July 7, 2017 Our Ref.: 993-6861

US Environmental Protection Agency
Office of Ecosystem Protection
EPA/OEP RGP Applications Coordinator
5 Post Office Square – Suite 100 (OEP06-01)
Boston, MA 02109-3912

RE: NOTICE OF INTENT FOR THE REMEDIATION GENERAL PERMIT
229-231 NORTH MAIN STREET/31 RUTLEDGE ROAD
NATICK, MASSACHUSETTS 01760

To whom it may concern:

Golder Associates Inc (Golder) is submitting this Notice of Intent (NOI) for a Remediation General Permit (RGP) on behalf of the 229 Main Street Limited Partnership (MSLP) for the groundwater recovery and treatment system (GRTS) at the property referenced above.

Please contact Ross Bennett at (603) 668-0880 if you have any questions regarding this submittal.

Sincerely,

GOLDER ASSOCIATES INC.

Ross W. Bennett, PE
Project Engineer

Alistair P. T. Macdonald, CPG, LSP
Program Leader and Principal

cc: C. Kirsch – MSLP
R. Sattler – PB&L
Town of Natick – Health Department
MassDEP – Division of Watershed Management

Attachments: RGP NOI

Golder Associates Inc.
670 N. Commercial Street, Suite 103
Manchester, NH 03101 USA
Tel: (603) 668-0880 Fax: (603) 668-1199 www.golder.com

Attachments:

Figure 1	Property Location Map
Figure 2	System Location Plan
Figure 3	Ground Water Recovery and Treatment System Schematic
Appendix A	Water Quality Based Effluent Limitations Calculations
Appendix B	Receiving Water Analytical Results Summary
Appendix C	Endangered Species Act Eligibility Determination Supplemental Information
Appendix D	National Historic Preservation Act Eligibility Determination Supplemental Information
Appendix E	Analytical Data

February 5, 2018

Our Ref.: 993-6861

US Environmental Protection Agency
Office of Ecosystem Protection
EPA/OEP RGP Applications Coordinator
5 Post Office Square – Suite 100 (OEP06-01)
Boston, MA 02109-3912

RE: REVISED NOTICE OF INTENT FOR THE REMEDIATION GENERAL PERMIT
229-231 NORTH MAIN STREET/31 RUTLEDGE ROAD
NATICK, MASSACHUSETTS 01760

To whom it may concern:

Golder Associates Inc (Golder) is submitting this revised Notice of Intent (NOI) form on behalf of the 229 Main Street Limited Partnership (MSLP) for the groundwater recovery and treatment system (GRTS) at the property referenced above. These revisions to the NOI addresses changes requested in an email received from USEPA on January 4, 2018, including minor edits to Parts B.1., D.3., and D.4.

In the aforementioned email, USEPA noted that the following parameters are included in the NOI as 'believed absent' despite their inclusion in the current permit for the Site:

Benzene
Carbon Tetrachloride
1,2 Dichloroethane
1,1 Dichloroethene
Methylene Chloride
1,1,2 Trichloroethane
Vinyl Chloride

Golder has reviewed historical groundwater analytical results for the Site from August 2009 through December 2017, and with the exception of one detection of 1,1 Dichloroethene on December 2, 2015, none of the above compounds were detected in groundwater during this timeframe. Therefore, with the exception of 1,1 Dichloroethene, the aforementioned compounds are listed as 'believed absent' on the revised NOI. Golder contacted Shauna Little of USEPA on January 25, 2018 and confirmed this reasoning.

Please contact Brian Campelia at (603) 668-0880 if you have any questions regarding this submittal.

Sincerely,

GOLDER ASSOCIATES INC.

Ross Bennett, PE
Senior Engineer

Alistair P. T. Macdonald, CPG, LSP
Program Leader and Principal

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Golder Associates Inc.
670 N. Commercial Street, Suite 103
Manchester, NH 03101 USA
Tel: (603) 668-0880 Fax: (603) 668-1199 www.golder.com

cc: C. Kirsch – MSLP
Town of Natick – Health Department
MassDEP – Division of Watershed Management

Attachments: Revised RGP NOI

II. Suggested Format for the Remediation General Permit Notice of Intent (NOI)

A. General site information:

<table>
<tr><td rowspan="2">1. Name of site:
Clean Corp</td><td colspan="3">Site address:
Street: 229-231 North Main Street</td></tr>
<tr><td>City: Natick</td><td>State: MA</td><td>Zip: 01760</td></tr>
<tr><td rowspan="4">2. Site owner
229 Main Street Limited Partnership

Owner is (check one): ☐ Federal ☐ State/Tribal ■ Private
☐ Other; if so, specify:</td><td colspan="3">Contact Person: 229 Main Street Limited Partnership</td></tr>
<tr><td colspan="2">Telephone: 508-795-7997</td><td>Email: ashlee6@me.com</td></tr>
<tr><td colspan="3">Mailing address:
Street: 6 Old Lantern Circle</td></tr>
<tr><td>City: Paxton</td><td>State: MA</td><td>Zip: 01612</td></tr>
<tr><td rowspan="4">3. Site operator, if different than owner
Golder Associates, Inc.</td><td colspan="3">Contact Person: Ross Bennett, PE, Senior Engineer</td></tr>
<tr><td colspan="2">Telephone: 603-668-0880</td><td>Email: rbennett@golder.com</td></tr>
<tr><td colspan="3">Mailing address:
Street: 670 North Commercial Street, Suite 103</td></tr>
<tr><td>City: Manchester</td><td>State: NH</td><td>Zip: 03101</td></tr>
<tr><td>4. NPDES permit number assigned by EPA:
99-036

NPDES permit is (check all that apply: ■ RGP ☐ DGP ☐ CGP
☐ MSGP ☐ Individual NPDES permit ☐ Other; if so, specify:</td><td colspan="3">5. Other regulatory program(s) that apply to the site (check all that apply):
■ MA Chapter 21e; list RTN(s):
RTN 3-3672
☐ NH Groundwater Management Permit or Groundwater Release Detection Permit:
☐ CERCLA
☐ UIC Program
☐ POTW Pretreatment
☐ CWA Section 404</td></tr>
</table>

B. Receiving water information:

1. Name of receiving water(s):	Waterbody identification of receiving water(s):	Classification of receiving water(s):
Megonko Brook (tributary to Lake Cochituate)	None, the closest is Lake Cochituate (MA82125)	Class B

Receiving water is (check any that apply): ☐ Outstanding Resource Water ☐ Ocean Sanctuary ☐ territorial sea ☐ Wild and Scenic River

2. Has the operator attached a location map in accordance with the instructions in B, above? (check one): ■ Yes ☐ No

Are sensitive receptors present near the site? (check one): ☐ Yes ■ No
If yes, specify:

3. Indicate if the receiving water(s) is listed in the State's Integrated List of Waters (i.e., CWA Section 303(d)). Include which designated uses are impaired, and any pollutants indicated. Also, indicate if a final TMDL is available for any of the indicated pollutants. For more information, contact the appropriate State as noted in Part 4.6 of the RGP. N/A

4. Indicate the seven day-ten-year low flow (7Q10) of the receiving water determined in accordance with the instructions in Appendix V for sites located in Massachusetts and Appendix VI for sites located in New Hampshire.	0.0 cfs
5. Indicate the requested dilution factor for the calculation of water quality-based effluent limitations (WQBELs) determined in accordance with the instructions in Appendix V for sites in Massachusetts and Appendix VI for sites in New Hampshire.	1

6. Has the operator received confirmation from the appropriate State for the 7Q10and dilution factor indicated? (check one): ☐ Yes ■ No
If yes, indicate date confirmation received:

7. Has the operator attached a summary of receiving water sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): ■ Yes ☐ No

C. Source water information:

1. Source water(s) is (check any that apply):

■ Contaminated groundwater Has the operator attached a summary of influent sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): ■ Yes ☐ No	☐ Contaminated surface water Has the operator attached a summary of influent sampling results as required in Part 4.2 of the RGP in accordance with the instruction in Appendix VIII? (check one): ☐ Yes ☐ No	☐ The receiving water ☐ A surface water other than the receiving water; if so, indicate waterbody:	☐ Potable water; if so, indicate municipality or origin: ☐ Other; if so, specify:

2. Source water contaminants: Tetrachloroethene, 1,1,1-Trichloroethane, Trichloroethylene, cis-1,2 Dichloroethylene	
a. For source waters that are contaminated groundwater or contaminated surface water, indicate are any contaminants present that are not included in the RGP? (check one): ☐ Yes ■ No If yes, indicate the contaminant(s) and the maximum concentration present in accordance with the instructions in Appendix VIII.	b. For a source water that is a surface water other than the receiving water, potable water or other, indicate any contaminants present at the maximum concentration in accordance with the instructions in Appendix VIII? (check one): ☐ Yes ☐ No
3. Has the source water been previously chlorinated or otherwise contains residual chlorine? (check one): ☐ Yes ■ No	

D. Discharge information

1.The discharge(s) is a(n) (check any that apply): ■ Existing discharge ☐ New discharge ☐ New source	
Outfall(s): 1	Outfall location(s): (Latitude, Longitude) (-70.36067, 42.30348)
Discharges enter the receiving water(s) via (check any that apply): ■ Direct discharge to the receiving water ☐ Indirect discharge, if so, specify: The treatment system effluent discharges, under gravity flow, to Megonko Brook. ■ A private storm sewer system ☐ A municipal storm sewer system If the discharge enters the receiving water via a private or municipal storm sewer system: Has notification been provided to the owner of this system? (check one): ■ Yes ☐ No Has the operator has received permission from the owner to use such system for discharges? (check one): ■ Yes ☐ No, if so, explain, with an estimated timeframe for obtaining permission: Has the operator attached a summary of any additional requirements the owner of this system has specified? (check one): ☐ Yes ☐ No	
Provide the expected start and end dates of discharge(s) (month/year): ongoing / undetermined Indicate if the discharge is expected to occur over a duration of: ☐ less than 12 months ■ 12 months or more ☐ is an emergency discharge	
Has the operator attached a site plan in accordance with the instructions in D, above? (check one): ■ Yes ☐ No	

<table>
<tr><td>2. Activity Category: (check all that apply)</td><td colspan="2">3. Contamination Type Category: (check all that apply)</td></tr>
<tr><td rowspan="5">☐ I – Petroleum-Related Site Remediation
■ II – Non-Petroleum-Related Site Remediation
☐ III – Contaminated Site Dewatering
☐ IV – Dewatering of Pipelines and Tanks
☐ V – Aquifer Pump Testing
☐ VI – Well Development/Rehabilitation
☐ VII – Collection Structure Dewatering/Remediation
☐ VIII – Dredge-Related Dewatering</td><td colspan="2">a. If Activity Category I or II: (check all that apply)

■ A. Inorganics
☐ B. Non-Halogenated Volatile Organic Compounds
■ C. Halogenated Volatile Organic Compounds
☐ D. Non-Halogenated Semi-Volatile Organic Compounds
☐ E. Halogenated Semi-Volatile Organic Compounds
☐ F. Fuels Parameters</td></tr>
<tr><td colspan="2">b. If Activity Category III, IV, V, VI, VII or VIII: (check either G or H)</td></tr>
<tr><td>☐ G. Sites with Known Contamination</td><td>☐ H. Sites with Unknown Contamination</td></tr>
<tr><td>c. If Category III-G, IV-G, V-G, VI-G, VII-G or VIII-G: (check all that apply)

☐ A. Inorganics
☐ B. Non-Halogenated Volatile Organic Compounds
☐ C. Halogenated Volatile Organic Compounds
☐ D. Non-Halogenated Semi-Volatile Organic Compounds
☐ E. Halogenated Semi-Volatile Organic Compounds
☐ F. Fuels Parameters</td><td>d. If Category III-H, IV-H, V-H, VI-H, VII-H or VIII-H Contamination Type Categories A through F apply</td></tr>
</table>

