



April 8, 2011

Mr. Victor Alvarez
United States Environmental Protection Agency
New England – Region 1
5 Post Office Square, Suite 100
Boston, Massachusetts 02109

Re: Reauthorization for Dewatering Discharge
EPA Remedial General Permit
255 Andover Street, Wilmington, Massachusetts
Previous NPDES Permit #MAG 910196.
MassDEP RTN #3-14814

Dear Mr. Alvarez:

On behalf of Andover Street LLC, **Cooperstown Environmental LLC** has prepared this Notice of Intent requesting reauthorization for dewatering discharge under the MA EPA Remedial General Permit (RGP).

The previous NPDES RGP Permit was authorized in February 2006 (Permit #MAG910196). The site is covered by the Massachusetts Contingency Plan (MCP) and has been assigned Release Transaction Number (RTN) #3-14814. A groundwater treatment system was installed in 1998 to address TCE contamination. Monthly testing performed in accordance with EPA Remedial General Permit issued in 2006 continues to meet effluent requirements of the permit.

If you have any questions or need additional information feel free to contact me at (978) 470-4755.

Very sincerely yours,

Cooperstown Environmental LLC

James T. Curtis, PE, LSP
President

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General facility/site information. Please provide the following information about the site:

a) Name of facility/site :		Facility/site mailing address:	
Location of facility/site : longitude: _____ latitude: _____	Facility SIC code(s):	Street:	
b) Name of facility/site owner :		Town:	
Email address of facility/site owner:	State:	Zip:	County:
Telephone no. of facility/site owner :			
Fax no. of facility/site owner :	Owner is (check one): 1. Federal____ 2. State/Tribal____ 3. Private____ 4. Other ____ if so, describe:		
Address of owner (if different from site):			
Street:			
Town:	State:	Zip:	County:
c) Legal name of operator :	Operator telephone no:		
	Operator fax no.:		Operator email:
Operator contact name and title:			
Address of operator (if different from owner):	Street:		
Town:	State:	Zip:	County:

d) Check Y for “yes” or N for “no” for the following: 1. Has a prior NPDES permit exclusion been granted for the discharge? Y___ N___, if Y, number:_____ 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Y___ N___, if Y, date and tracking #:_____ 3. Is the discharge a “new discharge” as defined by 40 CFR 122.2? Y___ N___ 4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y___ N___	
e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y___ N___ If Y, please list: 1. site identification # assigned by the state of NH or MA: _____ 2. permit or license # assigned: _____ 3. state agency contact information: name, location, and telephone number: _____	f) Is the site/facility covered by any other EPA permit, including: 1. Multi-Sector General Permit? Y___ N___, if Y, number: _____ 2. Final Dewatering General Permit? Y___ N___, if Y, number: _____ 3. EPA Construction General Permit? Y___ N___, if Y, number: _____ 4. Individual NPDES permit? Y___ N___, if Y, number: _____ 5. any other water quality related individual or general permit? Y___ N___, if Y, number: _____
g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y___ N___	
h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.	
<u>Activity Category</u>	<u>Activity Sub-Category</u>
I - Petroleum Related Site Remediation	A. Gasoline Only Sites _____ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) _____ C. Petroleum Sites with Additional Contamination _____
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites _____ B. VOC Sites with Additional Contamination _____ C. Primarily Heavy Metal Sites _____
III - Contaminated Construction Dewatering	A. General Urban Fill Sites _____ B. Known Contaminated Sites _____

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ____ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ____ C. Hydrostatic Testing of Pipelines and Tanks ____ D. Long-Term Remediation of Contaminated Sumps and Dikes ____ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ____
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2. Discharge information. Please provide information about the discharge, (attaching additional sheets as necessary) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:	
b) Provide the following information about each discharge:	
1) Number of discharge points:	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft ³ /s)? Max. flow _____ Is maximum flow a design value ? Y___ N___ Average flow (include units) _____ Is average flow a design value or estimate? _____
3) Latitude and longitude of each discharge within 100 feet: pt.1: lat. _____ long. _____; pt.2: lat. _____ long. _____; pt.3: lat. _____ long. _____; pt.4: lat. _____ long. _____; pt.5: lat. _____ long. _____; pt.6: lat. _____ long. _____; pt.7: lat. _____ long. _____; pt.8: lat. _____ long. _____; etc.	
4) If hydrostatic testing, total volume of the discharge (gals): _____	5) Is the discharge intermittent ____ or seasonal ____? Is discharge ongoing? Y*____ N_____
c) Expected dates of discharge (mm/dd/yy): start _____ end _____	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
1. Total Suspended Solids (TSS)											
2. Total Residual Chlorine (TRC)											
3. Total Petroleum Hydrocarbons (TPH)											
4. Cyanide (CN)	57125										
5. Benzene (B)	71432										
6. Toluene (T)	108883										
7. Ethylbenzene (E)	100414										
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207										
9. Total BTEX ²	n/a										
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) ³	106934										
11. Methyl-tert-Butyl Ether (MtBE)	1634044										
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650										

* Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

² BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

³ EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
13. tert-Amyl Methyl Ether (TAME)	9940508										
14. Naphthalene	91203										
15. Carbon Tetrachloride	56235										
16. 1,2 Dichlorobenzene (o-DCB)	95501										
17. 1,3 Dichlorobenzene (m-DCB)	541731										
18. 1,4 Dichlorobenzene (p-DCB)	106467										
18a. Total dichlorobenzene											
19. 1,1 Dichloroethane (DCA)	75343										
20. 1,2 Dichloroethane (DCA)	107062										
21. 1,1 Dichloroethene (DCE)	75354										
22. cis-1,2 Dichloroethene (DCE)	156592										
23. Methylene Chloride	75092										
24. Tetrachloroethene (PCE)	127184										
25. 1,1,1 Trichloro-ethane (TCA)	71556										
26. 1,1,2 Trichloro-ethane (TCA)	79005										
27. Trichloroethene (TCE)	79016										

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
28. Vinyl Chloride (Chloroethene)	75014										
29. Acetone	67641										
30. 1,4 Dioxane	123911										
31. Total Phenols	108952										
32. Pentachlorophenol (PCP)	87865										
33. Total Phthalates (Phthalate esters) ⁴											
34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	117817										
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)											
a. Benzo(a) Anthracene	56553										
b. Benzo(a) Pyrene	50328										
c. Benzo(b)Fluoranthene	205992										
d. Benzo(k)Fluoranthene	207089										
e. Chrysene	21801										
f. Dibenzo(a,h)anthracene	53703										
g. Indeno(1,2,3-cd) Pyrene	193395										
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)											

⁴The sum of individual phthalate compounds.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
h. Acenaphthene	83329										
i. Acenaphthylene	208968										
j. Anthracene	120127										
k. Benzo(ghi) Perylene	191242										
l. Fluoranthene	206440										
m. Fluorene	86737										
n. Naphthalene	91203										
o. Phenanthrene	85018										
p. Pyrene	129000										
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.										
38. Chloride	16887006										
39. Antimony	7440360										
40. Arsenic	7440382										
41. Cadmium	7440439										
42. Chromium III (trivalent)	16065831										
43. Chromium VI (hexavalent)	18540299										
44. Copper	7440508										
45. Lead	7439921										
46. Mercury	7439976										
47. Nickel	7440020										
48. Selenium	7782492										
49. Silver	7440224										
50. Zinc	7440666										
51. Iron	7439896										
Other (describe):											

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

<i>Step 1:</i> Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y____ N____	If yes, which metals?
<i>Step 2:</i> For any metals which exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metal:_____DF:_____ Metal:_____DF:_____ Metal:_____DF:_____ Metal:_____DF:_____ Etc.	Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y____ N____ If Y, list which metals:

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

b) Identify each applicable treatment unit (check all that apply):	Frac. tank	Air stripper	Oil/water separator	Equalization tanks	Bag filter	GAC filter
	Chlorination	De-chlorination	Other (please describe):			

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate(s)** (gallons per minute) of the treatment system:

Average flow rate of discharge _____ gpm Maximum flow rate of treatment system _____ gpm

Design flow rate of treatment system _____ gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct to receiving water _____	Within facility (sewer) _____	Storm drain _____	Wetlands _____	Other (describe): _____
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:					
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.					
d) Provide the state water quality classification of the receiving water _____					
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water _____ cfs Please attach any calculation sheets used to support stream flow and dilution calculations.					
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Y____ N____ If yes, for which pollutant(s)? Organic enrichment, low DO, pathogens, other habitat alterations					
Is there a final TMDL? Y____ N____ If yes, for which pollutant(s)? _____					

6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

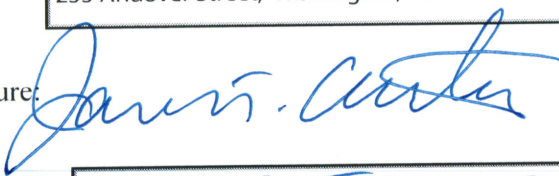
- a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?
A ____ B ____ C ____ D ____ E ____ F ____
- b) If you selected Criterion D or F, has consultation with the federal services been completed? Y ____ N ____ Underway ____
- c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is “not likely to adversely affect” listed species or critical habitat received? Y ____ N ____
- d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.
- e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?
1 ____ 2 ____ 3 ____
- f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

