness (56.3 mg/l). Benzene, 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 3** were Arsenic (0.00221 mg/l), Copper (0.00595 mg/l), Silica (5.04 mg/l), Zinc (0.1289 mg/l), and Hardness (56.9 mg/l). Benzene, Styrene, 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 4** were Arsenic (0.00228 mg/l), Copper (0.00356 mg/l), Silica (4.93 mg/l), Zinc (0.08808 mg/l), and Hardness (49.0 mg/l). Benzene, Styrene, Cadmium, Chromium, Lead and all SVOC's were not detected. **All 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.



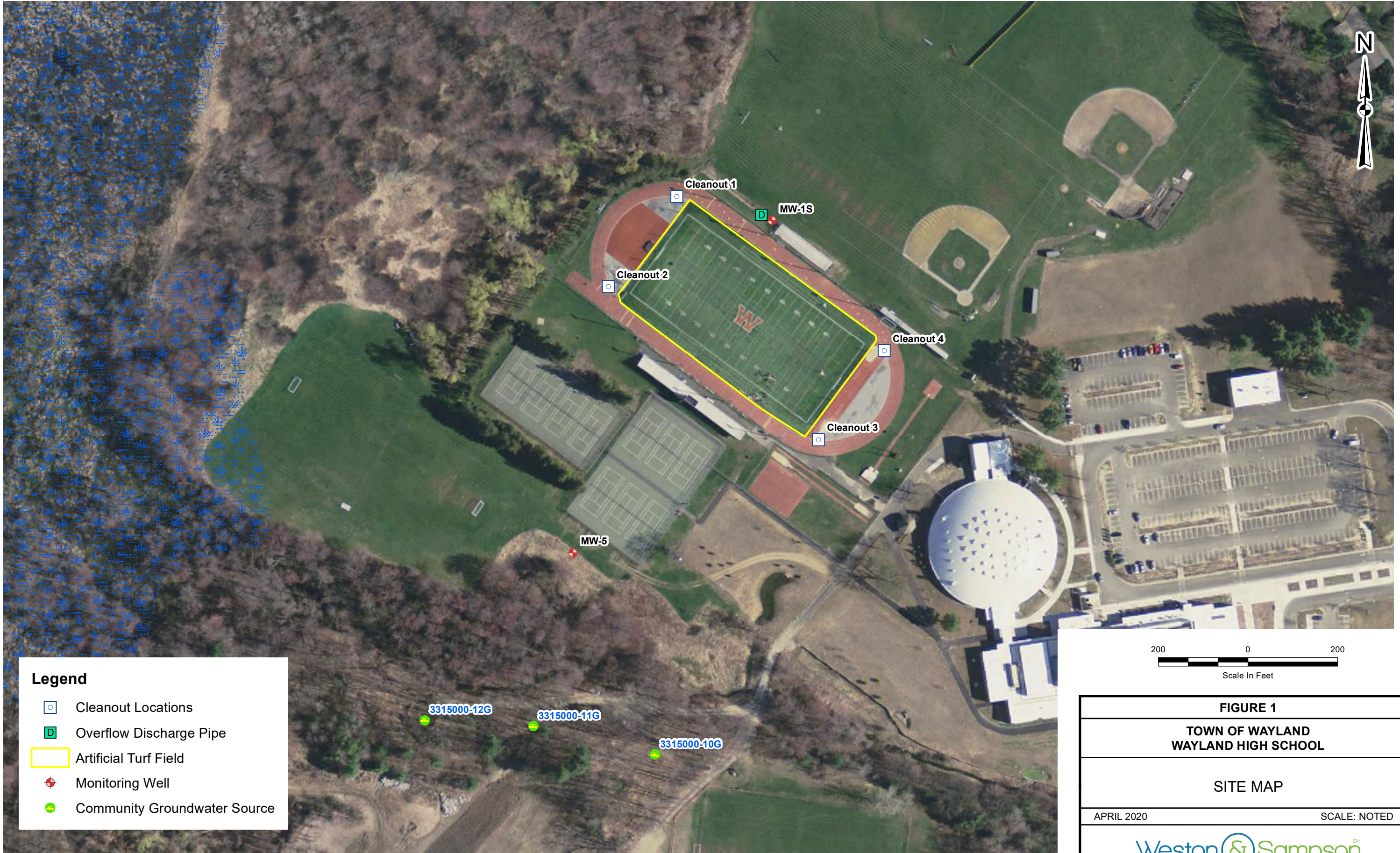
Kevin MacKinnon, P.G., C.G., PH-GW  
Senior Technical Leader, Hydrogeology