4. Influent and Effluent Characteristics

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
A. Inorganics									
Ammonia	✔		1	4500NH3-BH	75	-	-	Report mg/L	---
Chloride		✔	1	300.0	12,500	153,000		Report µg/l	---
Total Residual Chlorine	✔							0.2 mg/L	0.011
Total Suspended Solids	✔		24	2540D	5	-	-	30 mg/L	---
Antimony	✔							206 µg/L	640
Arsenic	✔							104 µg/L	10
Cadmium	✔							10.2 µg/L	0.4045
Chromium III	✔							323 µg/L	134.4
Chromium VI	✔							323 µg/L	11.4
Copper		✔	24	6020A	0.5	6.3	-	242 µg/L	14.8
Iron		✔	24	6020A	50	78	-	5,000 µg/L	1,000
Lead		✔	24	6020A	1.0	1.9	-	160 µg/L	6.35
Mercury	✔							0.739 µg/L	0.91
Nickel	✔							1,450 µg/L	82.5
Selenium	✔							235.8 µg/L	5.0
Silver	✔							35.1 µg/L	9.6
Zinc	✔							420 µg/L	189.7
Cyanide	✔							178 mg/L	0.0052
B. Non-Halogenated VOCs									
Total BTEX	✔		24	8260C	2	-	-	100 µg/L	---
Benzene	✔		24	8260C	1	-	-	5.0 µg/L	---
1,4 Dioxane	✔		24	8260C	500	-	-	200 µg/L	---
Acetone	✔		24	8260C	10	-	-	7.97 mg/L	---
Phenol	✔							1,080 µg/L	300

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
C. Halogenated VOCs									
Carbon Tetrachloride	✔		24	8260C	2	-	-	4.4 µg/L	1.6
1,2 Dichlorobenzene	✔		24	8260C	2	-	-	600 µg/L	---
1,3 Dichlorobenzene	✔		24	8260C	2	-	-	320 µg/L	---
1,4 Dichlorobenzene	✔		24	8260C	2	-	-	5.0 µg/L	---
Total dichlorobenzene	✔		24	8260C	2	-	-	763 µg/L in NH	---
1,1 Dichloroethane	✔		24	8260C	2	-	-	70 µg/L	---
1,2 Dichloroethane	✔		24	8260C	2	-	-	5.0 µg/L	---
1,1 Dichloroethylene		✔	24	8260C	2	-	-	3.2 µg/L	---
Ethylene Dibromide	✔		24	8260C	4	-	-	0.05 µg/L	---
Methylene Chloride	✔		24	8260C	4	-	-	4.6 µg/L	---
1,1,1 Trichloroethane		✔	24	8260C	2	22	-	200 µg/L	---
1,1,2 Trichloroethane	✔		24	8260C	2	-	-	5.0 µg/L	---
Trichloroethylene		✔	24	8260C	2	390	-	5.0 µg/L	---
Tetrachloroethylene		✔	24	8260C	2	320	-	5.0 µg/L	3.3
cis-1,2 Dichloroethylene		✔	24	8260C	2	1.2	-	70 µg/L	---
Vinyl Chloride	✔		24	8260C	2	-	-	2.0 µg/L	---
D. Non-Halogenated SVOCs									
Total Phthalates	✔							190 µg/L	---
Diethylhexyl phthalate	✔							101 µg/L	2.2
Total Group I PAHs	✔							1.0 µg/L	---
Benzo(a)anthracene	✔							As Total PAHs	0.0038
Benzo(a)pyrene	✔								0.0038
Benzo(b)fluoranthene	✔								0.0038
Benzo(k)fluoranthene	✔								0.0038
Chrysene	✔								0.0038
Dibenzo(a,h)anthracene	✔								0.0038
Indeno(1,2,3-cd)pyrene	✔								0.0038

Parameter	Known or believed absent	Known or believed present	# of samples	Test method (#)	Detection limit (µg/l)	Influent		Effluent Limitations	
						Daily maximum (µg/l)	Daily average (µg/l)	TBEL	WQBEL
Total Group II PAHs	✔							100 µg/L	---
Naphthalene	✔							20 µg/L	---
E. Halogenated SVOCs									
Total PCBs	✔							0.000064 µg/L	---
Pentachlorophenol	✔							1.0 µg/L	---
F. Fuels Parameters									
Total Petroleum Hydrocarbons	✔							5.0 mg/L	---
Ethanol	✔							Report mg/L	---
Methyl-tert-Butyl Ether	✔		24	8260C	4	-	-	70 µg/L	20
tert-Butyl Alcohol	✔							120 µg/L in MA 40 µg/L in NH	---
tert-Amyl Methyl Ether	✔		24	8260C	4	-	-	90 µg/L in MA 140 µg/L in NH	---
Other (i.e., pH, temperature, hardness, salinity, LC_{50}, additional pollutants present); if so, specify:									
Hardness		✔	1	200.7	660	172,000	-		---
pH		✔	1	YSI	-	7.30			---
Temperature		✔	1	YSI	-	14.90 C			---

E. Treatment system information

1. Indicate the type(s) of treatment that will be applied to effluent prior to discharge: (check all that apply)

☐ Adsorption/Absorption ☐ Advanced Oxidation Processes ☐ Air Stripping ■ Granulated Activated Carbon ("GAC")/Liquid Phase Carbon Adsorption
☐ Ion Exchange ☐ Precipitation/Coagulation/Flocculation ■ Separation/Filtration ☐ Other; if so, specify:

2. Provide a written description of all treatment system(s) or processes that will be applied to the effluent prior to discharge.

Groundwater is pumped from recovery well MW-106DR through a sedimentation filter to remove fines. Once the fines are removed, the water is pumped through granular activated carbon vessels before being discharged. See attached Figures 2 and 3.

Identify each major treatment component (check any that apply):
☐ Fractionation tanks☐ Equalization tank ☐ Oil/water separator ☐ Mechanical filter ☐ Media filter
☐ Chemical feed tank ☐ Air stripping unit ☐ Bag filter ■ Other; if so, specify: Sedimentation filters, granular activated carbon tanks

Indicate if either of the following will occur (check any that apply):
☐ Chlorination ☐ De-chlorination

3. Provide the **design flow capacity** in gallons per minute (gpm) of the most limiting component. Indicate the most limiting component: 15 Is use of a flow meter feasible? (check one): ■ Yes ☐ No, if so, provide justification:	
Provide the proposed maximum effluent flow in gpm.	15
Provide the average effluent flow in gpm.	10
If Activity Category IV applies, indicate the estimated total volume of water that will be discharged:	N/A

4. Has the operator attached a schematic of flow in accordance with the instructions in E, above? (check one): ■ Yes ☐ No

F. Chemical and additive information

1. Indicate the type(s) of chemical or additive that will be applied to effluent prior to discharge or that may otherwise be present in the discharge(s): (check all that apply)

☐ Algaecides/biocides ☐ Antifoams ☐ Coagulants ☐ Corrosion/scale inhibitors ☐ Disinfectants ☐ Flocculants ☐ Neutralizing agents ☐ Oxidants ☐ Oxygen ☐ scavengers ☐ pH conditioners ☐ Bioremedial agents, including microbes ☐ Chlorine or chemicals containing chlorine ☐ Other; if so, specify:
N/A

2. Provide the following information for each chemical/additive, using attachments, if necessary:
N/A
a. Product name, chemical formula, and manufacturer of the chemical/additive;
b. Purpose or use of the chemical/additive or remedial agent;
c. Material Safety Data Sheet (MSDS) and Chemical Abstracts Service (CAS) Registry number for each chemical/additive;
d. The frequency (hourly, daily, etc.), duration (hours, days), quantity (maximum and average), and method of application for the chemical/additive;
e. Any material compatibility risks for storage and/or use including the control measures used to minimize such risks; and
f. If available, the vendor's reported aquatic toxicity (NOAEL and/or LC50 in percent for aquatic organism(s)).

3. Has the operator attached an explanation which demonstrates that the addition of such chemicals/additives may be authorized under this general permit in accordance with the instructions in F, above? (check one): ☐ Yes ☐ No; if no, has the operator attached data that demonstrates each of the 126 priority pollutants in CWA Section 307(a) and 40 CFR Part 423.15(j)(1) are non-detect in discharges with the addition of the proposed chemical/additive?
(check one): ☐ Yes ☐ No

G. Endangered Species Act eligibility determination

1. Indicate under which criterion the discharge(s) is eligible for coverage under this general permit:

☐ **FWS Criterion A**: No endangered or threatened species or critical habitat are in proximity to the discharges or related activities or come in contact with the "action area".

■ **FWS Criterion B**: Formal or informal consultation with the FWS under section 7 of the ESA resulted in either a no jeopardy opinion (formal consultation) or a written concurrence by FWS on a finding that the discharges and related activities are "not likely to adversely affect" listed species or critical habitat (informal consultation). Has the operator completed consultation with FWS? (check one): ☐ Yes ☐ No; if no, is consultation underway? (check one): ☐ Yes ☐ No

☐ **FWS Criterion C**: Using the best scientific and commercial data available, the effect of the discharges and related activities on listed species and critical habitat have been evaluated. Based on those evaluations, a determination is made by EPA, or by the operator and affirmed by EPA, that the discharges and related activities will have "no effect" on any federally threatened or endangered listed species or designated critical habitat under the jurisdiction of the FWS. This determination was made by: (check one) ☐ the operator ☐ EPA ☐ Other; if so, specify:

☐ **NMFS Criterion**: A determination made by EPA is affirmed by the operator that the discharges and related activities will have "no effect" or are "not likely to adversely affect" any federally threatened or endangered listed species or critical habitat under the jurisdiction of NMFS and will not result in any take of listed species. Has the operator previously completed consultation with NMFS? (check one): ☐ Yes ☐ No

2. Has the operator attached supporting documentation of ESA eligibility in accordance with the instructions in Appendix I, and G, above? (check one): ■ Yes ☐ No

Does the supporting documentation include any written concurrence or finding provided by the Services? (check one): ■ Yes ☐ No; if yes, attach.

H. National Historic Preservation Act eligibility determination

1. Indicate under which criterion the discharge(s) is eligible for coverage under this general permit:

■ **Criterion A**: No historic properties are present. The discharges and discharge-related activities (e.g., BMPs) do not have the potential to cause effects on historic properties.

☐ **Criterion B**: Historic properties are present. Discharges and discharge related activities do not have the potential to cause effects on historic properties.

☐ **Criterion C**: Historic properties are present. The discharges and discharge-related activities have the potential to have an effect or will have an adverse effect on historic properties.

2. Has the operator attached supporting documentation of NHPA eligibility in accordance with the instructions in H, above? (check one): ■ Yes ☐ No

Does the supporting documentation include any written agreement with the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Officer (TPHO), or other tribal representative that outlines measures the operator will carry out to mitigate or prevent any adverse effects on historic properties? (check one): ☐ Yes ☐ No

I. Supplemental information

Describe any supplemental information being provided with the NOI. Include attachments if required or otherwise necessary.

Supporting Documentation is included in Appendix A through D: Water Quality Based Effluent Limits Calculation, Receiving Water Analytical Results Summary, ESA Supporting Documentation, NHPA Supporting Documentation.
Laboratory analytical reports for the data summarized in Section D above are included in Appendix E.