7. Supplemental information.

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

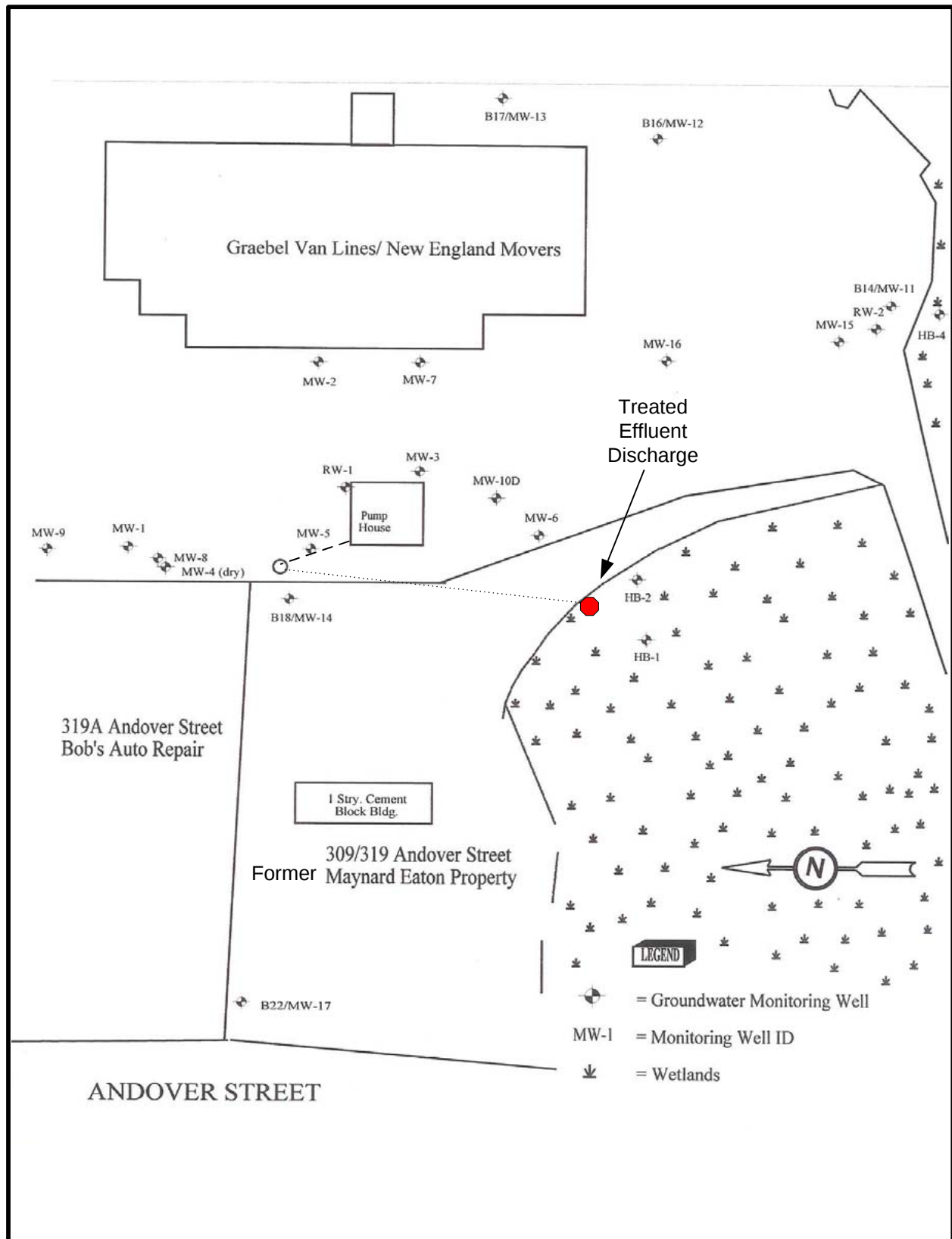
8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

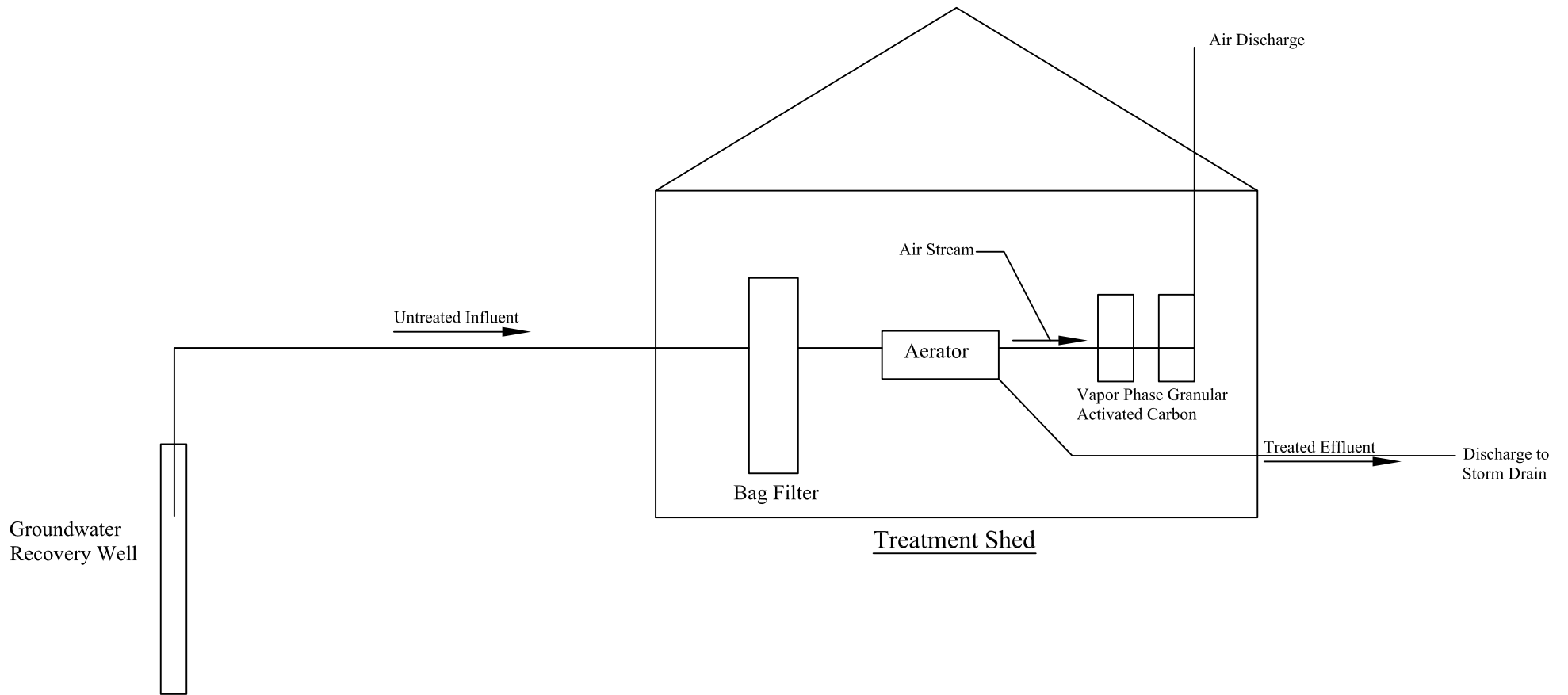
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

Facility/Site Name:	255 Andover Street, Wilmington, Massachusetts
Operator signature:	
Printed Name & Title:	JAMES T. CURTIS
Date:	APRIL 8, 2011



	USGS Wilmington Quad via TopoZone December 27, 2005 FIGURE 1 – SITE LOCUS ANDOVER STREET LLC 255 ANDOVER STREET WILMINGTON, MASSACHUSETTS  Scale: 1 inch = 2000 Feet
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Treatment System Schematic
NOT TO SCALE