Attachments/Enclosures






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

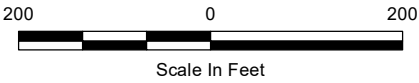
cc: Ben Keefe, Town of Wayland Facilities Director  
Brandon Kunkel, Weston & Sampson


## Figures



**Legend**

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



<b>FIGURE 1</b>	
<b>TOWN OF WAYLAND WAYLAND HIGH SCHOOL</b>	
<b>SITE MAP</b>	
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) <sup>1</sup>	mg/l	0.01	0.01	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	0.047	ND	0.083	0.12	0.04	114	0.13	155	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/30/19	0.02304	0.00022	0.02742	0.06543	0.01972	48.2	0.04325	127	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/28/20	0.00195	ND	0.0025	0.00646	0.00196	12.5	ND	82.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	0.00699	ND	0.01043	0.05741	0.00677	27.6	0.03923	121	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	0.00131	ND	10.5	ND	111	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	0.00136	ND	8.69	ND	109	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	0.051	ND	0.048	0.16	0.056	98.4	0.15	301	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/30/19	0.009	ND	0.01103	0.02287	0.00753	33.6	0.028	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/28/20	0.00404	ND	0.00374	0.00978	0.00479	50	0.01518	276	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	0.00249	ND	0.00393	0.00563	0.00216	29	ND	254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	0.02023	0.00031	0.02520	0.04852	0.01720	55.3	0.056	280	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	0.00351	ND	0.00629	0.00696	0.00223	25.4	0.01958	242	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	0.00298	ND	0.043	0.00856	0.01175	7.8	0.2596	72.8	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	5.29	ND	104	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	5.01	0.02353	104	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	0.00137	ND	5.46	ND	104	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	0.00202	0.00109	5.13	0.03025	106	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	0.00135	ND	ND	0.00122	ND	2.6	0.01807	31.4	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
	04/22/20	0.0005	ND	ND	ND	ND	1.35	0.02697	18.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	0.00103	ND	ND	0.00236	ND	2.28	0.05993	33	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	0.00085	ND	ND	ND	ND	1.76	ND	21.3	ND	0.0032	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	0.00068	ND	ND	ND	ND	1.45	0.0195	17.4	ND	0.0021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	0.00070	ND	ND	ND	ND	1.64	0.03587	20.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	0.00094	ND	ND	0.00165	ND	2.73	0.1893	56.3	ND	0.0043	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	0.00108	ND	ND	ND	ND	2.33	ND	23.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	0.00221	ND	ND	0.00595	ND	5.04	0.1289	56.9	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	0.00171	ND	ND	0.00224	ND	3.68	0.01728	35.6	ND	0.0034	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/26/20	0.00114	ND	0.00144	ND	ND	2.81	0.07212	32.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/22/20	0.00122	ND	ND	ND	ND	2.97	ND	28.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	05/27/20	0.00228	ND	ND	0.00356	ND	4.93	0.08808	49.0	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 Compounds																													
		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(ghi)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) <sup>1</sup>	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	
	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	
	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	
	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	
	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	
	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	
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	
	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	
	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	
	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	
	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	
	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	
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	
	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	
	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	
	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	
	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	
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	
	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	
	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	
	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	
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	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	
	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	
	05/27/20	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

[illegible]

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:	L2021754
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:	06/03/20

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2021754-01	MW-1	WATER	WAYLAND, MA	05/27/20 10:10	05/27/20
L2021754-02	MW-5	WATER	WAYLAND, MA	05/27/20 09:20	05/27/20
L2021754-03	DISCHARGE PIPE	WATER	WAYLAND, MA	05/27/20 10:20	05/27/20
L2021754-04	CLEANOUT 1	WATER	WAYLAND, MA	05/27/20 10:40	05/27/20
L2021754-05	CLEANOUT 2	WATER	WAYLAND, MA	05/27/20 11:10	05/27/20
L2021754-06	CLEANOUT 3	WATER	WAYLAND, MA	05/27/20 11:40	05/27/20
L2021754-07	CLEANOUT 4	WATER	WAYLAND, MA	05/27/20 12:10	05/27/20
L2021754-08	TB-01	WATER	WAYLAND, MA	05/27/20 00:00	05/27/20

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

### 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.

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

### Case Narrative (continued)

#### Semivolatile Organics

The WG1375442-2/-3 LCS/LCSD recoveries, associated with L2021754-01 through -07, are below the acceptance criteria for benzidine (1%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

#### Total Metals

The WG1375275-3 MS recovery for silica (70%), performed on L2021754-01, does not apply because the sample concentration is greater than four times the spike amount added.