Has the operator attached data, including any laboratory case narrative and chain of custody used to support the application? (check one): ■ Yes ☐ No

Has the operator attached the certification requirement for the Best Management Practices Plan (BMPP)? (check one): ■ Yes ☐ No

J. Certification requirement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

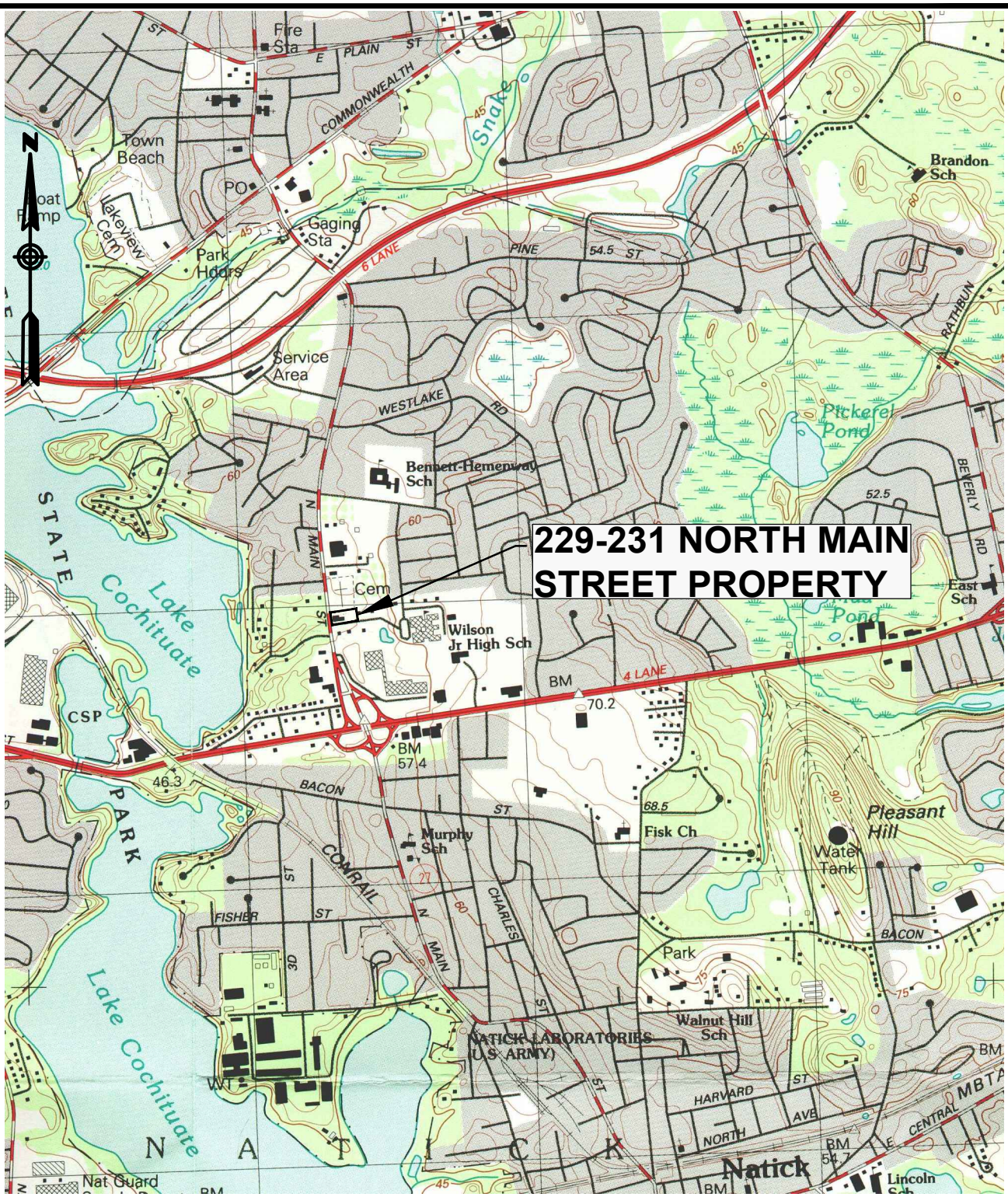
BMPP certification statement: A BMPP meeting the requirements of this general permit has been developed and implemented at the Site.

Notification provided to the appropriate State, including a copy of this NOI, if required.	Check one: Yes ■ No ☐
Notification provided to the municipality in which the discharge is located, including a copy of this NOI, if requested.	Check one: Yes ■ No ☐
Notification provided to the owner of a private or municipal storm sewer system, if such system is used for site discharges, including a copy of this NOI, if requested.	Check one: Yes ☐ No ☐ NA ■
Permission obtained from the owner of a private or municipal storm sewer system, if such system is used for site discharges. If yes, attach additional conditions. If no, attach explanation and timeframe for obtaining permission.	Check one: Yes ☐ No ☐ NA ■
Notification provided to the owner/operator of the area associated with activities covered by an additional discharge permit(s). Additional discharge permit is (check one): ☐ RGP ☐ DGP ☐ CGP ☐ MSGP ☐ Individual NPDES permit ☐ Other; if so, specify:	Check one: Yes ☐ No ☐ NA ■

Signature:  Date: 02/06/18

Print Name and Title: Ross Bennett, PE, Senior Engineer

FIGURES



REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1						

PROJECT

229-231 NORTH MAIN STREET
NATICK, MASSACHUSETTS

TITLE

PROPERTY LOCATION MAP

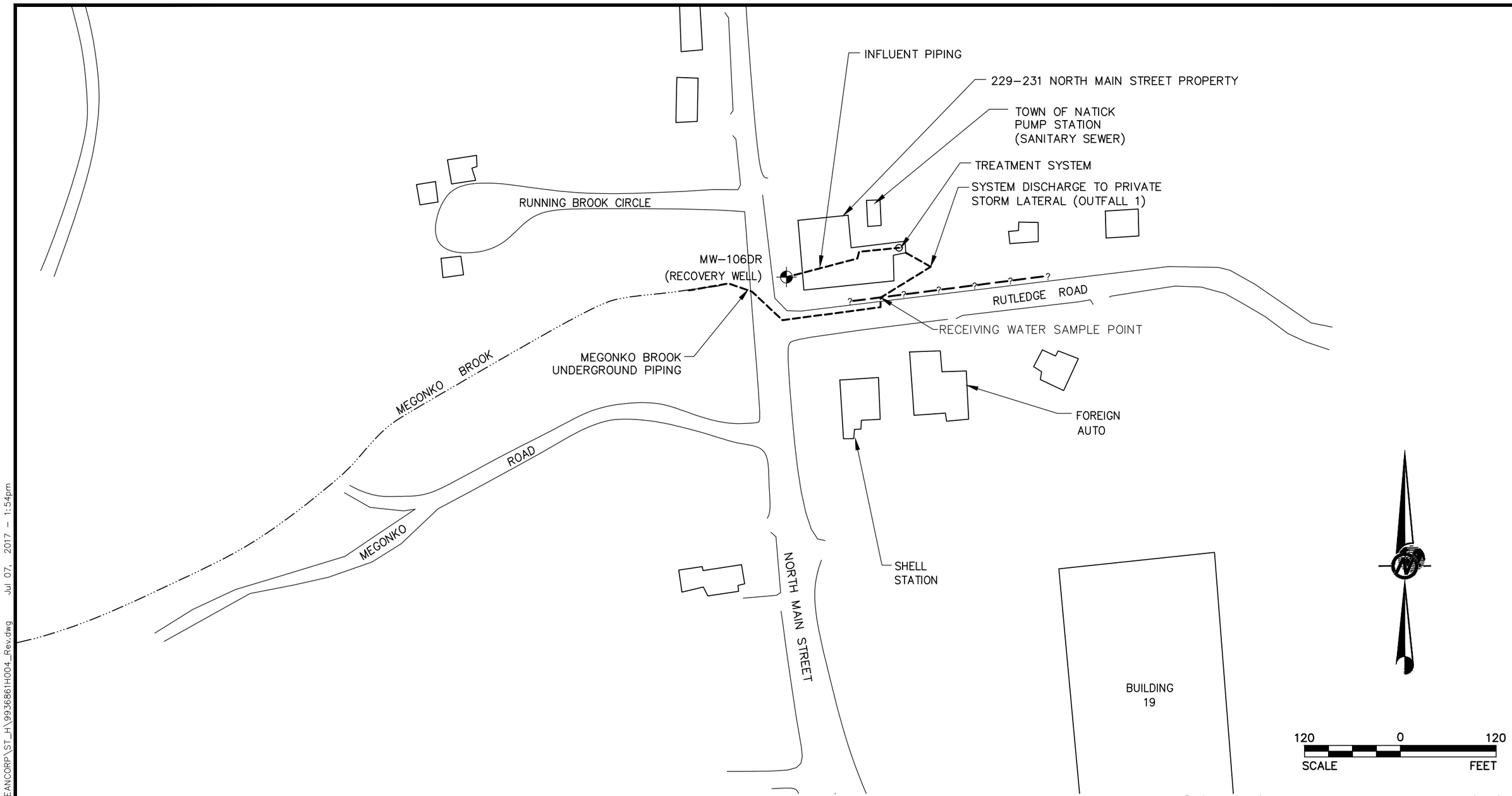
REFERENCE

BASE MAP TAKEN FROM USGS 7.5 MINUTE QUADRANGLE TITLED "FRAMINGHAM, MA" DATED 1987. ORIGINAL SCALE 1:25000.

Golder Associates
Manchester, New Hampshire

PROJECT No.		993-6861	FILE No. 9936861I001R1.dwg
DESIGN	ATK	07/12/16	SCALE AS_SHOWN REV. 0
CADD	RWC	07/12/16	
CHECK			FIGURE 1
REVIEW			

Drawing file: J:\Drawings\1999\993-6861_CLEANCORP\ST_I\9936861I001R1.dwg Jul 13, 2016 - 1:25pm



LEGEND

MW–106DR — APPROXIMATE MONITORING WELL LOCATION

APPROXIMATE PIPING LOCATION

INFERRED PIPING LOCATION

NOTES

1. THIS MAP HAS BEEN PREPARED FROM A NUMBER OF PROPERTY SPECIFIC AND REGIONAL MAPS. THE LOCATION OF ALL FEATURES ON THIS MAP SHOULD BE CONSIDERED APPROXIMATE.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
1						

PROJECT

229-231 NORTH MAIN STREET
NATICK, MASSACHUSETTS

TITLE

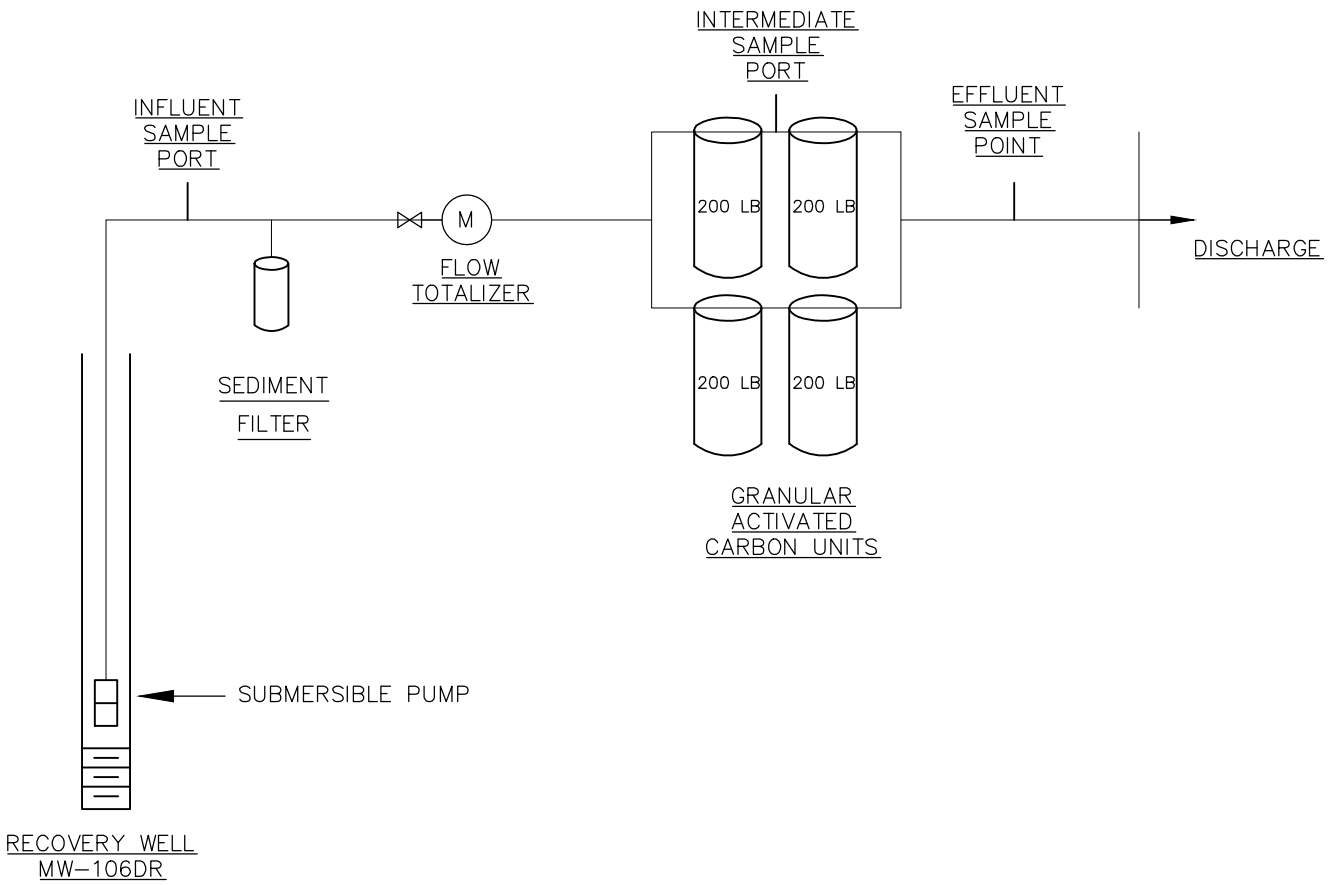
SYSTEM LOCATION PLAN

Golder Associates
Manchester, New Hampshire

PROJECT No.		993–6861	FILE No.	9936861H004_Rev
DESIGN	BPC	07/07/17	SCALE	AS SHOWN
CADD	RWC	07/07/17	REV.	0
CHECK	RWB	07/07/17		
REVIEW	APTM	07/07/17		