**255 Andover Street
Wilmington, Massachusetts**

LOCATION SAMPLING DATE LAB SAMPLE ID	CasNum	EPA RGP Effluent Limits	Units	INFLUENT 3/14/2011 L1103377-01	INFLUENT 3/23/2011 L1103771-01
General Chemistry					
Solids, Total Suspended	NONE		ug/l	5000 U	-
Cyanide, Total	57-12-5		ug/l	12	-
Chlorine, Total Residual	NONE		ug/l	20 U	-
Chloride	16887-00-6		ug/l	89000	-
TPH	NONE	5	ug/l	4000 U	-
pH (H)	12408-02-5		SU	5.9	-
Phenolics, Total	NONE		ug/l	30 U	-
Chromium, Hexavalent	18540-29-9		ug/l	10 U	-
Pesticides by GC					
1,2-Dibromoethane	106-93-4		ug/l	0.01 U	-
Polychlorinated Biphenyls by GC					
Aroclor 1016	12674-11-2		ug/l	0.25 U	-
Aroclor 1221	11104-28-2		ug/l	0.25 U	-
Aroclor 1232	11141-16-5		ug/l	0.25 U	-
Aroclor 1242	53469-21-9		ug/l	0.25 U	-
Aroclor 1248	12672-29-6		ug/l	0.25 U	-
Aroclor 1254	11097-69-1		ug/l	0.25 U	-
Aroclor 1260	11096-82-5		ug/l	0.25 U	-
Total PCBs					
		0.000064		U	
Semivolatile Organics by GC/MS					
Benidine	92-87-5		ug/l	50 U	-
1,2,4-Trichlorobenzene	120-82-1		ug/l	5 U	-
Bis(2-chloroethyl)ether	111-44-4		ug/l	5 U	-
1,2-Dichlorobenzene	95-50-1	600	ug/l	5 U	-
1,3-Dichlorobenzene	541-73-1	320	ug/l	5 U	-
1,4-Dichlorobenzene	106-46-7	5	ug/l	5 U	-
3,3'-Dichlorobenzidine	91-94-1		ug/l	50 U	-
2,4-Dinitrotoluene	121-14-2		ug/l	6 U	-
2,6-Dinitrotoluene	606-20-2		ug/l	5 U	-
Azobenzene	103-33-3		ug/l	5 U	-
4-Chlorophenyl phenyl ether	7005-72-3		ug/l	5 U	-
4-Bromophenyl phenyl ether	101-55-3		ug/l	5 U	-
Bis(2-chloroisopropyl)ether	108-60-1		ug/l	5 U	-
Bis(2-chloroethoxy)methane	111-91-1		ug/l	5 U	-
Hexachlorocyclopentadiene	77-47-4		ug/l	30 U	-
Isophorone	78-59-1		ug/l	5 U	-
Nitrobenzene	98-95-3		ug/l	5 U	-
NitrosoDiPhenylAmine(NDPA)/DP	86-30-6		ug/l	15 U	-
Bis(2-Ethylhexyl)phthalate	117-81-7	6	ug/l	5 U	-
Butyl benzyl phthalate	85-68-7		ug/l	5 U	-
Di-n-butylphthalate	84-74-2		ug/l	5 U	-
Di-n-octylphthalate	117-84-0		ug/l	5 U	-
Diethyl phthalate	84-66-2		ug/l	5 U	-
Dimethyl phthalate	131-11-3		ug/l	5 U	-
Total Phthalates					
		3		U	
Aniline	62-53-3		ug/l	20 U	-
4-Chloroaniline	106-47-8		ug/l	5 U	-
2-Nitroaniline	88-74-4		ug/l	5 U	-
3-Nitroaniline	99-09-2		ug/l	5 U	-
4-Nitroaniline	100-01-6		ug/l	7 U	-
Dibenzofuran	132-64-9		ug/l	5 U	-
n-Nitrosodimethylamine	62-75-9		ug/l	50 U	-
2,4,6-Trichlorophenol	88-06-2		ug/l	5 U	-
P-Chloro-M-Cresol	59-50-7		ug/l	5 U	-
2-Chlorophenol	95-57-8		ug/l	6 U	-
2,4-Dichlorophenol	120-83-2		ug/l	10 U	-
2,4-Dimethylphenol	105-67-9		ug/l	10 U	-
2-Nitrophenol	88-75-5		ug/l	20 U	-
4-Nitrophenol	100-02-7		ug/l	10 U	-
2,4-Dinitrophenol	51-28-5		ug/l	30 U	-
4,6-Dinitro-o-cresol	534-52-1		ug/l	20 U	-
Phenol	108-95-2	300	ug/l	7 U	-
2-Methylphenol	95-48-7		ug/l	6 U	-
3-Methylphenol/4-Methylphenol	108-39-4		ug/l	6 U	-
2,4,5-Trichlorophenol	95-95-4		ug/l	5 U	-
Benzoic Acid	65-85-0		ug/l	50 U	-
Benzyl Alcohol	100-51-6		ug/l	10 U	-
Carbazole	86-74-8		ug/l	5 U	-
Pyridine	110-86-1		ug/l	50 U	-
Semivolatile Organics by GC/MS-SIM					
Acenaphthene	83-32-9		ug/l	0.2 U	-
2-Chloronaphthalene	91-58-7		ug/l	0.2 U	-
Fluoranthene	206-44-0		ug/l	0.2 U	-
Hexachlorobutadiene	87-68-3		ug/l	0.5 U	-
Naphthalene	91-20-3		ug/l	0.2 U	-
Benzo(a)anthracene	56-55-3		ug/l	0.2 U	-
Benzo(a)pyrene	50-32-8		ug/l	0.2 U	-
Benzo(b)fluoranthene	205-99-2		ug/l	0.2 U	-
Benzo(k)fluoranthene	207-08-9		ug/l	0.2 U	-
Chrysene	218-01-9		ug/l	0.2 U	-
Acenaphthylene	208-96-8		ug/l	0.2 U	-
Anthracene	120-12-7		ug/l	0.2 U	-
Benzo(ghi)perylene	191-24-2		ug/l	0.2 U	-

**255 Andover Street
Wilmington, Massachusetts**

LOCATION SAMPLING DATE LAB SAMPLE ID	CasNum	EPA RGP Effluent Limits	Units	INFLUENT 3/14/2011 L1103377-01	INFLUENT 3/23/2011 L1103771-01
Fluorene	86-73-7		ug/l	0.2 U	-
Phenanthrene	85-01-8		ug/l	0.2 U	-
Dibenzo(a,h)anthracene	53-70-3		ug/l	0.2 U	-
Indeno(1,2,3-cd)Pyrene	193-39-5		ug/l	0.2 U	-
Pyrene	129-00-0		ug/l	0.2 U	-
1-Methylnaphthalene	90-12-0		ug/l	0.2 U	-
2-Methylnaphthalene	91-57-6		ug/l	0.2 U	-
Pentachlorophenol	87-86-5	1	ug/l	0.8 U	-
Hexachlorobenzene	118-74-1		ug/l	0.8 U	-
Hexachloroethane	67-72-1		ug/l	0.8 U	-
Volatile Organics by GC/MS					
Methylene chloride	75-09-2	4.6	ug/l	-	5 U
1,1-Dichloroethane	75-34-3	3.2	ug/l	-	1.5 U
Chloroform	67-66-3		ug/l	-	1.5 U
Carbon tetrachloride	56-23-5	4.4	ug/l	-	1 U
1,2-Dichloropropane	78-87-5		ug/l	-	3.5 U
Dibromochloromethane	124-48-1		ug/l	-	1 U
1,1,2-Trichloroethane	79-00-5	5	ug/l	-	1.5 U
2-Chloroethylvinyl ether	110-75-8		ug/l	-	10 U
Tetrachloroethene	127-18-4	5	ug/l	-	1.5 U
Chlorobenzene	108-90-7		ug/l	-	3.5 U
Trichlorofluoromethane	75-69-4		ug/l	-	5 U
1,2-Dichloroethane	107-06-2	5	ug/l	-	1.5 U
1,1,1-Trichloroethane	71-55-6	200	ug/l	-	2 U
Bromodichloromethane	75-27-4		ug/l	-	1 U
trans-1,3-Dichloropropene	10061-02-6		ug/l	-	1.5 U
cis-1,3-Dichloropropene	10061-01-5		ug/l	-	1.5 U
Bromoform	75-25-2		ug/l	-	1 U
1,1,2,2-Tetrachloroethane	79-34-5		ug/l	-	1 U
Benzene	71-43-2		ug/l	-	1 U
Toluene	108-88-3		ug/l	-	1 U
Ethylbenzene	100-41-4		ug/l	-	1 U
Chloromethane	74-87-3		ug/l	-	10 U
Bromomethane	74-83-9		ug/l	-	5 U
Vinyl chloride	75-01-4	2	ug/l	-	2 U
Chloroethane	75-00-3		ug/l	-	2 U
1,1-Dichloroethene	75-35-4	70	ug/l	-	1 U
trans-1,2-Dichloroethene	156-60-5		ug/l	-	1.5 U
cis-1,2-Dichloroethene	156-59-2	70	ug/l	-	1 U
Trichloroethene	79-01-6	5	ug/l	-	13
1,2-Dichlorobenzene	95-50-1		ug/l	-	5 U
1,3-Dichlorobenzene	541-73-1		ug/l	-	5 U
1,4-Dichlorobenzene	106-46-7		ug/l	-	5 U
p/m-Xylene	106-42-3/108-38-3		ug/l	-	2 U
o-xylene	95-47-6		ug/l	-	1 U
Xylene (Total)	1330-20-7		ug/l	-	2 U
Styrene	100-42-5		ug/l	-	1 U
Acetone	67-64-1	MO	ug/l	-	10 U
Carbon disulfide	75-15-0		ug/l	-	5 U
2-Butanone	78-93-3		ug/l	-	10 U
Vinyl acetate	108-05-4		ug/l	-	20 U
4-Methyl-2-pentanone	108-10-1		ug/l	-	10 U
2-Hexanone	591-78-6		ug/l	-	10 U
Acrolein	107-02-8		ug/l	-	8 U
Acrylonitrile	107-13-1		ug/l	-	10 U
Dibromomethane	74-95-3		ug/l	-	1 U
1,4-Dioxane	123-91-1	MO	ug/l	-	2000 U
Tert-Butyl Alcohol	75-65-0		ug/l	-	100 U
Tertiary-Amyl Methyl Ether	994-05-8		ug/l	-	20 U
Total BTEX		100	ug/l	-	U
Total Metals					
Antimony, Total	7440-36-0		ug/l	1 U	-
Arsenic, Total	7440-38-2		ug/l	1.3	-
Cadmium, Total	7440-43-9		ug/l	0.2 U	0.2 U
Chromium, Total	7440-47-3		ug/l	1.2	-
Copper, Total	7440-50-8		ug/l	7.2	-
Iron, Total	7439-89-6	1000	ug/l	100	50 U
Lead, Total	7439-92-1		ug/l	2.2	-
Mercury, Total	7439-97-6		ug/l	0.2 U	-
Nickel, Total	7440-02-0		ug/l	2	-
Selenium, Total	7782-49-2		ug/l	2	-
Silver, Total	7440-22-4		ug/l	0.4 U	-
Zinc, Total	7440-66-6		ug/l	68.3	-