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: *Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 06/03/20

# ORGANICS

# **VOLATILES**

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-01  
**Client ID:** MW-1  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:10  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/30/20 14:18  
**Analyst:** KJD

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	122		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	119		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-02  
**Client ID:** MW-5  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 09:20  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/30/20 14:40  
**Analyst:** KJD

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	120		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	121		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-03  
**Client ID:** DISCHARGE PIPE  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:20  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/30/20 15:02  
**Analyst:** KJD

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	121		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	123		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-04  
**Client ID:** CLEANOUT 1  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:40  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/30/20 15:24  
**Analyst:** KJD

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	113		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	118		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-05  
**Client ID:** CLEANOUT 2  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 11:10  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/30/20 15:46  
**Analyst:** KJD

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

Benzene	ND		ug/l	0.50	--	1
Styrene	43		ug/l	1.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	119		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-06  
**Client ID:** CLEANOUT 3  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 11:40  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/30/20 16:08  
**Analyst:** KJD

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	113		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	118		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-07  
**Client ID:** CLEANOUT 4  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 12:10  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/30/20 16:30  
**Analyst:** KJD

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	119		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	126		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-08  
**Client ID:** TB-01  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 00:00  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8260C  
**Analytical Date:** 05/29/20 14:42  
**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	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/29/20 07:45  
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1376262-5					
Benzene	ND		ug/l	0.50	--
Styrene	ND		ug/l	1.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
 Analytical Date: 05/30/20 08:48  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1376297-5					
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	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** WAYLAND HIGH SCHOOL

**Project Number:** ENG20-0296

**Lab Number:** L2021754

**Report Date:** 06/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1376262-3 WG1376262-4								
Benzene	110		110		70-130	0		25
Styrene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	95		97		70-130
4-Bromofluorobenzene	94		97		70-130
Dibromofluoromethane	108		107		70-130

**Lab Control Sample Analysis****Batch Quality Control****Project Name:** WAYLAND HIGH SCHOOL**Project Number:** ENG20-0296**Lab Number:** L2021754**Report Date:** 06/03/20

<b>Parameter</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>%Recovery Limits</b>	<b>RPD</b>	<b>Qual</b>	<b>RPD Limits</b>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1376297-3 WG1376297-4								
Benzene	97		97		70-130	0		25
Styrene	90		90		70-130	0		20

<b>Surrogate</b>	<b>LCS %Recovery</b>	<b>Qual</b>	<b>LCSD %Recovery</b>	<b>Qual</b>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	98		101		70-130
Toluene-d8	98		94		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	106		106		70-130

# SEMIVOLATILES

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-01  
**Client ID:** MW-1  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:10  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/03/20 10:58  
**Analyst:** WR

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/29/20 07:46

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:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS****Lab ID:** L2021754-01**Date Collected:** 05/27/20 10:10**Client ID:** MW-1**Date Received:** 05/27/20**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:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-01  
**Client ID:** MW-1  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:10  
**Date Received:** 05/27/20  
**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	42		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	60		41-149

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-02  
**Client ID:** MW-5  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 09:20  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/03/20 11:22  
**Analyst:** WR

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/29/20 07:46

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:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

**Lab ID:** L2021754-02  
**Client ID:** MW-5  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 09:20  
**Date Received:** 05/27/20  
**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:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-02  
**Client ID:** MW-5  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 09:20  
**Date Received:** 05/27/20  
**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	49		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	68		41-149

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-03  
**Client ID:** DISCHARGE PIPE  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:20  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/03/20 11:46  
**Analyst:** WR

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/29/20 07:46

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:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

**Lab ID:** L2021754-03  
**Client ID:** DISCHARGE PIPE  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:20  
**Date Received:** 05/27/20  
**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:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-03  
**Client ID:** DISCHARGE PIPE  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:20  
**Date Received:** 05/27/20  
**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	53		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	77		41-149

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-04  
**Client ID:** CLEANOUT 1  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:40  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/03/20 12:11  
**Analyst:** WR

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/29/20 07:46

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:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

**Lab ID:** L2021754-04  
**Client ID:** CLEANOUT 1  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:40  
**Date Received:** 05/27/20  
**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:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-04  
**Client ID:** CLEANOUT 1  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 10:40  
**Date Received:** 05/27/20  
**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	51		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	76		41-149