FIGURE 2

Drawing file: J:\Drawings\1999\993-6861_CLEANCORP\ST_H\9936861H004_Rev.dwg Jul 07, 2017 - 1:54pm



Golder Associates
Manchester, New Hampshire

FILE No.	9936861l005.dwg
PROJECT No.	993-6861
REV.	

SCALE	NTS
DATE	07/07/17
DESIGN BY	BPC
CAD BY	RWC
CHECK BY	RWB
REVIEW BY	APTM

GROUNDWATER RECOVERY AND TREATMENT SYSTEM SCHEMATIC

CLEAN CORP NATICK, MA

FIGURE **3**

APPENDIX A
WATER QUALITY BASED EFFLUENT LIMITATIONS CALCULATIONS

Enter number values in green boxes below

Enter values in the units specified

↓

0	Q_R = Enter upstream flow in **MGD**	Freshwater: Q_R equal to the 7Q10; enter alternate Q_R if approved by the State; enter 0 if no dilution factor approved Saltwater (estuarine and marine): enter Q_R if approved by the State; enter 0 if no entry
0.0216	Q_P = Enter discharge flow in **MGD**	Discharge flow is equal to the design flow or 1 MGD, whichever is less
0	Downstream 7Q10	Only if approved by State as the entry for Q_R; leave 0 if no entry

Enter a dilution factor, if other than zero

↓

1	Saltwater (estuarine and marine): only if approved by the State Leave 0 if no entry

Enter values in the units specified

↓

172	C_d = Enter influent hardness in **mg/L** $CaCO_3$	Freshwater only
62.3	C_s = Enter receiving water hardness in **mg/L** $CaCO_3$	

Enter **receiving water** concentrations in the units specified

↓

8.63	pH in **Standard Units**	pH, temperature, and ammonia required for all discharges Hardness required for freshwater Salinity required for saltwater (estuarine and marine) Metals required for all discharges if present and if dilution factor is > 1 Enter 0 if non-detect or testing not required
16.66	Temperature in **°C**	
0.111	Ammonia in **mg/L**	
62.3	Hardness in **mg/L** $CaCO_3$	
0	Salinity in **ppt**	
0	Antimony in **µg/L**	
0	Arsenic in **µg/L**	
0	Cadmium in **µg/L**	
0	Chromium III in **µg/L**	
0	Chromium VI in **µg/L**	
1.69	Copper in **µg/L**	
611	Iron in **µg/L**	
0	Lead in **µg/L**	
0	Mercury in **µg/L**	
0	Nickel in **µg/L**	
0	Selenium in **µg/L**	
0	Silver in **µg/L**	
0	Zinc in **µg/L**	

Notes:

Enter **influent** concentrations in the units specified

if >1 sample, enter maximum

if >10 samples, may enter 95th percentile

Enter 0 if non-detect or testing not required

↓

0	TRC in **µg/L**
0	Ammonia in **mg/L**
0	Antimony in **µg/L**
0	Arsenic in **µg/L**
0	Cadmium in **µg/L**
0	Chromium III in **µg/L**
0	Chromium VI in **µg/L**
6.3	Copper in **µg/L**
78	Iron in **µg/L**
1.9	Lead in **µg/L**
0	Mercury in **µg/L**
0	Nickel in **µg/L**
0	Selenium in **µg/L**
0	Silver in **µg/L**
0	Zinc in **µg/L**
0	Cyanide in **µg/L**
0	Phenol in **µg/L**
0	Carbon Tetrachloride in **µg/L**
320	Tetrachloroethylene in **µg/L**
0	Total Phthalates in **µg/L**
0	Diethylhexylphthalate in **µg/L**
0	Benzo(a)anthracene in **µg/L**
0	Benzo(a)pyrene in **µg/L**
0	Benzo(b)fluoranthene in **µg/L**
0	Benzo(k)fluoranthene in **µg/L**
0	Chrysene in **µg/L**
0	Dibenzo(a,h)anthracene in **µg/L**
0	Indeno(1,2,3-cd)pyrene in **µg/L**
0	Methyl-tert butyl ether in **µg/L**

I. Dilution Factor Calculation Method

A. 7Q10

Refer to Appendix V for determining critical low flow; must be approved by State before use in calculations.

B. Dilution Factor

Calculated as follows:

$$Df = \frac{Q_R + Q_P}{Q_P}$$

Q_R = 7Q10 in MGD

Q_P = Discharge flow, in MGD

II. Effluent Limitation Calculation Method

A. Calculate Water Quality Criterion:

Step 1. Downstream hardness, calculated as follows:

$$C_r = \frac{Q_d C_d + Q_s C_s}{Q_r}$$

C_r = Downstream hardness in mg/L

Q_d = Discharge flow in MGD

C_d = Discharge hardness in mg/L

Q_s = Upstream flow (7Q10) in MGD

C_s = Upstream (receiving water) hardness in mg/L

Q_r = Downstream receiving water flow in MGD

Step 2. Total recoverable water quality criteria for hardness-dependent metals, calculated as follows:

Total Recoverable Criteria = $\exp\{m_c [\ln(h)] + b_c\}$

m_c = Pollutant-specific coefficient (m_a for silver)

b_c = Pollutant-specific coefficient (b_a for silver)

ln = Natural logarithm

h = Hardness calculated in Step 1

Step 3. Total recoverable water quality criteria for non-hardness-dependent metals, calculated as follows:

$$\text{WQC in µg/L} = \frac{\text{dissolved WQC in µg/L}}{\text{dissolved to total recoverable factor}}$$

B. Calculate WQBEL:

Step 1. WQBEL calculated as follows for parameter sampled in and detected in the receiving water:

$$C_d = \frac{Q_r C_r - Q_s C_s}{Q_d}$$

C_r = Water quality criterion in µg/L
Q_d = Discharge flow in MGD
C_d = WQBEL in µg/L
Q_s = Upstream flow (7Q10) in MGD
C_s = Ustream (receiving water) concentration in µg/L
Q_r = Downstream receiving water flow in MGD

Step 2. WQBEL calculated as follows for parameter not sampled in or not detected in receiving water:

$$C_d = (Q_r/Q_d) \times C_r$$

C_r = Water quality criterion in µg/L
Q_d = Discharge flow in MGD
Q_r = Downstream receiving water flow in MGD

C. Determine if a WQBEL applies:

Step 1. For parameter sampled in and detected in receiving water, downstream concentrations calculated as follows:

$$C_r = \frac{Q_d C_d + Q_s C_s}{Q_r}$$

C_r = Downstream concentration in µg/L

Q_d = Discharge flow in MGD

C_d = Influent concentration in µg/L

Q_s = Upstream flow (7Q10) in MGD

C_s = Upstream (receiving water) concentration in µg/L

Q_r = Downstream receiving water flow in MGD

The WQBEL applies if:

1) the projected downstream concentration calculated in accordance with Step 1, above, and the discharge concentration of a parameter are greater than the WQC calculated for that parameter in accordance with II.A, above

AND

2) the WQBEL determined for that parameter in accordance with II.B, above, is less than the TBEL in Part 2.1.1 of the RGP for that parameter. Otherwise, the TBEL in Part 2.1.1

of the RGP for that parameter applies.

Step 2. For a parameter not sampled in or not detected in receiving water, the WQBEL applies if:

1) the discharge concentration of a parameter is greater than the WQBEL determined for that parameter in accordance with II.A or II.B, above;

AND

2) the WQBEL determined for that parameter in accordance with II.A or II.B, above is less than the TBEL in Part 2.1.1 of the RGP for that parameter. Otherwise, the TBEL in

Part 2.1.1 of the RGP for that parameter applies.

Dilution Factor	1.0					
A. Inorganics	TBEL applies if bolded		WQBEL applies if bolded		Compliance Level applies if shown	
Ammonia	**Report**	mg/L	---			
Chloride	**Report**	µg/L	---			
Total Residual Chlorine	0.2	mg/L	**11**	µg/L	50	µg/L
Total Suspended Solids	**30**	mg/L	---			
Antimony	**206**	µg/L	640	µg/L		
Arsenic	**104**	µg/L	10	µg/L		
Cadmium	**10.2**	µg/L	0.4045	µg/L		
Chromium III	**323**	µg/L	134.4	µg/L		
Chromium VI	**323**	µg/L	11.4	µg/L		
Copper	**242**	µg/L	14.8	µg/L		
Iron	**5000**	µg/L	1000	µg/L		
Lead	**160**	µg/L	6.35	µg/L		
Mercury	**0.739**	µg/L	0.91	µg/L		
Nickel	**1450**	µg/L	82.5	µg/L		
Selenium	**235.8**	µg/L	5.0	µg/L		
Silver	**35.1**	µg/L	9.6	µg/L		
Zinc	**420**	µg/L	189.7	µg/L		
Cyanide	**178**	mg/L	5.2	µg/L	---	µg/L
B. Non-Halogenated VOCs						
Total BTEX	**100**	µg/L	---			
Benzene	**5.0**	µg/L	---			
1,4 Dioxane	**200**	µg/L	---			
Acetone	**7970**	µg/L	---			
Phenol	**1,080**	µg/L	300	µg/L		

C. Halogenated VOCs						
Carbon Tetrachloride	**4.4**	µg/L	1.6	µg/L		
1,2 Dichlorobenzene	**600**	µg/L	---			
1,3 Dichlorobenzene	**320**	µg/L	---			
1,4 Dichlorobenzene	**5.0**	µg/L	---			
Total dichlorobenzene	**---**	µg/L	---			
1,1 Dichloroethane	**70**	µg/L	---			
1,2 Dichloroethane	**5.0**	µg/L	---			
1,1 Dichloroethylene	**3.2**	µg/L	---			
Ethylene Dibromide	**0.05**	µg/L	---			
Methylene Chloride	**4.6**	µg/L	---			
1,1,1 Trichloroethane	**200**	µg/L	---			
1,1,2 Trichloroethane	**5.0**	µg/L	---			
Trichloroethylene	**5.0**	µg/L	---			
Tetrachloroethylene	5.0	µg/L	**3.3**	µg/L		
cis-1,2 Dichloroethylene	**70**	µg/L	---			
Vinyl Chloride	**2.0**	µg/L	---			
D. Non-Halogenated SVOCs						
Total Phthalates	**190**	µg/L	---	µg/L		
Diethylhexyl phthalate	**101**	µg/L	2.2	µg/L		
Total Group I Polycyclic Aromatic Hydrocarbons	**1.0**	µg/L	---			
Benzo(a)anthracene	**1.0**	µg/L	0.0038	µg/L	---	µg/L
Benzo(a)pyrene	**1.0**	µg/L	0.0038	µg/L	---	µg/L
Benzo(b)fluoranthene	**1.0**	µg/L	0.0038	µg/L	---	µg/L
Benzo(k)fluoranthene	**1.0**	µg/L	0.0038	µg/L	---	µg/L
Chrysene	**1.0**	µg/L	0.0038	µg/L	---	µg/L
Dibenzo(a,h)anthracene	**1.0**	µg/L	0.0038	µg/L	---	µg/L
Indeno(1,2,3-cd)pyrene	**1.0**	µg/L	0.0038	µg/L	---	µg/L
Total Group II Polycyclic Aromatic Hydrocarbons	**100**	µg/L	---			
Naphthalene	**20**	µg/L	---			