Notes

EPA RGP Effluent Limits based on Category II-A- Non-Petroleum - VOC Only Sites

"MO" = Parameter is required to be monitored only

"U" = Denotes parameter not detected at laboratory detection limit

Bold and highlighted indicated influent paramter exceeds EPA RGP Effluent Limits



ANALYTICAL REPORT

Lab Number:	L1103377
Client:	Cooperstown Environmental LLC 23 Main Street Andover, MA 01810-0814
ATTN:	Sean Foster
Phone:	(978) 470-4755
Project Name:	ANDOVER STREET LLC
Project Number:	Not Specified
Report Date:	03/22/11

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Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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



Project Name: ANDOVER STREET LLC
Project Number: Not Specified

Lab Number: L1103377
Report Date: 03/22/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1103377-01	INFLUENT	ANDOVER ST. WILMINGTON	03/14/11 12:45

Project Name: ANDOVER STREET LLC
Project Number: Not Specified

Lab Number: L1103377
Report Date: 03/22/11

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

The analyses of Total Residual Chlorine and Hexavalent Chromium were received with the method required holding times exceeded and were performed at the client's request.

Semivolatile Organics

The WG459117-2 LCS recovery, associated with L1103377-01, was above the acceptance criteria for 4-Nitrophenol (100%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported. In addition, the WG459117-2/-3 LCS/LCSD RPD, associated with L1103377-01, is above the acceptance criteria for 4-Nitrophenol (34%).

The WG459117-2/-3 LCS/LCSD RPD, associated with L1103377-01, is above the acceptance criteria for Phenol (46%); however, the individual LCS/LCSD recoveries are within method limits.

Project Name: ANDOVER STREET LLC
Project Number: Not Specified

Lab Number: L1103377
Report Date: 03/22/11

Case Narrative (continued)

Metals

The WG458914-3 Laboratory Duplicate RPD, performed on L1103377-01, is above the acceptance criteria for Iron (30%); however, the sample and Duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

The WG458915-3 Laboratory Duplicate RPD, performed on L1103377-01, is above the acceptance criteria for Chromium (35%); however, the sample and Duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Chloride

L1103377-01 has an elevated detection limit due to the dilution required by the matrix.

Chlorine, Total Residual

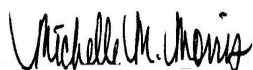
WG458766: A Laboratory Duplicate could not be performed due to insufficient sample volume available for analysis.

Cyanide, Total

The WG459145-4 Laboratory Duplicate RPD (56%), performed on L1103377-01, is above the acceptance criteria; however, the sample and Duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 03/22/11

ORGANICS

VOLATILES

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**SAMPLE RESULTS**

Lab ID: L1103377-01
Client ID: INFLUENT
Sample Location: ANDOVER ST. WILMINGTON
Matrix: Water
Analytical Method: 14,504.1
Analytical Date: 03/17/11 16:51
Analyst: SH

Date Collected: 03/14/11 12:45
Date Received: 03/15/11
Field Prep: Not Specified
Extraction Date: 03/17/11 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Pesticides by GC - Westborough Lab						
1,2-Dibromoethane	ND		ug/l	0.010	--	1

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**Method Blank Analysis**
Batch Quality Control

Analytical Method: 14,504.1

Analytical Date: 03/17/11 15:23

Analyst: SH

Extraction Date: 03/17/11 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG459340-1					
1,2-Dibromoethane	ND		ug/l	0.010	--
1,2-Dibromo-3-chloropropane	ND		ug/l	0.010	--

Lab Control Sample Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG459340-2								
1,2-Dibromoethane	95		-		70-130	-		20
1,2-Dibromo-3-chloropropane	91		-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459340-3 QC Sample: L1103319-01 Client ID: MS Sample												
1,2-Dibromoethane	ND	0.235	0.200	85		-	-		70-130	-		20
1,2-Dibromo-3-chloropropane	ND	0.235	0.186	79		-	-		70-130	-		20

SEMIVOLATILES

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**SAMPLE RESULTS**

Lab ID: L1103377-01
Client ID: INFLUENT
Sample Location: ANDOVER ST. WILMINGTON
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 03/18/11 16:57
Analyst: JB

Date Collected: 03/14/11 12:45
Date Received: 03/15/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/17/11 17:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzidine	ND		ug/l	50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	50	--	1
2,4-Dinitrotoluene	ND		ug/l	6.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	5.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	30	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	5.0	--	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	20	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	7.0	--	1
Dibenzofuran	ND		ug/l	5.0	--	1
n-Nitrosodimethylamine	ND		ug/l	50	--	1

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**SAMPLE RESULTS**

Lab ID: L1103377-01

Date Collected: 03/14/11 12:45

Client ID: INFLUENT

Date Received: 03/15/11

Sample Location: ANDOVER ST. WILMINGTON

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
P-Chloro-M-Cresol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	6.0	--	1
2,4-Dichlorophenol	ND		ug/l	10	--	1
2,4-Dimethylphenol	ND		ug/l	10	--	1
2-Nitrophenol	ND		ug/l	20	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	30	--	1
4,6-Dinitro-o-cresol	ND		ug/l	20	--	1
Phenol	ND		ug/l	7.0	--	1
2-Methylphenol	ND		ug/l	6.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	10	--	1
Carbazole	ND		ug/l	5.0	--	1
Pyridine	ND		ug/l	50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	51		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	105		33-120

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**SAMPLE RESULTS**

Lab ID: L1103377-01
Client ID: INFLUENT
Sample Location: ANDOVER ST. WILMINGTON
Matrix: Water
Analytical Method: 1,8270C-SIM
Analytical Date: 03/20/11 12:07
Analyst: HL

Date Collected: 03/14/11 12:45
Date Received: 03/15/11
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/17/11 17:35

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

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**SAMPLE RESULTS**

Lab ID: L1103377-01

Date Collected: 03/14/11 12:45

Client ID: INFLUENT

Date Received: 03/15/11

Sample Location: ANDOVER ST. WILMINGTON

Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	80		33-120

Project Name: ANDOVER STREET LLC

Lab Number: L1103377

Project Number: Not Specified

Report Date: 03/22/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C-SIM
 Analytical Date: 03/19/11 20:15
 Analyst: HL

Extraction Method: EPA 3510C
 Extraction Date: 03/17/11 17:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG459113-1					
Acenaphthene	ND		ug/l	0.20	--
2-Chloronaphthalene	ND		ug/l	0.20	--
Fluoranthene	ND		ug/l	0.20	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	0.20	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Chrysene	ND		ug/l	0.20	--
Acenaphthylene	ND		ug/l	0.20	--
Anthracene	ND		ug/l	0.20	--
Benzo(ghi)perylene	ND		ug/l	0.20	--
Fluorene	ND		ug/l	0.20	--
Phenanthrene	ND		ug/l	0.20	--
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pyrene	ND		ug/l	0.20	--
1-Methylnaphthalene	ND		ug/l	0.20	--
2-Methylnaphthalene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--
Hexachloroethane	ND		ug/l	0.80	--

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270C-SIM
Analytical Date: 03/19/11 20:15
Analyst: HLExtraction Method: EPA 3510C
Extraction Date: 03/17/11 17:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG459113-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	107		33-120

Project Name: ANDOVER STREET LLC

Lab Number: L1103377

Project Number: Not Specified

Report Date: 03/22/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 03/18/11 10:25
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 03/17/11 17:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG459117-1					
Acenaphthene	ND		ug/l	5.0	--
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Hexachlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
2-Chloronaphthalene	ND		ug/l	6.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--
1,4-Dichlorobenzene	ND		ug/l	5.0	--
3,3'-Dichlorobenzidine	ND		ug/l	50	--
2,4-Dinitrotoluene	ND		ug/l	6.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	5.0	--
Fluoranthene	ND		ug/l	5.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	5.0	--
4-Bromophenyl phenyl ether	ND		ug/l	5.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	5.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	10	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Hexachloroethane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	5.0	--
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	15	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	5.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--