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-05  
**Client ID:** CLEANOUT 2  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 11:10  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/03/20 12:35  
**Analyst:** SZ

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/29/20 07:46

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:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

**Lab ID:** L2021754-05  
**Client ID:** CLEANOUT 2  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 11:10  
**Date Received:** 05/27/20  
**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:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-05  
**Client ID:** CLEANOUT 2  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 11:10  
**Date Received:** 05/27/20  
**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	52		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	67		41-149

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-06  
**Client ID:** CLEANOUT 3  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 11:40  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 06/03/20 12:59  
**Analyst:** SZ

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/29/20 07:46

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:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

**Lab ID:** L2021754-06  
**Client ID:** CLEANOUT 3  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 11:40  
**Date Received:** 05/27/20  
**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:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-06  
**Client ID:** CLEANOUT 3  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 11:40  
**Date Received:** 05/27/20  
**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	49		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	61		41-149

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-07  
**Client ID:** CLEANOUT 4  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 12:10  
**Date Received:** 05/27/20  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 1,8270D  
**Analytical Date:** 05/30/20 13:04  
**Analyst:** JG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/29/20 07:46

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:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

**Lab ID:** L2021754-07  
**Client ID:** CLEANOUT 4  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 12:10  
**Date Received:** 05/27/20  
**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:** L2021754  
**Report Date:** 06/03/20

**SAMPLE RESULTS**

**Lab ID:** L2021754-07  
**Client ID:** CLEANOUT 4  
**Sample Location:** WAYLAND, MA

**Date Collected:** 05/27/20 12:10  
**Date Received:** 05/27/20  
**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	53		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	79		41-149

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/29/20 13:12  
**Analyst:** JG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/28/20 18:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1375442-1					
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:** L2021754  
**Report Date:** 06/03/20

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/29/20 13:12  
**Analyst:** JG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/28/20 18:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1375442-1					
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:** L2021754  
**Report Date:** 06/03/20

### Method Blank Analysis Batch Quality Control

**Analytical Method:** 1,8270D  
**Analytical Date:** 05/29/20 13:12  
**Analyst:** JG

**Extraction Method:** EPA 3510C  
**Extraction Date:** 05/28/20 18:20

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1375442-1					
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	36		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	49		15-120
2,4,6-Tribromophenol	39		10-120
4-Terphenyl-d14	50		41-149

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** WAYLAND HIGH SCHOOL

**Project Number:** ENG20-0296

**Lab Number:** L2021754

**Report Date:** 06/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1375442-2 WG1375442-3								
Acenaphthene	77		76		37-111	1		30
Benzidine	1	Q	0	Q	10-75	NC		30
1,2,4-Trichlorobenzene	76		71		39-98	7		30
Hexachlorobenzene	78		76		40-140	3		30
Bis(2-chloroethyl)ether	84		77		40-140	9		30
2-Chloronaphthalene	76		75		40-140	1		30
1,2-Dichlorobenzene	77		69		40-140	11		30
1,3-Dichlorobenzene	71		64		40-140	10		30
1,4-Dichlorobenzene	74		64		36-97	14		30
3,3'-Dichlorobenzidine	57		56		40-140	2		30
2,4-Dinitrotoluene	80		80		48-143	0		30
2,6-Dinitrotoluene	84		82		40-140	2		30
Azobenzene	86		85		40-140	1		30
Fluoranthene	88		89		40-140	1		30
4-Chlorophenyl phenyl ether	76		75		40-140	1		30
4-Bromophenyl phenyl ether	80		79		40-140	1		30
Bis(2-chloroisopropyl)ether	103		95		40-140	8		30
Bis(2-chloroethoxy)methane	90		86		40-140	5		30
Hexachlorobutadiene	70		66		40-140	6		30
Hexachlorocyclopentadiene	65		61		40-140	6		30
Hexachloroethane	77		70		40-140	10		30
Isophorone	94		93		40-140	1		30
Naphthalene	75		71		40-140	5		30