E. Halogenated SVOCs						
Total Polychlorinated Biphenyls	**0.000064**	µg/L	---		0.5	µg/L
Pentachlorophenol	**1.0**	µg/L	---			
F. Fuels Parameters						
Total Petroleum Hydrocarbons	**5.0**	mg/L	---			
Ethanol	**Report**	mg/L	---			
Methyl-tert-Butyl Ether	**70**	µg/L	20	µg/L		
tert-Butyl Alcohol	**120**	µg/L	---			
tert-Amyl Methyl Ether	**90**	µg/L	---			

APPENDIX B
RECEIVING WATER ANALYTICAL RESULTS SUMMARY

Golder Associates, Manchester New Hampshire
603-668-0880
Clean Corp, 229-231 North Main Street, Natick MA 01760 NPDES Permit # 99-036
Receiving Water Sample

Sample Date	pH	Temperature	Hardness	Copper	Iron	Lead	Ammonia
	S.U.	°C	mg/L	mg/L	mg/L	mg/L	mg/L
	YSI	YSI	Method 3005A	Method 3005A	Method 3005A	Method 3005A	Method 4500NH3-BH
6/9/2017	8.63	16.66	62.3	0.00169	0.611	< 0.00050	0.111
# of measurements	1	1	1	1	1	1	1

Notes:
YSI = YSI 650 MDS Multi-Parameter Display System
S.U. = standard units
°C = degrees celsius
mg/L = milligram/liter

APPENDIX C

ENDANGERED SPECIES ACT ELIGIBILITY DETERMINATION SUPPLEMENTAL INFORMATION

Appendix C – Endangered Species Act Eligibility

Finding:

Golder Associates (Golder) completed the United States Fish and Wildlife Service (USFWS) Information, Planning, and Conservation (IPac) online system process and saved the preliminary determination and report (attached) on May 15, 2017. The Northern Long-Eared Bat was identified as potentially occurring or being impacted by activities within the area covered by the Notice of Intent (NOI). No other endangered species or habitat were identified within the area covered by the NOI.

Golder contacted Maria Tur of USFWS on April 25, 2017 regarding the possible presence of the aforementioned species at the Site. Ms. Tur confirmed that due to the fact the Site is an existing facility and the habitats for these species are not impacted by the activities (i.e. deforestation activities will not be performed), these species will not be impacted. The letter provided in Appendix A was provided to Golder by USFWS on April 25, 2017.

United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

January 20, 2017

To Whom It May Concern:

This project was reviewed for the presence of federally listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm (accessed January 2017)

Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact Maria Tur of this office at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
http://www.fws.gov/newengland

In Reply Refer To: May 15, 2017
Consultation Code: 05E1NE00-2017-SLI-1550
Event Code: 05E1NE00-2017-E-03113
Project Name: Clean Corp

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the

human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2017-SLI-1550

Event Code: 05E1NE00-2017-E-03113

Project Name: Clean Corp

Project Type: ** OTHER **

Project Description: Granular activated carbon pump and treatment system located at 229-231 North Main Street, Natick, MA. Maximum flow rate = 15 gpm. System discharges treated water to Megonko Brook.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/place/42.30324558534899N71.36414569516836W

Counties: Middlesex, MA

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
Northern Long-eared Bat *(Myotis septentrionalis)*	Threatened

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9045

Critical habitats

There are no critical habitats within your project area.

APPENDIX D

NATIONAL HISTORIC PRESERVATION ACT ELIGIBILITY DETERMINATION SUPPLEMENTAL INFORMATION

Appendix D – National Historic Preservation Act Eligibility

Finding:

The Massachusetts Cultural Resource Information System (MACRIS) program, MACRIS Maps 2.0 Beta, indicates that the nearest property that is listed on the National Register of Historic Places is located more than 4,500 ft from the discharge point. Therefore, *"Criteria A: No historic properties are present. The discharges and discharge-related activities (e.g., BMPs) do not have the potential to cause effects on historic properties"* is met.

MACRIS MAPS 2.0 beta

About | Help | Disclaimer

natick Search

measure: 7.338 km / 4.56 miles

Bing MassDOT Street View

Geology - Early Postglac
Geology - Stratified Depc
Geology - Till and Bedroc
USGS Quad Grid

Legend

MHC Inventory Points

- Nat'l Register of Historic Places
- Preservation Restriction
- Local Historic District
- NRHP and LHD
- Inventoried Property

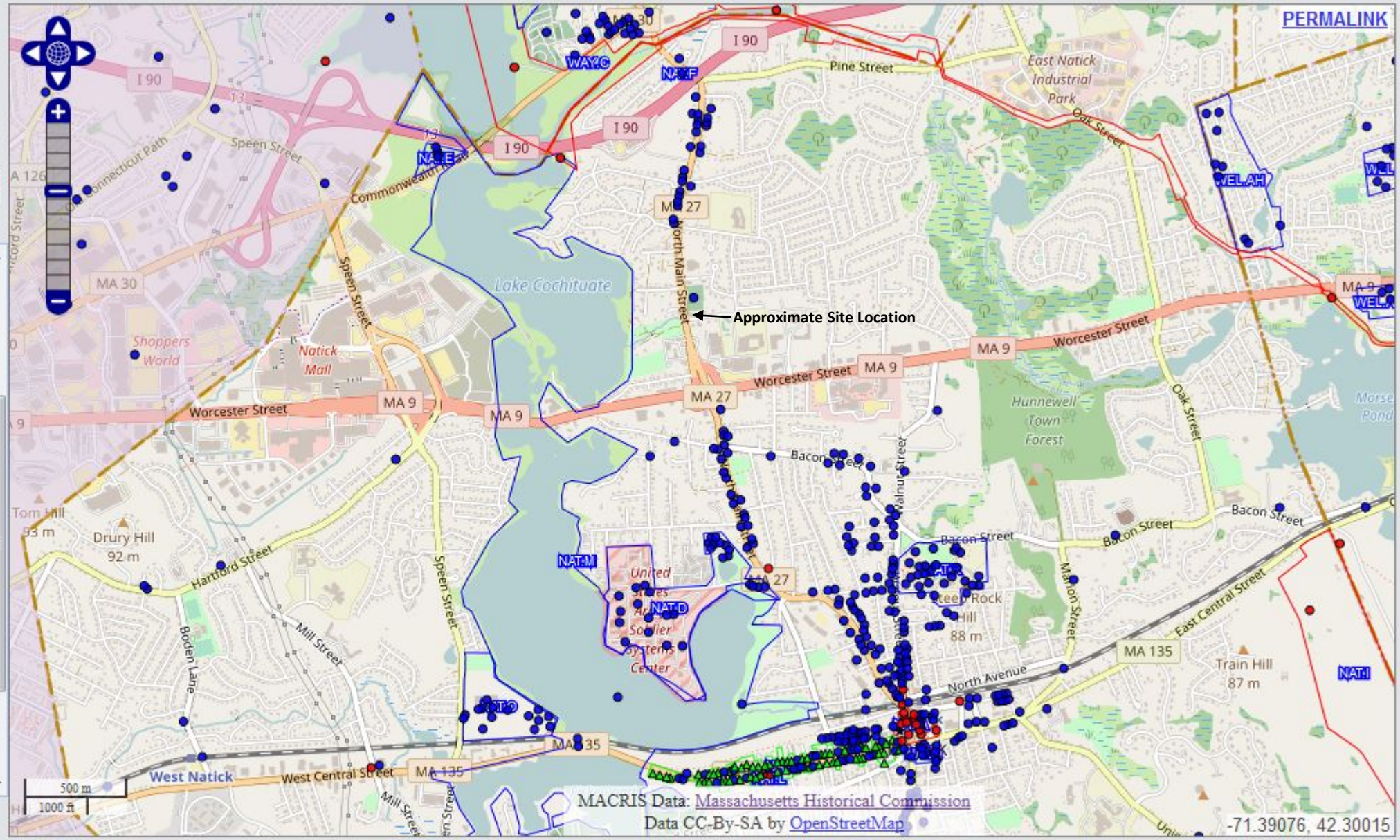
MHC Inventory Areas

- Nat'l Register of Historic Places
- Preservation Restriction
- Local Historic District
- NRHP and LHD
- Inventoried Area

Archaeology Login

Username:
Password:
Login

MACRIS Maps Last Updated 5/16/2017



APPENDIX E
ANALYTICAL DATA

ANALYTICAL REPORT

Lab Number:	L1719260
Client:	Golder Associates 670 North Commercial St. Suite 103 Manchester, NH 03101
ATTN:	Ross Bennett
Phone:	(603) 668-0880
Project Name:	CLEAN CORP
Project Number:	993-6861
Report Date:	06/16/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: CLEAN CORP
Project Number: 993-6861

Lab Number: L1719260
Report Date: 06/16/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1719260-01	RECEIVING WATER	WATER	NATICK, MA	06/09/17 08:15	06/09/17
L1719260-02	INFLUENT	WATER	NATICK, MA	06/09/17 08:40	06/09/17

Project Name: CLEAN CORP
Project Number: 993-6861

Lab Number: L1719260
Report Date: 06/16/17

Case Narrative

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

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

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

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

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

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

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:  Melissa Cripps

Title: Technical Director/Representative Date: 06/16/17

METALS

Project Name: CLEAN CORP
Project Number: 993-6861
Lab Number: L1719260
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719260-01
Client ID: RECEIVING WATER
Sample Location: NATICK, MA
Matrix: Water
Date Collected: 06/09/17 08:15
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	0.00169		mg/l	0.00100	--	1	06/13/17 06:05	06/13/17 12:04	EPA 3005A	3,200.8	AM
Iron, Total	0.611		mg/l	0.050	--	1	06/13/17 06:05	06/13/17 15:06	EPA 3005A	19,200.7	PS
Lead, Total	ND		mg/l	0.00050	--	1	06/13/17 06:05	06/13/17 12:04	EPA 3005A	3,200.8	AM
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	62.3		mg/l	0.660	NA	1	06/13/17 06:05	06/13/17 15:06	EPA 3005A	19,200.7	PS

Project Name: CLEAN CORP
Project Number: 993-6861
Lab Number: L1719260
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719260-02
Client ID: INFLUENT
Sample Location: NATICK, MA
Matrix: Water
Date Collected: 06/09/17 08:40
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Hardness by SM 2340B - Mansfield Lab											
Hardness	172		mg/l	0.660	NA	1	06/14/17 10:25	06/16/17 12:35	EPA 3005A	19,200.7	PS

Project Name: CLEAN CORP
Project Number: 993-6861
Lab Number: L1719260
Report Date: 06/16/17

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 Batch: WG1012431-1										
Copper, Total	ND		mg/l	0.00100	--	1	06/13/17 06:05	06/13/17 10:18	3,200.8	AM
Lead, Total	ND		mg/l	0.0005	--	1	06/13/17 06:05	06/13/17 10:18	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1012436-1										
Iron, Total	ND		mg/l	0.050	--	1	06/13/17 06:05	06/13/17 12:06	19,200.7	PS

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 Batch: WG1012436-1										
Hardness	ND		mg/l	0.660	NA	1	06/13/17 06:05	06/13/17 12:06	19,200.7	PS