Project Name: ANDOVER STREET LLC

Lab Number: L1103377

Project Number: Not Specified

Report Date: 03/22/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 03/18/11 10:25
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 03/17/11 17:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG459117-1					
Benzo(a)anthracene	ND		ug/l	5.0	--
Benzo(a)pyrene	ND		ug/l	5.0	--
Benzo(b)fluoranthene	ND		ug/l	5.0	--
Benzo(k)fluoranthene	ND		ug/l	5.0	--
Chrysene	ND		ug/l	5.0	--
Acenaphthylene	ND		ug/l	5.0	--
Anthracene	ND		ug/l	5.0	--
Benzo(ghi)perylene	ND		ug/l	5.0	--
Fluorene	ND		ug/l	5.0	--
Phenanthrene	ND		ug/l	5.0	--
Dibenzo(a,h)anthracene	ND		ug/l	5.0	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	7.0	--
Pyrene	ND		ug/l	5.0	--
Aniline	ND		ug/l	20	--
4-Chloroaniline	ND		ug/l	5.0	--
1-Methylnaphthalene	ND		ug/l	5.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	7.0	--
Dibenzofuran	ND		ug/l	5.0	--
2-Methylnaphthalene	ND		ug/l	5.0	--
n-Nitrosodimethylamine	ND		ug/l	50	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
P-Chloro-M-Cresol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	6.0	--
2,4-Dichlorophenol	ND		ug/l	10	--
2,4-Dimethylphenol	ND		ug/l	10	--
2-Nitrophenol	ND		ug/l	20	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	30	--
4,6-Dinitro-o-cresol	ND		ug/l	20	--

Project Name: ANDOVER STREET LLC

Lab Number: L1103377

Project Number: Not Specified

Report Date: 03/22/11

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 03/18/11 10:25
 Analyst: JB

Extraction Method: EPA 3510C
 Extraction Date: 03/17/11 17:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG459117-1					
Pentachlorophenol	ND		ug/l	10	--
Phenol	ND		ug/l	7.0	--
2-Methylphenol	ND		ug/l	6.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	6.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzoic Acid	ND		ug/l	50	--
Benzyl Alcohol	ND		ug/l	10	--
Carbazole	ND		ug/l	5.0	--
Pyridine	ND		ug/l	50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	92		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG459113-2 WG459113-3								
Acenaphthene	73		76		37-111	4		40
2-Chloronaphthalene	85		91		40-140	7		40
Fluoranthene	109		118		40-140	8		40
Anthracene	93		105		40-140	12		40
Pyrene	103		112		26-127	8		40
Pentachlorophenol	80		82		9-103	2		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		65		21-120
Phenol-d6	47		55		10-120
Nitrobenzene-d5	82		90		23-120
2-Fluorobiphenyl	71		78		15-120
2,4,6-Tribromophenol	113		106		10-120
4-Terphenyl-d14	101		112		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG459117-2 WG459117-3								
Acenaphthene	84		74		37-111	13		30
1,2,4-Trichlorobenzene	59		52		39-98	13		30
2-Chloronaphthalene	85		69		40-140	21		30
1,2-Dichlorobenzene	70		59		40-140	17		30
1,4-Dichlorobenzene	64		56		36-97	13		30
2,4-Dinitrotoluene	93		85		24-96	9		30
2,6-Dinitrotoluene	74		71		40-140	4		30
Fluoranthene	101		92		40-140	9		30
4-Chlorophenyl phenyl ether	91		76		40-140	18		30
n-Nitrosodi-n-propylamine	86		72		41-116	18		30
Butyl benzyl phthalate	106		97		40-140	9		30
Anthracene	100		88		40-140	13		30
Pyrene	101		88		26-127	14		30
P-Chloro-M-Cresol	90		79		23-97	13		30
2-Chlorophenol	76		70		27-123	8		30
2-Nitrophenol	67		54		30-130	21		30
4-Nitrophenol	100	Q	71		10-80	34	Q	30
2,4-Dinitrophenol	47		36		20-130	27		30
Pentachlorophenol	83		84		9-103	1		30
Phenol	64		40		12-110	46	Q	30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG459117-2 WG459117-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		54		21-120
Phenol-d6	61		36		10-120
Nitrobenzene-d5	88		74		23-120
2-Fluorobiphenyl	75		62		15-120
2,4,6-Tribromophenol	82		80		10-120
4-Terphenyl-d14	94		89		33-120

PCBS

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**SAMPLE RESULTS**

Lab ID: L1103377-01
Client ID: INFLUENT
Sample Location: ANDOVER ST. WILMINGTON
Matrix: Water
Analytical Method: 5,608
Analytical Date: 03/22/11 09:04
Analyst: SH

Date Collected: 03/14/11 12:45
Date Received: 03/15/11
Field Prep: Not Specified
Extraction Method: EPA 608
Extraction Date: 03/20/11 04:36
Cleanup Method1: EPA 3665A
Cleanup Date1: 03/22/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 03/22/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Polychlorinated Biphenyls by GC - Westborough Lab						
Aroclor 1016	ND		ug/l	0.250	--	1
Aroclor 1221	ND		ug/l	0.250	--	1
Aroclor 1232	ND		ug/l	0.250	--	1
Aroclor 1242	ND		ug/l	0.250	--	1
Aroclor 1248	ND		ug/l	0.250	--	1
Aroclor 1254	ND		ug/l	0.250	--	1
Aroclor 1260	ND		ug/l	0.250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11

Method Blank Analysis Batch Quality Control

Analytical Method: 5,608
 Analytical Date: 03/22/11 07:47
 Analyst: SH

Extraction Method: EPA 608
 Extraction Date: 03/20/11 04:36
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 03/22/11
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 03/22/11

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG459400-1					
Aroclor 1016	ND		ug/l	0.250	--
Aroclor 1221	ND		ug/l	0.250	--
Aroclor 1232	ND		ug/l	0.250	--
Aroclor 1242	ND		ug/l	0.250	--
Aroclor 1248	ND		ug/l	0.250	--
Aroclor 1254	ND		ug/l	0.250	--
Aroclor 1260	ND		ug/l	0.250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	80		30-150	A

Matrix Spike Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459400-3 QC Sample: L1103377-01 Client ID: INFLUENT												
Aroclor 1016	ND	2	1.78	89		-	-		40-126	-		30
Aroclor 1260	ND	2	2.08	104		-	-		40-127	-		30

Surrogate	MS		MSD		Acceptance Criteria	Column
	% Recovery	Qualifier	% Recovery	Qualifier		
2,4,5,6-Tetrachloro-m-xylene	76				30-150	A
Decachlorobiphenyl	100				30-150	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ANDOVER STREET LLC**Project Number:** Not Specified**Lab Number:** L1103377**Report Date:** 03/22/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG459400-2								
Aroclor 1016	86		-		40-126	-		30
Aroclor 1260	98		-		40-127	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58				30-150	A
Decachlorobiphenyl	89				30-150	A

Lab Duplicate Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459400-4 QC Sample: L1103377-01 Client ID: INFLUENT						
Aroclor 1016	ND	ND	ug/l	NC		30
Aroclor 1221	ND	ND	ug/l	NC		30
Aroclor 1232	ND	ND	ug/l	NC		30
Aroclor 1242	ND	ND	ug/l	NC		30
Aroclor 1248	ND	ND	ug/l	NC		30
Aroclor 1254	ND	ND	ug/l	NC		30
Aroclor 1260	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		68		30-150	A
Decachlorobiphenyl	70		89		30-150	A

METALS

Project Name: ANDOVER STREET LLC
Project Number: Not Specified

Lab Number: L1103377
Report Date: 03/22/11

SAMPLE RESULTS

Lab ID: L1103377-01
Client ID: INFLUENT
Sample Location: ANDOVER ST. WILMINGTON
Matrix: Water

Date Collected: 03/14/11 12:45
Date Received: 03/15/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0010	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Arsenic, Total	0.0013		mg/l	0.0005	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Chromium, Total	0.0012		mg/l	0.0005	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Copper, Total	0.0072		mg/l	0.0005	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Iron, Total	0.10		mg/l	0.05	--	1	03/16/11 13:25	03/18/11 12:47	EPA 3005A	19,200.7	AI
Lead, Total	0.0022		mg/l	0.0005	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Mercury, Total	ND		mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 09:58	EPA 245.1	3,245.1	AH
Nickel, Total	0.002		mg/l	0.0005	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Selenium, Total	0.002		mg/l	0.001	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0004	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM
Zinc, Total	0.0683		mg/l	0.0050	--	1	03/16/11 13:25	03/19/11 00:16	EPA 3005A	1,6020	BM