# **Lab Control Sample Analysis** **Batch Quality Control**

**Project Name:** WAYLAND HIGH SCHOOL

**Project Number:** ENG20-0296

**Lab Number:** L2021754

**Report Date:** 06/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1375442-2 WG1375442-3								
Nitrobenzene	83		78		40-140	6		30
NDPA/DPA	83		82		40-140	1		30
n-Nitrosodi-n-propylamine	95		92		29-132	3		30
Bis(2-ethylhexyl)phthalate	99		99		40-140	0		30
Butyl benzyl phthalate	99		97		40-140	2		30
Di-n-butylphthalate	94		96		40-140	2		30
Di-n-octylphthalate	99		101		40-140	2		30
Diethyl phthalate	88		87		40-140	1		30
Dimethyl phthalate	86		84		40-140	2		30
Benzo(a)anthracene	80		81		40-140	1		30
Benzo(a)pyrene	86		88		40-140	2		30
Benzo(b)fluoranthene	79		80		40-140	1		30
Benzo(k)fluoranthene	94		97		40-140	3		30
Chrysene	87		90		40-140	3		30
Acenaphthylene	80		79		45-123	1		30
Anthracene	87		86		40-140	1		30
Benzo(ghi)perylene	81		84		40-140	4		30
Fluorene	81		80		40-140	1		30
Phenanthrene	79		79		40-140	0		30
Dibenzo(a,h)anthracene	86		86		40-140	0		30
Indeno(1,2,3-cd)pyrene	79		81		40-140	3		30
Pyrene	83		85		26-127	2		30
Biphenyl	81		80		40-140	1		30

# **Lab Control Sample Analysis** Batch Quality Control

**Project Name:** WAYLAND HIGH SCHOOL

**Project Number:** ENG20-0296

**Lab Number:** L2021754

**Report Date:** 06/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1375442-2 WG1375442-3								
Aniline	30	Q	21	Q	40-140	35	Q	30
4-Chloroaniline	74		72		40-140	3		30
1-Methylnaphthalene	77		74		41-103	4		30
2-Nitroaniline	82		82		52-143	0		30
3-Nitroaniline	67		67		25-145	0		30
4-Nitroaniline	70		72		51-143	3		30
Dibenzofuran	75		74		40-140	1		30
2-Methylnaphthalene	75		72		40-140	4		30
n-Nitrosodimethylamine	60		58		22-74	3		30
2,4,6-Trichlorophenol	74		74		30-130	0		30
p-Chloro-m-cresol	89		86		23-97	3		30
2-Chlorophenol	81		76		27-123	6		30
2,4-Dichlorophenol	82		80		30-130	2		30
2,4-Dimethylphenol	71		55		30-130	25		30
2-Nitrophenol	79		75		30-130	5		30
4-Nitrophenol	84	Q	87	Q	10-80	4		30
2,4-Dinitrophenol	88		87		20-130	1		30
4,6-Dinitro-o-cresol	84		86		20-164	2		30
Pentachlorophenol	74		75		9-103	1		30
Phenol	59		57		12-110	3		30
2-Methylphenol	84		80		30-130	5		30
3-Methylphenol/4-Methylphenol	88		84		30-130	5		30
2,4,5-Trichlorophenol	82		82		30-130	0		30

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** WAYLAND HIGH SCHOOL

**Project Number:** ENG20-0296

**Lab Number:** L2021754

**Report Date:** 06/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1375442-2 WG1375442-3								
Benzoic Acid	76		72		10-164	5		30
Benzyl Alcohol	80		77		26-116	4		30
Carbazole	86		86		55-144	0		30
Pyridine	20		13		10-66	42	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		61		21-120
Phenol-d6	56		56		10-120
Nitrobenzene-d5	78		71		23-120
2-Fluorobiphenyl	64		66		15-120
2,4,6-Tribromophenol	72		72		10-120
4-Terphenyl-d14	82		82		41-149

## METALS

**Project Name:** WAYLAND HIGH SCHOOL**Lab Number:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

Lab ID: L2021754-01

Date Collected: 05/27/20 10:10

Client ID: MW-1

Date Received: 05/27/20

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	05/29/20 03:00	06/03/20 11:31	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	05/29/20 03:00	06/03/20 11:31	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:31	EPA 3005A	1,6020B	AM
Copper, Total	0.00136		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:31	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:31	EPA 3005A	1,6020B	AM
Silica, Total	8.69		mg/l	0.500	--	1	05/29/20 03:00	06/02/20 11:21	EPA 3005A	1,6010D	LC
Zinc, Total	ND		mg/l	0.01000	--	1	05/29/20 03:00	06/03/20 11:31	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	109		mg/l	0.660	NA	1	05/29/20 03:00	06/02/20 11:21	EPA 3005A	1,6010D	LC