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): 02 Batch: WG1012936-1										
Hardness	ND		mg/l	0.660	NA	1	06/14/17 10:25	06/16/17 12:21	19,200.7	PS

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLEAN CORP

Project Number: 993-6861

Lab Number: L1719260

Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1012431-2								
Copper, Total	96		-		85-115	-		
Lead, Total	104		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1012436-2								
Iron, Total	108		-		85-115	-		
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01 Batch: WG1012436-2								
Hardness	103		-		85-115	-		
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 02 Batch: WG1012936-2								
Hardness	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: CLEAN CORP
Project Number: 993-6861

Lab Number: L1719260
Report Date: 06/16/17

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 QC Batch ID: WG1012431-3 QC Sample: L1719545-01 Client ID: MS Sample												
Copper, Total	0.01796	0.25	0.2658	99		-	-		70-130	-		20
Lead, Total	0.00064	0.51	0.5353	105		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012431-5 QC Sample: L1719546-01 Client ID: MS Sample												
Copper, Total	0.00579	0.25	0.2507	98		-	-		70-130	-		20
Lead, Total	0.00126	0.51	0.5364	105		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012436-3 QC Sample: L1719545-01 Client ID: MS Sample												
Iron, Total	0.557	1	1.61	105		-	-		75-125	-		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012436-3 QC Sample: L1719545-01 Client ID: MS Sample												
Hardness	238	66.2	300	94		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012436-7 QC Sample: L1719546-01 Client ID: MS Sample												
Iron, Total	1.77	1	2.78	101		-	-		75-125	-		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012436-7 QC Sample: L1719546-01 Client ID: MS Sample												
Hardness	230	66.2	299	104		-	-		75-125	-		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1012936-7 QC Sample: L1719260-02 Client ID: INFLUENT												
Hardness	172	66.2	227	83		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CLEAN CORP
Project Number: 993-6861

Lab Number: L1719260
Report Date: 06/16/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012431-4 QC Sample: L1719545-01 Client ID: DUP Sample						
Copper, Total	0.01796	0.01715	mg/l	5		20
Lead, Total	0.00064	0.0006	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012431-6 QC Sample: L1719546-01 Client ID: DUP Sample						
Copper, Total	0.00579	0.00563	mg/l	3		20
Lead, Total	0.00126	0.0013	mg/l	1		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012436-4 QC Sample: L1719545-01 Client ID: DUP Sample						
Iron, Total	0.557	0.501	mg/l	11		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1012436-8 QC Sample: L1719546-01 Client ID: DUP Sample						
Iron, Total	1.77	1.84	mg/l	4		20
Total Hardness by SM 2340B - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1012936-8 QC Sample: L1719260-02 Client ID: INFLUENT						
Hardness	172	170	mg/l	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: CLEAN CORP
Project Number: 993-6861
Lab Number: L1719260
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719260-01
Client ID: RECEIVING WATER
Sample Location: NATICK, MA
Matrix: Water
Date Collected: 06/09/17 08:15
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Ammonia	0.111		mg/l	0.075	--	1	06/12/17 13:03	06/12/17 23:47	121,4500NH3-BH	AT

Project Name: CLEAN CORP
Project Number: 993-6861

Lab Number: L1719260
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719260-02
Client ID: INFLUENT
Sample Location: NATICK, MA
Matrix: Water

Date Collected: 06/09/17 08:40
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	06/13/17 12:59	06/13/17 20:45	121,4500NH3-BH	AT

Project Name: CLEAN CORP
Project Number: 993-6861
Lab Number: L1719260
Report Date: 06/16/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1012105-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	06/12/17 13:03	06/12/17 23:42	121,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 02 Batch: WG1012552-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	06/13/17 12:59	06/13/17 20:40	121,4500NH3-BH	AT

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLEAN CORP

Project Number: 993-6861

Lab Number: L1719260

Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1012105-2								
Nitrogen, Ammonia	87		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG1012552-2								
Nitrogen, Ammonia	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: CLEAN CORP
Project Number: 993-6861

Lab Number: L1719260
Report Date: 06/16/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1012105-4 QC Sample: L1719083-01 Client ID: MS Sample												
Nitrogen, Ammonia	ND	4	3.71	93		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1012552-4 QC Sample: L1719488-04 Client ID: MS Sample												
Nitrogen, Ammonia	2.62	4	6.49	97		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: CLEAN CORP
Project Number: 993-6861

Lab Number: L1719260
Report Date: 06/16/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1012105-3 QC Sample: L1719083-01 Client ID: DUP Sample						
Nitrogen, Ammonia	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG1012552-3 QC Sample: L1719488-04 Client ID: DUP Sample						
Nitrogen, Ammonia	2.62	2.60	mg/l	1		20

Project Name: CLEAN CORP
Project Number: 993-6861

Lab Number: L1719260
Report Date: 06/16/17

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(*)
L1719260-01A	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		HARDU(180)
L1719260-01B	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		CU-2008T(180),FE-UI(180),PB-2008T(180)
L1719260-01C	Plastic 500ml H2SO4 preserved	A	<2	<2	4.1	Y	Absent		NH3-4500(28)
L1719260-02A	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		HARDU(180)
L1719260-02B	Plastic 500ml H2SO4 preserved	A	<2	<2	4.1	Y	Absent		NH3-4500(28)

*Values in parentheses indicate holding time in days

Project Name:	CLEAN CORP	**Lab Number:**	L1719260
Project Number:	993-6861	**Report Date:**	06/16/17

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

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

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

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

Data Qualifiers

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

Report Format: Data Usability Report

Project Name:	CLEAN CORP	**Lab Number:**	L1719260
Project Number:	993-6861	**Report Date:**	06/16/17

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name:	CLEAN CORP	**Lab Number:**	L1719260
Project Number:	993-6861	**Report Date:**	06/16/17

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: 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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

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

Mansfield Facility:

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

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

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/9/17

ALPHA Job #: L1719260

ALPHA ANALYTICAL
World Class Chemistry
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: Golder Associates
Address: 670 N. Commercial St Suite 103
Manchester NH 03101
Phone: (603) 668-0880
Email: JFontaine@golder.com

Project Information

Project Name: Clean Corp
Project Location: Natick, MA
Project #: 993-6861
Project Manager: Ross Bennett
ALPHA Quote #:

Turn-Around Time

[X] Standard [ ] RUSH (only confirmed if pre-approved!)
Date Due:

Additional Project Information:

Report Information - Data Deliverables

[X] ADEx [X] EMAIL

Billing Information

[X] Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

[ ] Yes [ ] No MA MCP 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
[X] Other State /Fed Program USEPA Criteria RGP

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	Hardness - Total	Ammonia - SM4500	Total Cu - EPA 200.8	Total Fe - EPA 200.7	Total Pb - EPA 200.8	Sample Comments	TOTAL # BOTTLES
19260-01	Receiving Water	6/9/17	0815	W	JF	X	X	X	X	X		3
02	Influent	6/9/17	0840	W	JF	X	X					2
Container Type						P	P	P	P	P		
Preservative						C	D	C	C	C		

ANALYSIS: VOC: [ ] 8260 [ ] 624 [ ] 524.2; SVOC: [ ] ABN [ ] PAH; METALS: [ ] MCP 13 [ ] MCP 14 [ ] RCP 15; METALS: [ ] RCRA5 [ ] RCRA8 [ ] PP13; EPH: [ ] Ranges & Targets [ ] Ranges Only; VPH: [ ] Ranges & Targets [ ] Ranges Only; [ ] PCB [ ] PEST; TPH: [ ] Quant Only [ ] Fingerprint

SAMPLE INFO
Filtration
[ ] Field
[ ] Lab to do
Preservation
[ ] Lab to do

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_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	6/9/17 1150	AR	6/9/17 1150

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

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

ANALYTICAL REPORT

Lab Number:	L1717463
Client:	EST Associates, Inc. 51 Freemont Street Needham, MA 02494
ATTN:	John D'Andrea
Phone:	(781) 455-0003
Project Name:	CLEAN CORP.
Project Number:	993-6861
Report Date:	06/05/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: CLEAN CORP.
Project Number: 993-6861

Lab Number: L1717463
Report Date: 06/05/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1717463-01	INFLUENT	WATER	229 NORTH MAIN ST., NATICK, MA	05/25/17 14:50	05/26/17
L1717463-02	EFFLUENT	WATER	229 NORTH MAIN ST., NATICK, MA	05/25/17 14:40	05/26/17
L1717463-03	MIDFLUENT	WATER	229 NORTH MAIN ST., NATICK, MA	05/25/17 14:45	05/26/17

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: CLEAN CORP.
Project Number: 993-6861

Lab Number: L1717463
Report Date: 06/05/17

Case Narrative

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

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

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

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

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

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

Project Name: CLEAN CORP. **Lab Number:** L1717463
Project Number: 993-6861 **Report Date:** 06/05/17

Case Narrative (continued)

MCP Related Narratives

Volatile Organics

In reference to question G:

L1717463-01 through -03: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1717463-01 through -03, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.973) and 1,4-dioxane (0.0023), as well as the average response factor for 2-butanone and 1,4-dioxane.

The continuing calibration standard, associated with L1717463-01 through -03, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

In reference to question I:

L1717463-03: The sample was analyzed for a subset of MCP analytes per the Chain of Custody.

Metals

In reference to question I:

All samples were analyzed for a subset of MCP analytes per the Chain of Custody.

Non-MCP Related Narratives

Solids, Total Suspended

WG1007657: A laboratory duplicate could not be performed due to insufficient sample volume available for analysis.

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: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 06/05/17

ORGANICS

VOLATILES

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-01 D
Client ID: INFLUENT
Sample Location: 229 NORTH MAIN ST., NATICK, MA

Date Collected: 05/25/17 14:50
Date Received: 05/26/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 06/01/17 15:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	4.0	--	2
1,1-Dichloroethane	ND		ug/l	2.0	--	2
Chloroform	ND		ug/l	2.0	--	2
Carbon tetrachloride	ND		ug/l	2.0	--	2
1,2-Dichloropropane	ND		ug/l	2.0	--	2
Dibromochloromethane	ND		ug/l	2.0	--	2
1,1,2-Trichloroethane	ND		ug/l	2.0	--	2
Tetrachloroethene	200		ug/l	2.0	--	2
Chlorobenzene	ND		ug/l	2.0	--	2
Trichlorofluoromethane	ND		ug/l	4.0	--	2
1,2-Dichloroethane	ND		ug/l	2.0	--	2
1,1,1-Trichloroethane	ND		ug/l	2.0	--	2
Bromodichloromethane	ND		ug/l	2.0	--	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	--	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	--	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	--	2
1,1-Dichloropropene	ND		ug/l	4.0	--	2
Bromoform	ND		ug/l	4.0	--	2
1,1,2,2-Tetrachloroethane	ND		ug/l	2.0	--	2
Benzene	ND		ug/l	1.0	--	2
Toluene	ND		ug/l	2.0	--	2
Ethylbenzene	ND		ug/l	2.0	--	2
Chloromethane	ND		ug/l	4.0	--	2
Bromomethane	ND		ug/l	4.0	--	2
Vinyl chloride	ND		ug/l	2.0	--	2
Chloroethane	ND		ug/l	4.0	--	2
1,1-Dichloroethene	ND		ug/l	2.0	--	2
trans-1,2-Dichloroethene	ND		ug/l	2.0	--	2
Trichloroethene	ND		ug/l	2.0	--	2
1,2-Dichlorobenzene	ND		ug/l	2.0	--	2

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-01 D Date Collected: 05/25/17 14:50