Project Name: ANDOVER STREET LLC

Lab Number: L1103377

Project Number: Not Specified

Report Date: 03/22/11

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG458914-1									
Iron, Total	ND	mg/l	0.05	--	1	03/16/11 13:25	03/18/11 12:40	19,200.7	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG458915-1									
Antimony, Total	ND	mg/l	0.0010	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Arsenic, Total	ND	mg/l	0.0005	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Cadmium, Total	ND	mg/l	0.0002	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Chromium, Total	ND	mg/l	0.0005	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Copper, Total	ND	mg/l	0.0005	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Lead, Total	ND	mg/l	0.0005	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Nickel, Total	ND	mg/l	0.0005	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Selenium, Total	ND	mg/l	0.001	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Silver, Total	ND	mg/l	0.0004	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM
Zinc, Total	ND	mg/l	0.0050	--	1	03/16/11 13:25	03/18/11 21:21	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG459193-1									
Mercury, Total	ND	mg/l	0.0002	--	1	03/17/11 18:00	03/18/11 09:54	3,245.1	AH

Prep Information

Digestion Method: EPA 245.1



Lab Control Sample Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG458914-2								
Iron, Total	98		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG458915-2								
Antimony, Total	100		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Cadmium, Total	108		-		80-120	-		
Chromium, Total	100		-		80-120	-		
Copper, Total	107		-		80-120	-		
Lead, Total	105		-		80-120	-		
Nickel, Total	106		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	100		-		80-120	-		
Zinc, Total	106		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG459193-2								
Mercury, Total	91		-		85-115	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458914-4 QC Sample: L1103377-01 Client ID: INFLUENT												
Iron, Total	0.10	1	1.0	90		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458915-4 QC Sample: L1103377-01 Client ID: INFLUENT												
Antimony, Total	ND	0.5	0.5112	102		-	-		80-120	-		20
Arsenic, Total	0.0013	0.12	0.1330	110		-	-		80-120	-		20
Cadmium, Total	ND	0.051	0.0564	111		-	-		80-120	-		20
Chromium, Total	0.0012	0.2	0.2014	100		-	-		80-120	-		20
Copper, Total	0.0072	0.25	0.2726	106		-	-		80-120	-		20
Lead, Total	0.0022	0.51	0.5444	106		-	-		80-120	-		20
Nickel, Total	0.002	0.5	0.5268	105		-	-		80-120	-		20
Selenium, Total	0.002	0.12	0.128	105		-	-		80-120	-		20
Silver, Total	ND	0.05	0.0502	100		-	-		80-120	-		20
Zinc, Total	0.0683	0.5	0.5964	106		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459193-4 QC Sample: L1103377-01 Client ID: INFLUENT												
Mercury, Total	ND	0.001	0.0011	115		-	-		70-130	-		20

Lab Duplicate Analysis Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458914-3 QC Sample: L1103377-01 Client ID: INFLUENT						
Iron, Total	0.10	0.07	mg/l	30		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458915-3 QC Sample: L1103377-01 Client ID: INFLUENT						
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.0013	0.0014	mg/l	5		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.0012	0.0008	mg/l	35		20
Copper, Total	0.0072	0.0072	mg/l	1		20
Lead, Total	0.0022	0.0021	mg/l	4		20
Nickel, Total	0.002	0.0020	mg/l	2		20
Selenium, Total	0.002	0.002	mg/l	4		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.0683	0.0678	mg/l	1		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459193-3 QC Sample: L1103377-01 Client ID: INFLUENT						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: ANDOVER STREET LLC
Project Number: Not Specified

Lab Number: L1103377
Report Date: 03/22/11

SAMPLE RESULTS

Lab ID: L1103377-01
Client ID: INFLUENT
Sample Location: ANDOVER ST. WILMINGTON
Matrix: Water

Date Collected: 03/14/11 12:45
Date Received: 03/15/11
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	-	03/17/11 17:30	30,2540D	DW
Cyanide, Total	0.012		mg/l	0.005	--	1	03/17/11 19:30	03/17/11 22:19	30,4500CN-CE	AT
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	03/15/11 21:00	30,4500CL-D	AT
Chloride	89		mg/l	10	--	10	-	03/15/11 21:58	30,4500CL-E	LA
TPH	ND		mg/l	4.00	--	1	03/15/11 20:45	03/17/11 17:30	74,1664A	JO
Phenolics, Total	ND		mg/l	0.03	--	1	03/16/11 18:00	03/17/11 01:02	4,420.1	TP
Chromium, Hexavalent	ND		mg/l	0.010	--	1	03/15/11 21:00	03/15/11 21:12	30,3500CR-D	TP



Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11

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: WG458741-1										
Chloride	ND		mg/l	1.0	--	1	-	03/15/11 20:53	30,4500CL-E	LA
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG458763-2										
TPH	ND		mg/l	4.00	--	1	03/15/11 20:45	03/17/11 17:30	74,1664A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG458764-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	03/15/11 21:00	03/15/11 21:11	30,3500CR-D	TP
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG458766-1										
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	03/15/11 21:00	30,4500CL-D	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG458950-1										
Phenolics, Total	ND		mg/l	0.03	--	1	03/16/11 18:00	03/17/11 00:52	4,420.1	TP
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG458972-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/17/11 17:30	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG459145-1										
Cyanide, Total	ND		mg/l	0.005	--	1	03/17/11 19:30	03/17/11 22:03	30,4500CN-CE	AT

Lab Control Sample Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG458741-2								
Chloride	90		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG458763-1								
TPH	100		-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG458764-2								
Chromium, Hexavalent	100		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG458766-2								
Chlorine, Total Residual	101		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG458950-2								
Phenolics, Total	105		-		82-111	-		12
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG459145-2								
Cyanide, Total	98		-		90-110	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

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: WG458741-3 QC Sample: L1103138-01 Client ID: MS Sample												
Chloride	44	40	80	91		-	-		58-140	-		7
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458763-3 QC Sample: L1102712-27 Client ID: MS Sample												
TPH	ND	20.4	12.9	0	Q	-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458764-3 QC Sample: L1103377-01 Client ID: INFLUENT												
Chromium, Hexavalent	ND	0.1	0.109	109		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458950-3 QC Sample: L1103337-06 Client ID: MS Sample												
Phenolics, Total	ND	0.8	0.80	100		-	-		77-124	-		12
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459145-3 QC Sample: L1103377-01 Client ID: INFLUENT												
Cyanide, Total	0.012	0.2	0.203	96		-	-		90-110	-		30

Lab Duplicate Analysis

Batch Quality Control

Project Name: ANDOVER STREET LLC

Project Number: Not Specified

Lab Number: L1103377

Report Date: 03/22/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458741-4 QC Sample: L1103138-01 Client ID: DUP Sample						
Chloride	44	43	mg/l	2		7
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458763-4 QC Sample: L1103377-01 Client ID: INFLUENT						
TPH	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458764-4 QC Sample: L1103377-01 Client ID: INFLUENT						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458950-4 QC Sample: L1103337-05 Client ID: DUP Sample						
Phenolics, Total	ND	ND	mg/l	NC		12
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458972-2 QC Sample: L1103376-01 Client ID: DUP Sample						
Solids, Total Suspended	320	360	mg/l	12		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459145-4 QC Sample: L1103377-01 Client ID: INFLUENT						
Cyanide, Total	0.012	0.021	mg/l	56	Q	30

Project Name: ANDOVER STREET LLC**Project Number:** Not Specified**Lab Number:** L1103377**Report Date:** 03/22/11**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103377-01A	Vial Na2S2O3 preserved	A	N/A	3	Y	Absent	504(14)
L1103377-01B	Vial Na2S2O3 preserved	A	N/A	3	Y	Absent	504(14)
L1103377-01C	Amber 1000ml unpreserved	A	7	3	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1103377-01D	Amber 1000ml unpreserved	A	7	3	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1103377-01E	Amber 1000ml unpreserved	A	7	3	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1103377-01F	Amber 1000ml unpreserved	A	7	3	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1103377-01G	Amber 1000ml Na2S2O3	A	7	3	Y	Absent	PCB-608(7)
L1103377-01H	Amber 1000ml Na2S2O3	A	7	3	Y	Absent	PCB-608(7)
L1103377-01I	Amber 1000ml HCl preserved	A	N/A	3	Y	Absent	TPH-1664(28)
L1103377-01J	Amber 1000ml HCl preserved	A	N/A	3	Y	Absent	TPH-1664(28)
L1103377-01K	Amber 1000ml H2SO4 preserved	A	<2	3	Y	Absent	TPHENOL-420(28)
L1103377-01L	Plastic 1000ml unpreserved	A	7	3	Y	Absent	TSS-2540(7)
L1103377-01M	Plastic 500ml unpreserved	A	7	3	Y	Absent	HEXCR-3500(1),TRC-4500(1)
L1103377-01N	Plastic 500ml unpreserved	A	7	3	Y	Absent	CL-4500(28)
L1103377-01O	Plastic 500ml HNO3 preserved	A	<2	3	Y	Absent	SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),FE-UI(180),PB-6020T(180),HG-U(28),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180)
L1103377-01P	Plastic 250ml NaOH preserved	A	>12	3	Y	Absent	TCN-4500(14)

*Values in parentheses indicate holding time in days

Project Name: ANDOVER STREET LLC
Project Number: Not Specified

Lab Number: L1103377
Report Date: 03/22/11

GLOSSARY

Acronyms

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.
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.
NI	· Not Ignitable.
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.