**Project Name:** WAYLAND HIGH SCHOOL**Lab Number:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

Lab ID: L2021754-02

Date Collected: 05/27/20 09:20

Client ID: MW-5

Date Received: 05/27/20

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
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.00351		mg/l	0.00050	--	1	05/29/20 03:00	06/03/20 11:36	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	05/29/20 03:00	06/03/20 11:36	EPA 3005A	1,6020B	AM
Chromium, Total	0.00629		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:36	EPA 3005A	1,6020B	AM
Copper, Total	0.00696		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:36	EPA 3005A	1,6020B	AM
Lead, Total	0.00223		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:36	EPA 3005A	1,6020B	AM
Silica, Total	25.4		mg/l	0.500	--	1	05/29/20 03:00	06/02/20 12:02	EPA 3005A	1,6010D	LC
Zinc, Total	0.01958		mg/l	0.01000	--	1	05/29/20 03:00	06/03/20 11:36	EPA 3005A	1,6020B	AM
<b>Total Hardness by SM 2340B - Mansfield Lab</b>											
Hardness	242		mg/l	0.660	NA	1	05/29/20 03:00	06/02/20 12:02	EPA 3005A	1,6010D	LC



**Project Name:** WAYLAND HIGH SCHOOL**Lab Number:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

Lab ID: L2021754-03

Date Collected: 05/27/20 10:20

Client ID: DISCHARGE PIPE

Date Received: 05/27/20

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	05/29/20 03:00	06/03/20 11:41	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	05/29/20 03:00	06/03/20 11:41	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:41	EPA 3005A	1,6020B	AM
Copper, Total	0.00202		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:41	EPA 3005A	1,6020B	AM
Lead, Total	0.00109		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:41	EPA 3005A	1,6020B	AM
Silica, Total	5.13		mg/l	0.500	--	1	05/29/20 03:00	06/02/20 12:06	EPA 3005A	1,6010D	LC
Zinc, Total	0.03025		mg/l	0.01000	--	1	05/29/20 03:00	06/03/20 11:41	EPA 3005A	1,6020B	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	106		mg/l	0.660	NA	1	05/29/20 03:00	06/02/20 12:06	EPA 3005A	1,6010D	LC



**Project Name:** WAYLAND HIGH SCHOOL**Lab Number:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

Lab ID: L2021754-04

Date Collected: 05/27/20 10:40

Client ID: CLEANOUT 1

Date Received: 05/27/20

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
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.00103		mg/l	0.00050	--	1	05/29/20 03:00	06/03/20 11:46	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	05/29/20 03:00	06/03/20 11:46	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:46	EPA 3005A	1,6020B	AM
Copper, Total	0.00236		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:46	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:46	EPA 3005A	1,6020B	AM
Silica, Total	2.28		mg/l	0.500	--	1	05/29/20 03:00	06/02/20 12:11	EPA 3005A	1,6010D	LC
Zinc, Total	0.05993		mg/l	0.01000	--	1	05/29/20 03:00	06/03/20 11:46	EPA 3005A	1,6020B	AM
<b>Total Hardness by SM 2340B - Mansfield Lab</b>											
Hardness	33.0		mg/l	0.660	NA	1	05/29/20 03:00	06/02/20 12:11	EPA 3005A	1,6010D	LC



**Project Name:** WAYLAND HIGH SCHOOL**Lab Number:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

Lab ID: L2021754-05

Date Collected: 05/27/20 11:10

Client ID: CLEANOUT 2

Date Received: 05/27/20

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
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.00094		mg/l	0.00050	--	1	05/29/20 03:00	06/03/20 13:35	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	05/29/20 03:00	06/03/20 13:35	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:35	EPA 3005A	1,6020B	AM
Copper, Total	0.00165		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:35	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:35	EPA 3005A	1,6020B	AM
Silica, Total	2.73		mg/l	0.500	--	1	05/29/20 03:00	06/02/20 12:16	EPA 3005A	1,6010D	LC
Zinc, Total	0.1893		mg/l	0.01000	--	1	05/29/20 03:00	06/03/20 13:35	EPA 3005A	1,6020B	AM
<b>Total Hardness by SM 2340B - Mansfield Lab</b>											
Hardness	56.3		mg/l	0.660	NA	1	05/29/20 03:00	06/02/20 12:16	EPA 3005A	1,6010D	LC