Client ID: INFLUENT Date Received: 05/26/17

Sample Location: 229 NORTH MAIN ST., NATICK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.0	--	2
1,4-Dichlorobenzene	ND		ug/l	2.0	--	2
Methyl tert butyl ether	ND		ug/l	4.0	--	2
p/m-Xylene	ND		ug/l	4.0	--	2
o-Xylene	ND		ug/l	2.0	--	2
Xylene (Total)	ND		ug/l	2.0	--	2
cis-1,2-Dichloroethene	ND		ug/l	2.0	--	2
1,2-Dichloroethene (total)	ND		ug/l	2.0	--	2
Dibromomethane	ND		ug/l	4.0	--	2
1,2,3-Trichloropropane	ND		ug/l	4.0	--	2
Styrene	ND		ug/l	2.0	--	2
Dichlorodifluoromethane	ND		ug/l	4.0	--	2
Acetone	ND		ug/l	10	--	2
Carbon disulfide	ND		ug/l	4.0	--	2
2-Butanone	ND		ug/l	10	--	2
4-Methyl-2-pentanone	ND		ug/l	10	--	2
2-Hexanone	ND		ug/l	10	--	2
Bromochloromethane	ND		ug/l	4.0	--	2
Tetrahydrofuran	ND		ug/l	4.0	--	2
2,2-Dichloropropane	ND		ug/l	4.0	--	2
1,2-Dibromoethane	ND		ug/l	4.0	--	2
1,3-Dichloropropane	ND		ug/l	4.0	--	2
1,1,1,2-Tetrachloroethane	ND		ug/l	2.0	--	2
Bromobenzene	ND		ug/l	4.0	--	2
n-Butylbenzene	ND		ug/l	4.0	--	2
sec-Butylbenzene	ND		ug/l	4.0	--	2
tert-Butylbenzene	ND		ug/l	4.0	--	2
o-Chlorotoluene	ND		ug/l	4.0	--	2
p-Chlorotoluene	ND		ug/l	4.0	--	2
1,2-Dibromo-3-chloropropane	ND		ug/l	4.0	--	2
Hexachlorobutadiene	ND		ug/l	1.2	--	2
Isopropylbenzene	ND		ug/l	4.0	--	2
p-Isopropyltoluene	ND		ug/l	4.0	--	2
Naphthalene	ND		ug/l	4.0	--	2
n-Propylbenzene	ND		ug/l	4.0	--	2
1,2,3-Trichlorobenzene	ND		ug/l	4.0	--	2
1,2,4-Trichlorobenzene	ND		ug/l	4.0	--	2
1,3,5-Trimethylbenzene	ND		ug/l	4.0	--	2
1,2,4-Trimethylbenzene	ND		ug/l	4.0	--	2

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-01 D Date Collected: 05/25/17 14:50

Client ID: INFLUENT Date Received: 05/26/17

Sample Location: 229 NORTH MAIN ST., NATICK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Ethyl ether	ND		ug/l	4.0	--	2
Isopropyl Ether	ND		ug/l	4.0	--	2
Ethyl-Tert-Butyl-Ether	ND		ug/l	4.0	--	2
Tertiary-Amyl Methyl Ether	ND		ug/l	4.0	--	2
1,4-Dioxane	ND		ug/l	500	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	91		70-130

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-02
Client ID: EFFLUENT
Sample Location: 229 NORTH MAIN ST., NATICK, MA

Date Collected: 05/25/17 14:40
Date Received: 05/26/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 06/01/17 13:54
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-02 Date Collected: 05/25/17 14:40

Client ID: EFFLUENT Date Received: 05/26/17

Sample Location: 229 NORTH MAIN ST., NATICK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylene (Total)	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene (total)	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	2.0	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-02 Date Collected: 05/25/17 14:40

Client ID: EFFLUENT Date Received: 05/26/17

Sample Location: 229 NORTH MAIN ST., NATICK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Ethyl ether	ND		ug/l	2.0	--	1
Isopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	90		70-130

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-03
Client ID: MIDFLUENT
Sample Location: 229 NORTH MAIN ST., NATICK, MA

Date Collected: 05/25/17 14:45
Date Received: 05/26/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 06/01/17 14:28
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/l	1.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-03 Date Collected: 05/25/17 14:45

Client ID: MIDFLUENT Date Received: 05/26/17

Sample Location: 229 NORTH MAIN ST., NATICK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
2-Chloroethylvinyl ether	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	91		70-130

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/01/17 06:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1008797-5					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,3-Dichloropropene, Total	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--

Project Name: CLEAN CORP.
Project Number: 993-6861

Lab Number: L1717463
Report Date: 06/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/01/17 06:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1008797-5					
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
Xylene (Total)	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
1,2-Dichloroethene (total)	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	2.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/01/17 06:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1008797-5					
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.0	--
tert-Butyl Alcohol	ND		ug/l	10	--
2-Chloroethylvinyl ether	ND		ug/l	10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLEAN CORP.

Project Number: 993-6861

Lab Number: L1717463

Report Date: 06/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1008797-3 WG1008797-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	78		75		70-130	4		20
1,2-Dichloropropane	95		97		70-130	2		20
Dibromochloromethane	89		89		70-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	97		97		70-130	0		20
Trichlorofluoromethane	92		87		70-130	6		20
1,2-Dichloroethane	86		85		70-130	1		20
1,1,1-Trichloroethane	86		82		70-130	5		20
Bromodichloromethane	86		84		70-130	2		20
trans-1,3-Dichloropropene	110		110		70-130	0		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
1,1-Dichloropropene	100		96		70-130	4		20
Bromoform	90		94		70-130	4		20
1,1,2,2-Tetrachloroethane	110		110		70-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	92		84		70-130	9		20
Bromomethane	120		100		70-130	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLEAN CORP.

Project Number: 993-6861

Lab Number: L1717463

Report Date: 06/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1008797-3 WG1008797-4								
Vinyl chloride	110		98		70-130	12		20
Chloroethane	120		120		70-130	0		20
1,1-Dichloroethene	110		110		70-130	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	94		89		70-130	5		20
1,2-Dichlorobenzene	96		94		70-130	2		20
1,3-Dichlorobenzene	98		93		70-130	5		20
1,4-Dichlorobenzene	95		92		70-130	3		20
Methyl tert butyl ether	110		100		70-130	10		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	96		96		70-130	0		20
Dibromomethane	96		92		70-130	4		20
1,2,3-Trichloropropane	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	84		84		70-130	0		20
Acetone	82		84		70-130	2		20
Carbon disulfide	110		100		70-130	10		20
2-Butanone	91		72		70-130	**23**	Q	20
4-Methyl-2-pentanone	110		110		70-130	0		20
2-Hexanone	80		83		70-130	4		20
Bromochloromethane	89		83		70-130	7		20
Tetrahydrofuran	78		74		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLEAN CORP.

Project Number: 993-6861

Lab Number: L1717463

Report Date: 06/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1008797-3 WG1008797-4								
2,2-Dichloropropane	91		93		70-130	2		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	120		120		70-130	0		20
1,1,1,2-Tetrachloroethane	89		89		70-130	0		20
Bromobenzene	99		94		70-130	5		20
n-Butylbenzene	96		92		70-130	4		20
sec-Butylbenzene	96		92		70-130	4		20
tert-Butylbenzene	91		88		70-130	3		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	93		100		70-130	7		20
Hexachlorobutadiene	110		100		70-130	10		20
Isopropylbenzene	97		91		70-130	6		20
p-Isopropyltoluene	94		92		70-130	2		20
Naphthalene	93		95		70-130	2		20
n-Propylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	99		97		70-130	2		20
1,3,5-Trimethylbenzene	96		96		70-130	0		20
1,2,4-Trimethylbenzene	99		95		70-130	4		20
Ethyl ether	120		120		70-130	0		20
Isopropyl Ether	78		77		70-130	1		20
Ethyl-Tert-Butyl-Ether	98		90		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLEAN CORP.

Project Number: 993-6861

Lab Number: L1717463

Report Date: 06/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1008797-3 WG1008797-4								
Tertiary-Amyl Methyl Ether	100		99		70-130	1		20
1,4-Dioxane	**140**	Q	130		70-130	7		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		96		70-130	4		20
tert-Butyl Alcohol	110		108		70-130	2		20
2-Chloroethylvinyl ether	120		120		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		86		70-130
Toluene-d8	112		111		70-130
4-Bromofluorobenzene	111		113		70-130
Dibromofluoromethane	95		85		70-130

METALS

Project Name: CLEAN CORP.
Lab Number: L1717463
Project Number: 993-6861
Report Date: 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-01
Client ID: INFLUENT
Sample Location: 229 NORTH MAIN ST., NATICK, MA
Matrix: Water

Date Collected: 05/25/17 14:50
Date Received: 05/26/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Copper, Total	0.0015		mg/l	0.0005	--	1	05/30/17 11:45	06/01/17 14:31	EPA 3005A	97,6020A	AM
Iron, Total	ND		mg/l	0.050	--	1	05/30/17 11:45	06/01/17 14:31	EPA 3005A	97,6020A	AM
Lead, Total	ND		mg/l	0.0010	--	1	05/30/17 11:45	06/01/17 14:31	EPA 3005A	97,6020A	AM

Project Name: CLEAN CORP.
Lab Number: L1717463
Project Number: 993-6861
Report Date: 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-02
Client ID: EFFLUENT
Sample Location: 229 NORTH MAIN ST., NATICK, MA
Matrix: Water

Date Collected: 05/25/17 14:40
Date Received: 05/26/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Copper, Total	0.0005		mg/l	0.0005	--	1	05/30/17 11:45	06/01/17 14:35	EPA 3005A	97,6020A	AM
Iron, Total	ND		mg/l	0.050	--	1	05/30/17 11:45	06/01/17 14:35	EPA 3005A	97,6020A	AM
Lead, Total	ND		mg/l	0.0010	--	1	05/30/17 11:45	06/01/17 14:35	EPA 3005A	97,6020A	AM

Project Name: CLEAN CORP. **Lab Number:** L1717463

Project Number: 993-6861 **Report Date:** 06/05/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1008049-1										
Copper, Total	ND		mg/l	0.0005	--	1	05/30/17 11:45	06/01/17 14:15	97,6020A	AM
Iron, Total	ND		mg/l	0.050	--	1	05/30/17 11:45	06/01/17 14:15	97,6020A	AM
Lead, Total	ND		mg/l	0.0010	--	1	05/30/17 11:45	06/01/17 14:15	97,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLEAN CORP.

Project Number: 993-6861

Lab Number: L1717463

Report Date: 06/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1008049-2 WG1008049-3								
Copper, Total	97		103		80-120	6		20
Iron, Total	114		114		80-120	0		20
Lead, Total	103		106		80-120	3		20

INORGANICS
&
MISCELLANEOUS

Project Name: CLEAN CORP.
Project Number: 993-6861

Lab Number: L1717463
Report Date: 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-01
Client ID: INFLUENT
Sample Location: 229 NORTH MAIN ST., NATICK, MA
Matrix: Water

Date Collected: 05/25/17 14:50
Date Received: 05/26/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	05/27/17 10:35	121,2540D	VB
Anions by Ion Chromatography - Westborough Lab										
Chloride	153.		mg/l	12.5	--	25	-	06/01/17 19:18	44,300.0	AU

Project Name: CLEAN CORP.
Project Number: 993-6861

Lab Number: L1717463
Report Date: 06/05/17

SAMPLE RESULTS

Lab ID: L1717463-02
Client ID: EFFLUENT
Sample Location: 229 NORTH MAIN ST., NATICK, MA
Matrix: Water

Date Collected: 05/25/17 14:40
Date Received: 05/26/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	05/27/17 10:35	121,2540D	VB
Anions by Ion Chromatography - Westborough Lab										
Chloride	154.		mg/l	12.5	--	25	-	06/01/17 21:31	44,300.0	AU

Project Name: CLEAN CORP.
Project Number: 993-6861
Lab Number: L1717463
Report Date: 06/05/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1007657-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	05/27/17 10:35	121,2540D	VB
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-02 Batch: WG1009438-1										
Chloride	ND		mg/l	0.500	--	1	-	06/01/17 17:23	44,300.0	AU

Lab Control Sample Analysis

Batch Quality Control

Project Name: CLEAN CORP.