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.

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 five times (5x) 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.
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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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. 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

Report Format: Data Usability Report



Project Name: ANDOVER STREET LLC**Lab Number:** L1103377**Project Number:** Not Specified**Report Date:** 03/22/11**Data Qualifiers**

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.**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).**ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: ANDOVER STREET LLC
Project Number: Not Specified

Lab Number: L1103377
Report Date: 03/22/11

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.
- 5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).
- 14 Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water. EPA/600/4-88/039, Revised July 1991.
- 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.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
- 74 Method 1664, Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

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.



Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH₃-H, 4500NO₃-F, 4500NO₂-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO₃-F, 4500NO₂-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO₃-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH₃-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO₃-F, 4500-NO₂-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. *NELAP Accredited.*

Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH₃-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commissoon on Environmental Quality Certificate/Lab ID: T104704476-09-1. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.



ANALYTICAL REPORT

Lab Number:	L1103771
Client:	Cooperstown Environmental LLC 23 Main Street Andover, MA 01810-0814
ATTN:	Jim Curtis
Phone:	(978) 470-4755
Project Name:	ANDOVER ST. LLC
Project Number:	2007-30-1
Report Date:	04/08/11

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Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

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



Project Name: ANDOVER ST. LLC
Project Number: 2007-30-1

Lab Number: L1103771
Report Date: 04/08/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1103771-01	INFLUENT	255 ANDOVER ST.	03/23/11 11:15
L1103771-02	EFFLUENT	255 ANDOVER ST.	03/23/11 11:15

Project Name: ANDOVER ST. LLC
Project Number: 2007-30-1

Lab Number: L1103771
Report Date: 04/08/11

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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.

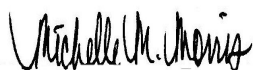
For additional information, please contact Client Services at 800-624-9220.

Report Submission

This report replaces the report issued on March 29, 2011. The Volatile Organics compound list has been amended for L1103771-01 and -02.

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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 04/08/11

ORGANICS

VOLATILES

Project Name: ANDOVER ST. LLC**Lab Number:** L1103771**Project Number:** 2007-30-1**Report Date:** 04/08/11**SAMPLE RESULTS**

Lab ID: L1103771-01
Client ID: INFLUENT
Sample Location: 255 ANDOVER ST.
Matrix: Water
Analytical Method: 5,624
Analytical Date: 03/24/11 09:11
Analyst: TT

Date Collected: 03/23/11 11:15
Date Received: 03/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.5	--	1
Chloroform	ND		ug/l	1.5	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	3.5	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
2-Chloroethylvinyl ether	ND		ug/l	10	--	1
Tetrachloroethene	ND		ug/l	1.5	--	1
Chlorobenzene	ND		ug/l	3.5	--	1
Trichlorofluoromethane	ND		ug/l	5.0	--	1
1,2-Dichloroethane	ND		ug/l	1.5	--	1
1,1,1-Trichloroethane	ND		ug/l	2.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	--	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	--	1
Bromoform	ND		ug/l	1.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	10	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	2.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	13		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1

Project Name: ANDOVER ST. LLC**Lab Number:** L1103771**Project Number:** 2007-30-1**Report Date:** 04/08/11**SAMPLE RESULTS**

Lab ID: L1103771-01
 Client ID: INFLUENT
 Sample Location: 255 ANDOVER ST.

Date Collected: 03/23/11 11:15
 Date Received: 03/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-xylene	ND		ug/l	1.0	--	1
Xylene (Total)	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Acetone	ND		ug/l	10	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	10	--	1
Vinyl acetate	ND		ug/l	20	--	1
4-Methyl-2-pentanone	ND		ug/l	10	--	1
2-Hexanone	ND		ug/l	10	--	1
Acrolein	ND		ug/l	8.0	--	1
Acrylonitrile	ND		ug/l	10	--	1
Dibromomethane	ND		ug/l	1.0	--	1
1,4-Dioxane	ND		ug/l	2000	--	1
Tert-Butyl Alcohol	ND		ug/l	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	88		80-120
Fluorobenzene	94		80-120
4-Bromofluorobenzene	115		80-120

Project Name: ANDOVER ST. LLC**Lab Number:** L1103771**Project Number:** 2007-30-1**Report Date:** 04/08/11**SAMPLE RESULTS**

Lab ID: L1103771-02
Client ID: EFFLUENT
Sample Location: 255 ANDOVER ST.
Matrix: Water
Analytical Method: 5,624
Analytical Date: 03/24/11 09:50
Analyst: TT

Date Collected: 03/23/11 11:15
Date Received: 03/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	--	1
1,1-Dichloroethane	ND		ug/l	1.5	--	1
Chloroform	ND		ug/l	1.5	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	3.5	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
2-Chloroethylvinyl ether	ND		ug/l	10	--	1
Tetrachloroethene	ND		ug/l	1.5	--	1
Chlorobenzene	ND		ug/l	3.5	--	1
Trichlorofluoromethane	ND		ug/l	5.0	--	1
1,2-Dichloroethane	ND		ug/l	1.5	--	1
1,1,1-Trichloroethane	ND		ug/l	2.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	--	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	--	1
Bromoform	ND		ug/l	1.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	10	--	1
Bromomethane	ND		ug/l	5.0	--	1
Vinyl chloride	ND		ug/l	2.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1

Project Name: ANDOVER ST. LLC**Lab Number:** L1103771**Project Number:** 2007-30-1**Report Date:** 04/08/11**SAMPLE RESULTS**

Lab ID: L1103771-02
 Client ID: EFFLUENT
 Sample Location: 255 ANDOVER ST.

Date Collected: 03/23/11 11:15
 Date Received: 03/23/11
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	5.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-xylene	ND		ug/l	1.0	--	1
Xylene (Total)	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Acetone	ND		ug/l	10	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	10	--	1
Vinyl acetate	ND		ug/l	20	--	1
4-Methyl-2-pentanone	ND		ug/l	10	--	1
2-Hexanone	ND		ug/l	10	--	1
Acrolein	ND		ug/l	8.0	--	1
Acrylonitrile	ND		ug/l	10	--	1
Dibromomethane	ND		ug/l	1.0	--	1
1,4-Dioxane	ND		ug/l	2000	--	1
Tert-Butyl Alcohol	ND		ug/l	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	86		80-120
Fluorobenzene	94		80-120
4-Bromofluorobenzene	114		80-120

Project Name: ANDOVER ST. LLC

Lab Number: L1103771

Project Number: 2007-30-1

Report Date: 04/08/11

Method Blank Analysis Batch Quality Control

Analytical Method: 5,624

Analytical Date: 03/24/11 07:59

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG459638-8					
Methylene chloride	ND		ug/l	5.0	--
1,1-Dichloroethane	ND		ug/l	1.5	--
Chloroform	ND		ug/l	1.5	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	3.5	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.5	--
2-Chloroethylvinyl ether	ND		ug/l	10	--
Tetrachloroethene	ND		ug/l	1.5	--
Chlorobenzene	ND		ug/l	3.5	--
Trichlorofluoromethane	ND		ug/l	5.0	--
1,2-Dichloroethane	ND		ug/l	1.5	--
1,1,1-Trichloroethane	ND		ug/l	2.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	1.5	--
cis-1,3-Dichloropropene	ND		ug/l	1.5	--
Bromoform	ND		ug/l	1.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	1.0	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	10	--
Bromomethane	ND		ug/l	5.0	--
Vinyl chloride	ND		ug/l	2.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.5	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	5.0	--
1,3-Dichlorobenzene	ND		ug/l	5.0	--

Project Name: ANDOVER ST. LLC

Lab Number: L1103771

Project Number: 2007-30-1

Report Date: 04/08/11

Method Blank Analysis Batch Quality Control

Analytical Method: 5,624

Analytical Date: 03/24/11 07:59

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG459638-8					
1,4-Dichlorobenzene	ND		ug/l	5.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-xylene	ND		ug/l	1.0	--
Xylene (Total)	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Acetone	ND		ug/l	10	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	10	--
Vinyl acetate	ND		ug/l	20	--
4-Methyl-2-pentanone	ND		ug/l	10	--
2-Hexanone	ND		ug/l	10	--
Acrolein	ND		ug/l	8.0	--
Acrylonitrile	ND		ug/l	10	--
Methyl tert butyl ether	ND		ug/l	20	--
Dibromomethane	ND		ug/l	1.0	--
1,4-Dioxane	ND		ug/l	2000	--
Tert-Butyl Alcohol	ND		ug/l	100	--
Tertiary-Amyl Methyl Ether	ND		ug/l	20	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	91		80-120
Fluorobenzene	96		80-120
4-Bromofluorobenzene	111		80-120