**Project Name:** WAYLAND HIGH SCHOOL**Lab Number:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

Lab ID: L2021754-06

Date Collected: 05/27/20 11:40

Client ID: CLEANOUT 3

Date Received: 05/27/20

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
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.00221		mg/l	0.00050	--	1	05/29/20 03:00	06/03/20 13:40	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	05/29/20 03:00	06/03/20 13:40	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:40	EPA 3005A	1,6020B	AM
Copper, Total	0.00595		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:40	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:40	EPA 3005A	1,6020B	AM
Silica, Total	5.04		mg/l	0.500	--	1	05/29/20 03:00	06/02/20 12:20	EPA 3005A	1,6010D	LC
Zinc, Total	0.1289		mg/l	0.01000	--	1	05/29/20 03:00	06/03/20 13:40	EPA 3005A	1,6020B	AM
<b>Total Hardness by SM 2340B - Mansfield Lab</b>											
Hardness	56.9		mg/l	0.660	NA	1	05/29/20 03:00	06/02/20 12:20	EPA 3005A	1,6010D	LC



**Project Name:** WAYLAND HIGH SCHOOL**Lab Number:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**SAMPLE RESULTS**

Lab ID: L2021754-07

Date Collected: 05/27/20 12:10

Client ID: CLEANOUT 4

Date Received: 05/27/20

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
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.00228		mg/l	0.00050	--	1	05/29/20 03:00	06/03/20 13:46	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	05/29/20 03:00	06/03/20 13:46	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:46	EPA 3005A	1,6020B	AM
Copper, Total	0.00356		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:46	EPA 3005A	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 13:46	EPA 3005A	1,6020B	AM
Silica, Total	4.93		mg/l	0.500	--	1	05/29/20 03:00	06/02/20 12:25	EPA 3005A	1,6010D	LC
Zinc, Total	0.08808		mg/l	0.01000	--	1	05/29/20 03:00	06/03/20 13:46	EPA 3005A	1,6020B	AM
<b>Total Hardness by SM 2340B - Mansfield Lab</b>											
Hardness	49.0		mg/l	0.660	NA	1	05/29/20 03:00	06/02/20 12:25	EPA 3005A	1,6010D	LC



Project Name: WAYLAND HIGH SCHOOL

Lab Number: L2021754

Project Number: ENG20-0296

Report Date: 06/03/20

## 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: WG1375275-1										
Silica, Total	ND		mg/l	0.500	--	1	05/29/20 03:00	06/02/20 11:07	1,6010D	LC

### 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: WG1375275-1										
Hardness	ND		mg/l	0.660	NA	1	05/29/20 03:00	06/02/20 11:07	1,6010D	LC

### 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: WG1375277-1										
Arsenic, Total	ND		mg/l	0.00050	--	1	05/29/20 03:00	06/03/20 11:06	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	05/29/20 03:00	06/03/20 11:06	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:06	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:06	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	05/29/20 03:00	06/03/20 11:06	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	--	1	05/29/20 03:00	06/03/20 11:06	1,6020B	AM

### Prep Information

Digestion Method: EPA 3005A

## Lab Control Sample Analysis

### Batch Quality Control

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1375275-2								
Silica, Total	97		-		80-120	-		
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-07 Batch: WG1375275-2								
Hardness	107		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1375277-2								
Arsenic, Total	107		-		80-120	-		
Cadmium, Total	111		-		80-120	-		
Chromium, Total	105		-		80-120	-		
Copper, Total	102		-		80-120	-		
Lead, Total	110		-		80-120	-		
Zinc, Total	108		-		80-120	-		

# **Matrix Spike Analysis** **Batch Quality Control**

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

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: WG1375275-3 QC Sample: L2021754-01 Client ID: MW-1												
Silica, Total	8.69	2.14	10.2	70	Q	-	-		75-125	-		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1375275-3 QC Sample: L2021754-01 Client ID: MW-1												
Hardness	109	66.2	175	100		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1375277-3 QC Sample: L2021754-01 Client ID: MW-1												
Arsenic, Total	ND	0.12	0.1277	106		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.05704	112		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.2091	104		-	-		75-125	-		20
Copper, Total	0.00136	0.25	0.2543	101		-	-		75-125	-		20
Lead, Total	ND	0.51	0.5662	111		-	-		75-125	-		20
Zinc, Total	ND	0.5	0.5388	108		-	-		75-125	-		20

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

**Lab Duplicate Analysis**  
*Batch Quality Control*

**Lab Number:** L2021754  
**Report Date:** 06/03/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1375275-4 QC Sample: L2021754-01 Client ID: MW-1						
Silica, Total	8.69	8.57	mg/l	1		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1375275-4 QC Sample: L2021754-01 Client ID: MW-1						
Hardness	109	107	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1375277-4 QC Sample: L2021754-01 Client ID: MW-1						
Arsenic, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.00136	0.00134	mg/l	1		20
Lead, Total	ND	ND	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20