Project Number: 993-6861

Lab Number: L1717463

Report Date: 06/05/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-02 Batch: WG1009438-2								
Chloride	100		-		90-110	-		

Project Name: CLEAN CORP.
Project Number: 993-6861

Lab Number: L1717463
Report Date: 06/05/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1717463-01A	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)
L1717463-01B	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)
L1717463-01C	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)
L1717463-01D	Plastic 250ml HNO3 preserved	A	<2	5.1	Y	Absent	MCP-FE-6020T-10(180),MCP-CU-6020T-10(180),MCP-PB-6020T-10(180)
L1717463-01E	Plastic 250ml unpreserved	A	7	5.1	Y	Absent	CL-300(28)
L1717463-01F	Plastic 950ml unpreserved	A	7	5.1	Y	Absent	TSS-2540(7)
L1717463-02A	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)
L1717463-02B	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)
L1717463-02C	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)
L1717463-02D	Plastic 250ml HNO3 preserved	A	<2	5.1	Y	Absent	MCP-FE-6020T-10(180),MCP-CU-6020T-10(180),MCP-PB-6020T-10(180)
L1717463-02E	Plastic 250ml unpreserved	A	7	5.1	Y	Absent	CL-300(28)
L1717463-02F	Plastic 950ml unpreserved	A	7	5.1	Y	Absent	TSS-2540(7)
L1717463-03A	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)
L1717463-03B	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)
L1717463-03C	Vial HCl preserved	A	N/A	5.1	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	CLEAN CORP.	**Lab Number:**	L1717463
Project Number:	993-6861	**Report Date:**	06/05/17

GLOSSARY

Acronyms

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

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: Data Usability Report

Project Name:	CLEAN CORP.	**Lab Number:**	L1717463
Project Number:	993-6861	**Report Date:**	06/05/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: Data Usability Report

Project Name:	CLEAN CORP.	**Lab Number:**	L1717463
Project Number:	993-6861	**Report Date:**	06/05/17

REFERENCES

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: 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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

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

Mansfield Facility:

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

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

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

EST Associates, Inc.
51 Fremont Street Needham, MA 02494 Tel: 781-455-0003, Fax: 781-455-8336

5/26/17 L1717463

CHAIN OF CUSTODY RECORD

Laboratory: Alpha (508) 898-9220

Client	229 N Main Street Limited Partnership
Address	6 Old Lantern Circle Paxton, MA 01612
Contact	Carole Kirsch
Phone #	Fax:
Project Name	Clean Corp (Golder # 993-6861)
Address	229 North Main Street Natick, MA
Contact	Andrew Koff tel: Office: 603-668-0880
Location ID #	
Description	GRTS Monthly Sampling PO#

MATRIX
1. Wastewater
2. Groundwater
3. Drinking Water
4. Soil
5. Surface Water
6. Other

EST to Invoice: 229 N Main LP
Lab to Invoice: EST - Q#EST090803
Lab Report to: Adex
Billing Reference: Quote: 6680710-09B

Field ID / Point of Collection	Collection Date	Collection Time	Matrix	# of bottles Glass	Plastic	VOA's	Preservation HCL	NaOH	HNO3	H2So4	MEOH	Other	None	VOCs 8260B	TSS	Total Metals (Cu, Fe, Pb) by EPA 6020	Chloride by EPA 300.0
Influent	5/25/17	1450	1		3	3	3		1				2	X	X	X	X
Effluent	↓	1440	1		3	3	3		1				2	X	X	X	X
Midfluent	↓	1445	1			3	3							x*			

Comments:
Effluent pH = 6.39

Turnaround Information
- ☐ Std. 10 Day Turnaround
- ☒ 7 Day RUSH (no surcharge)
- ☐ 4 Day RUSH
- ☐ 3 Day RUSH
- ☐ 2 Day RUSH
- ☐ 1 Day RUSH

Approved By:

QA/QC
SPECIAL QA/QC or DATA Requirements:
All results are RGP.
"for midfluent sample Report 601 VOC list only". *

Additional Information
Bottle Set:
VOC 8260: 3 VOAs HCl
TSS: 1LP unpreserved
Metals: 500P HNO3
VOC 601(run as 8260): 3 VOAs HCl
Chloride: 250ml unpreserved

Sample Custody must be documented below each time samples change possesion, including courier delivery.

	Date Time:	Received By:	Date Time:
Relinquished by Sampler:	5/26/17 0800	1	5/26/17 08:00
Relinquished by Sampler: 2	Date Time:	Received By: 2	Date Time:
Relinquished by Sampler: 3	Date Time:	Received By: 3	Date Time:

Seal # ☐ Preserve where applicable ☐ On Ice ☐ Temp.

Method Blank Summary
Form 4

Client	: EST Associates, Inc.	**Lab Number**	: L1717463
Project Name	: CLEAN CORP.	**Project Number**	: 993-6861
Lab Sample ID	: WG1008797-5	**Lab File ID**	: VJ170601A09
Instrument ID	: JACK		
Matrix	: WATER	**Analysis Date**	: 06/01/17 06:02

Client Sample No.	Lab Sample ID	Analysis Date
WG1008797-3LCS	WG1008797-3	06/01/17 04:21
WG1008797-4LCSD	WG1008797-4	06/01/17 04:55
EFFLUENT	L1717463-02	06/01/17 13:54
MIDFLUENT	L1717463-03	06/01/17 14:28
INFLUENT	L1717463-01D	06/01/17 15:02

Continuing Calibration
Form 7

Client	: EST Associates, Inc.	Lab Number	: L1717463	
Project Name	: CLEAN CORP.	Project Number	: 993-6861	
Instrument ID	: JACK	Calibration Date	: 06/01/17 04:21	
Lab File ID	: VJ170601A03	Init. Calib. Date(s)	: 04/25/17	04/25/17
Sample No	: WG1008797-2	Init. Calib. Times	: 04:05	07:58
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	10	10	-	0	20	68	0
Dichlorodifluoromethane	0.431	0.361	-	16.2	20	55	0
Chloromethane	0.412	0.381	-	7.5	20	64	0
Vinyl chloride	0.367	0.405	-	-10.4	20	76	0
Bromomethane	10	11.528	-	-15.3	20	90	0
Chloroethane	0.183	0.223	-	-21.9*	20	80	0
Trichlorofluoromethane	0.594	0.549	-	7.6	20	60	0
Ethyl ether	0.115	0.14	-	-21.7*	20	78	0
1,1-Dichloroethene	0.28	0.31	-	-10.7	20	74	0
Carbon disulfide	0.76	0.818	-	-7.6	20	75	0
Freon-113	0.291	0.293	-	-0.7	20	64	0
Methylene chloride	0.284	0.322	-	-13.4	20	78	0
Acetone	10	8.159	-	18.4	20	55	0
trans-1,2-Dichloroethene	0.322	0.346	-	-7.5	20	72	0
Methyl tert-butyl ether	0.683	0.733	-	-7.3	20	72	0
tert-Butyl alcohol	0.016	0.017*	-	-6.3	20	73	0
Diisopropyl ether	1.01	0.791	-	21.7*	20	55	0
1,1-Dichloroethane	0.555	0.552	-	0.5	20	69	0
Ethyl tert-butyl ether	0.877	0.864	-	1.5	20	68	0
cis-1,2-Dichloroethene	0.384	0.368	-	4.2	20	68	0
2,2-Dichloropropane	0.589	0.534	-	9.3	20	63	0
Bromochloromethane	0.192	0.171	-	10.9	20	61	0
Chloroform	0.629	0.581	-	7.6	20	62	0
Carbon tetrachloride	0.628	0.49	-	22*	20	54	0
Tetrahydrofuran	0.074	0.058	-	21.6*	20	56	0
Dibromofluoromethane	0.255	0.242	-	5.1	20	65	0
1,1,1-Trichloroethane	0.673	0.578	-	14.1	20	58	0
2-Butanone	0.088	0.08*	-	9.1	20	60	0
1,1-Dichloropropene	0.49	0.514	-	-4.9	20	72	0
Benzene	1.386	1.445	-	-4.3	20	74	0
tert-Amyl methyl ether	0.772	0.792	-	-2.6	20	72	0
1,2-Dichloroethane-d4	0.269	0.265	-	1.5	20	65	0
1,2-Dichloroethane	0.463	0.399	-	13.8	20	58	0
Trichloroethene	0.423	0.396	-	6.4	20	69	0
Dibromomethane	0.184	0.177	-	3.8	20	65	0
1,2-Dichloropropane	0.316	0.301	-	4.7	20	66	0
2-Chloroethyl vinyl ether	0.101	0.118	-	-16.8	20	92	0
Bromodichloromethane	0.513	0.444	-	13.5	20	63	0
1,4-Dioxane	0.00215	0.00301*	-	-40*	20	91	0
cis-1,3-Dichloropropene	0.597	0.604	-	-1.2	20	70	0
Chlorobenzene-d5	1	1	-	0	20	62	0
Toluene-d8	1.05	1.173	-	-11.7	20	70	0
Toluene	1.033	1.12	-	-8.4	20	70	0
4-Methyl-2-pentanone	10	11.175	-	-11.8	20	66	0
Tetrachloroethene	0.591	0.594	-	-0.5	20	61	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: EST Associates, Inc.	Lab Number	: L1717463	
Project Name	: CLEAN CORP.	Project Number	: 993-6861	
Instrument ID	: JACK	Calibration Date	: 06/01/17 04:21	
Lab File ID	: VJ170601A03	Init. Calib. Date(s)	: 04/25/17	04/25/17
Sample No	: WG1008797-2	Init. Calib. Times	: 04:05	07:58
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
trans-1,3-Dichloropropene	0.478	0.523	-	-9.4	20	71	0
1,1,2-Trichloroethane	0.22	0.241	-	-9.5	20	73	0
Chlorodibromomethane	0.408	0.364	-	10.8	20	57	0
1,3-Dichloropropane	0.421	0.492	-	-16.9	20	72	0
1,2-Dibromoethane	0.295	0.301	-	-2	20	65	0
2-Hexanone	0.146	0.118	-	19.2	20	55	0
Chlorobenzene	1.362	1.323	-	2.9	20	62	0
Ethylbenzene	2.165	2.304	-	-6.4	20	69	0
1,1,1,2-Tetrachloroethane	0.492	0.439	-	10.8	20	56	0
p/m Xylene	0.937	0.974	-	-3.9	20	67	0
o Xylene	0.896	0.892	-	0.4	20	65	0
Styrene	1.461	1.5	-	-2.7	20	66	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	62	0
Bromoform	0.412	0.373	-	9.5	20	60	0
Isopropylbenzene	4.221	4.087	-	3.2	20	64	-.01
4-Bromofluorobenzene	0.715	0.797	-	-11.5	20	70	0
Bromobenzene	1.009	1.003	-	0.6	20	62	0
n-Propylbenzene	4.363	4.468	-	-2.4	20	66	-.01
1,1,2,2-Tetrachloroethane	10	11.146	-	-11.5	20	73	0
2-Chlorotoluene	2.841	2.947	-	-3.7	20	69	0
1,3,5-Trimethylbenzene	3.26	3.138	-	3.7	20	62	0
1,2,3-Trichloropropane	0.418	0.466	-	-11.5	20	77	0
4-Chlorotoluene	2.585	2.768	-	-7.1	20	70	0
tert-Butylbenzene	3.021	2.75	-	9	20	58	0
1,2,4-Trimethylbenzene	3.244	3.222	-	0.7	20	63	0
sec-Butylbenzene	3.897	3.734	-	4.2	20	62	0
p-Isopropyltoluene	3.488	3.279	-	6	20	57	0
1,3-Dichlorobenzene	1.964	1.917	-	2.4	20	61	0
1,4-Dichlorobenzene	1.965	1.867	-	5	20	59	0
n-Butylbenzene	2.573	2.469	-	4	20	65	0
1,2-Dichlorobenzene	1.782	1.702	-	4.5	20	58	0
1,2-Dibromo-3-chloropropan	10	9.288	-	7.1	20	60	-.01
Hexachlorobutadiene	0.398	0.435	-	-9.3	20	64	-.01
1,2,4-Trichlorobenzene	10	9.929	-	0.7	20	66	-.01
Naphthalene	10	9.337	-	6.6	20	65	-.02
1,2,3-Trichlorobenzene	10	10.191	-	-1.9	20	67	-.01

* Value outside of QC limits.