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

Serial\_No:06032015:14  
**Lab Number:** L2021754  
**Report Date:** 06/03/20

### 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(*)
L2021754-01A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-01B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-01C	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-01D	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-01E	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-01F	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	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)
L2021754-02A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-02B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-02C	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-02D	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-02E	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-02F	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	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)
L2021754-03A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-03B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-03C	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-03D	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-03E	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-03F	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	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)
L2021754-04A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-04B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)

**Project Name:** WAYLAND HIGH SCHOOL**Lab Number:** L2021754**Project Number:** ENG20-0296**Report Date:** 06/03/20**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2021754-04D	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-04E	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	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)
L2021754-05A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-05B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-05C	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-05D	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-05E	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-05F	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	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)
L2021754-06A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-06B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-06C	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-06D	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	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)
L2021754-07A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-07B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-07C	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-07D	Amber 250ml unpreserved	A	7	7	4.0	Y	Absent		8270TCL-LVI(7)
L2021754-07E	Plastic 250ml HNO3 preserved	A	<2	<2	4.0	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)
L2021754-08A	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)
L2021754-08B	Vial HCl preserved	A	NA		4.0	Y	Absent		8260(14)

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

**Lab Number:** L2021754  
**Report Date:** 06/03/20

## 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  
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**Lab Number:** L2021754  
**Report Date:** 06/03/20

- 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:** L2021754  
**Report Date:** 06/03/20

**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:** L2021754  
**Report Date:** 06/03/20

## REFERENCES

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

## LIMITATION OF LIABILITIES

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

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



**Alpha Analytical, Inc.**Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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

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**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, NO<sub>2</sub>, NO<sub>3</sub>.**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

## Client Information

Client: WESTON & SOMPSON INC.

Address: 55 Walkers Brook Dr.

Suite 100, Reading MA

Phone: 978-5322-1900

Email: mackinnk@wseinc.com  
getchenj@wseinc.com

## Additional Project Information:

Filled bottles for cleanup 1, 2 and 4  
until location went dry. Not able to fill all  
bottles completely.

## Project Information

Project Name: Wayland High School

Project Location: Wayland, MA

Project #: ENG-20-0296

Project Manager:

ALPHA Quote #:

## Turn-Around Time

☒ Standard

☐ RUSH (only confirmed if pre-approved)

Date Due:

Date Rec'd in Lab: 5/27/20

ALPHA Job #: L2021754

## Report Information - Data Deliverables

☐ ADEx

☒ EMAIL

☐ Same as Client info

PO #:

## 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 & EPH with Targets)

☐ Yes ☐ No NPDES RGP

☐ Other State /Fed Program

Criteria

ANALYSIS		SAMPLE INFO		TOTAL # BOTTLES
VOC:	SVOC:	Filtration	Preservation	
<input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> 524.2 <input type="checkbox"/> PAH	<input checked="" type="checkbox"/> ABN <input type="checkbox"/> MCP 13 <input type="checkbox"/> MCP 14 <input type="checkbox"/> RCP 15	<input type="checkbox"/> Field	<input type="checkbox"/> Lab to do	
<input type="checkbox"/> METALS: <input type="checkbox"/> RCRA5 <input type="checkbox"/> RCRA8	<input type="checkbox"/> EPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> Lab to do		
<input type="checkbox"/> VPH: <input type="checkbox"/> Ranges & Targets <input type="checkbox"/> Ranges Only	<input type="checkbox"/> PCB <input type="checkbox"/> PEST			
<input type="checkbox"/> TPH: <input type="checkbox"/> Quant Only <input type="checkbox"/> Fingerprint	<input type="checkbox"/> Cr, As, Cd, Cu, Pb, Zn, SO <sub>4</sub> + Heavy Metals			
Sample Comments				

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler Initials											Preservation <input type="checkbox"/> Lab to do																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Date	Time			VOC: <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	SVOC: <input checked="" type="checkbox"/>	METALS: <input checked="" type="checkbox"/>	METALS: <input checked="" type="checkbox"/>	EPH: <input checked="" type="checkbox"/> Rain	VPH: <input type="checkbox"/> Rain	<input type="checkbox"/> PCB	<input type="checkbox"/> TPH	<input type="checkbox"/> Qual																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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## 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= HNO<sub>3</sub>  
D= H<sub>2</sub>SO<sub>4</sub>  
E= NaOH  
F= MeOH  
G= NaHSO<sub>4</sub>  
H= Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>  
I= Ascorbic Acid  
J= NH<sub>4</sub>Cl  
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)