Lab Control Sample Analysis Batch Quality Control

Project Name: ANDOVER ST. LLC

Project Number: 2007-30-1

Lab Number: L1103771

Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG459638-7								
Methylene chloride	75		-		1-221	-		30
1,1-Dichloroethane	99		-		59-155	-		30
Chloroform	99		-		51-138	-		30
Carbon tetrachloride	112		-		70-140	-		30
1,2-Dichloropropane	100		-		1-210	-		30
Dibromochloromethane	108		-		53-149	-		30
1,1,2-Trichloroethane	108		-		52-150	-		30
2-Chloroethylvinyl ether	126		-		1-305	-		30
Tetrachloroethene	125		-		64-148	-		30
Chlorobenzene	102		-		37-160	-		30
Trichlorofluoromethane	95		-		17-181	-		30
1,2-Dichloroethane	92		-		49-155	-		30
1,1,1-Trichloroethane	107		-		52-162	-		30
Bromodichloromethane	102		-		35-155	-		30
trans-1,3-Dichloropropene	111		-		17-183	-		30
cis-1,3-Dichloropropene	108		-		1-227	-		30
Bromoform	102		-		45-169	-		30
1,1,2,2-Tetrachloroethane	87		-		46-157	-		30
Benzene	105		-		37-151	-		30
Toluene	107		-		47-150	-		30
Ethylbenzene	113		-		37-162	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: ANDOVER ST. LLC

Project Number: 2007-30-1

Lab Number: L1103771

Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG459638-7								
Chloromethane	120		-		1-273	-		30
Bromomethane	54		-		1-242	-		30
Vinyl chloride	57		-		1-251	-		30
Chloroethane	77		-		14-230	-		30
1,1-Dichloroethene	86		-		1-234	-		30
trans-1,2-Dichloroethene	112		-		54-156	-		30
cis-1,2-Dichloroethene	98		-		60-140	-		30
Trichloroethene	110		-		71-157	-		30
1,2-Dichlorobenzene	105		-		18-190	-		30
1,3-Dichlorobenzene	103		-		59-156	-		30
1,4-Dichlorobenzene	110		-		18-190	-		30
p/m-Xylene	110		-		40-160	-		30
o-Xylene	103		-		40-160	-		30
XYLENE (TOTAL)	108		-		40-160	-		30
Styrene	150		-		40-160	-		30
Acetone	60		-		40-160	-		30
Carbon disulfide	92		-		40-160	-		30
2-Butanone	90		-		40-160	-		30
Vinyl acetate	72		-		40-160	-		30
4-Methyl-2-pentanone	101		-		40-160	-		30
2-Hexanone	100		-		40-160	-		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** ANDOVER ST. LLC**Project Number:** 2007-30-1**Lab Number:** L1103771**Report Date:** 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG459638-7								
Acrolein	55		-		40-160	-		30
Acrylonitrile	94		-		40-160	-		30
Dibromomethane	116		-		70-130	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	97				80-120
Fluorobenzene	99				80-120
4-Bromofluorobenzene	103				80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: ANDOVER ST. LLC
Project Number: 2007-30-1

Lab Number: L1103771
Report Date: 04/08/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG459638-3 QC Sample: L1103637-01 Client ID: MS Sample												
Methylene chloride	ND	20	15	75		-	-		1-221	-		30
1,1-Dichloroethane	ND	20	20	98		-	-		59-155	-		30
Chloroform	ND	20	19	96		-	-		51-138	-		30
Carbon tetrachloride	ND	20	22	108		-	-		70-140	-		30
1,2-Dichloropropane	ND	20	20	101		-	-		1-210	-		30
Dibromochloromethane	ND	20	21	104		-	-		53-149	-		30
1,1,2-Trichloroethane	ND	20	21	105		-	-		52-150	-		30
2-Chloroethylvinyl ether	ND	20	20	98		-	-		1-305	-		30
Tetrachloroethene	ND	20	24	123		-	-		64-148	-		30
Chlorobenzene	ND	20	21	103		-	-		37-160	-		30
Trichlorofluoromethane	ND	20	19	95		-	-		17-181	-		30
1,2-Dichloroethane	ND	20	18	89		-	-		49-155	-		30
1,1,1-Trichloroethane	ND	20	21	107		-	-		52-162	-		30
Bromodichloromethane	ND	20	20	100		-	-		35-155	-		30
trans-1,3-Dichloropropene	ND	20	22	109		-	-		17-183	-		30
cis-1,3-Dichloropropene	ND	20	21	105		-	-		1-227	-		30
Bromoform	ND	20	21	104		-	-		45-169	-		30
1,1,2,2-Tetrachloroethane	ND	20	18	92		-	-		46-157	-		30
Benzene	ND	20	20	103		-	-		35-151	-		30
Toluene	ND	20	21	105		-	-		47-150	-		30
Ethylbenzene	ND	20	23	114		-	-		37-162	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: ANDOVER ST. LLC
Project Number: 2007-30-1

Lab Number: L1103771
Report Date: 04/08/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG459638-3 QC Sample: L1103637-01 Client ID: MS Sample												
Chloromethane	ND	20	31	157		-	-		1-273	-		30
Bromomethane	ND	20	15	75		-	-		1-242	-		30
Vinyl chloride	ND	20	13	64		-	-		1-251	-		30
Chloroethane	ND	20	15	76		-	-		14-230	-		30
1,1-Dichloroethene	ND	20	17	85		-	-		1-234	-		30
trans-1,2-Dichloroethene	ND	20	22	112		-	-		54-156	-		30
cis-1,2-Dichloroethene	ND	20	20	102		-	-		60-140	-		30
Trichloroethene	ND	20	22	109		-	-		71-157	-		30
1,2-Dichlorobenzene	ND	20	21	106		-	-		18-190	-		30
1,3-Dichlorobenzene	ND	20	21	105		-	-		59-156	-		30
1,4-Dichlorobenzene	ND	20	22	112		-	-		18-190	-		30
p/m-Xylene	ND	40	45	112		-	-		40-160	-		30
o-Xylene	ND	20	21	104		-	-		40-160	-		30
XYLENE (TOTAL)	ND	60	65	109		-	-		40-160	-		30
Styrene	ND	20	30	152		-	-		40-160	-		30
Acetone	ND	50	30	60		-	-		40-160	-		30
Carbon disulfide	ND	20	18	91		-	-		40-160	-		30
2-Butanone	ND	50	45	90		-	-		40-160	-		30
Vinyl acetate	ND	40	ND	0		-	-		40-160	-		30
4-Methyl-2-pentanone	ND	50	50	100		-	-		40-160	-		30
2-Hexanone	ND	50	48	96		-	-		40-160	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: ANDOVER ST. LLC

Project Number: 2007-30-1

Lab Number: L1103771

Report Date: 04/08/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG459638-3 QC Sample: L1103637-01 Client ID: MS Sample												
Acrolein	ND	40	20	50		-	-		40-160	-		30
Acrylonitrile	ND	40	36	90		-	-		40-160	-		30
Dibromomethane	ND	20	18	93		-	-			-		30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
4-Bromofluorobenzene	104				80-120
Fluorobenzene	100				80-120
Pentafluorobenzene	98				80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: ANDOVER ST. LLC

Project Number: 2007-30-1

Lab Number: L1103771

Report Date: 04/08/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG459638-4 QC Sample: L1103637-01 Client ID: DUP Sample						
Benzene	ND	ND	ug/l	NC		30
Toluene	ND	ND	ug/l	NC		30
Ethylbenzene	ND	ND	ug/l	NC		30
p/m-Xylene	ND	ND	ug/l	NC		30
o-Xylene	ND	ND	ug/l	NC		30
XYLENE (TOTAL)	ND	ND	ug/l	NC		30
Methyl tert butyl ether	ND	ND	ug/l	NC		30
tert-Butyl Alcohol	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	97		92		80-120
Fluorobenzene	99		98		80-120
4-Bromofluorobenzene	111		111		80-120

METALS

Project Name: ANDOVER ST. LLC

Lab Number: L1103771

Project Number: 2007-30-1

Report Date: 04/08/11

SAMPLE RESULTS

Lab ID: L1103771-01

Date Collected: 03/23/11 11:15

Client ID: INFLUENT

Date Received: 03/23/11

Sample Location: 255 ANDOVER ST.

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.0002	--	1	03/24/11 11:20	03/29/11 03:04	EPA 3005A	1,6020	BM
Iron, Total	ND		mg/l	0.05	--	1	03/24/11 11:20	03/25/11 12:36	EPA 3005A	19,200.7	AI



Project Name: ANDOVER ST. LLC

Lab Number: L1103771

Project Number: 2007-30-1

Report Date: 04/08/11

SAMPLE RESULTS

Lab ID: L1103771-02

Date Collected: 03/23/11 11:15

Client ID: EFFLUENT

Date Received: 03/23/11

Sample Location: 255 ANDOVER ST.

Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Cadmium, Total	ND		mg/l	0.0002	--	1	03/24/11 11:20	03/29/11 03:22	EPA 3005A	1,6020	BM
Iron, Total	ND		mg/l	0.05	--	1	03/24/11 11:20	03/25/11 11:54	EPA 3005A	19,200.7	AI



Project Name: ANDOVER ST. LLC

Lab Number: L1103771

Project Number: 2007-30-1

Report Date: 04/08/11

Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG460078-1									
Iron, Total	ND	mg/l	0.05	--	1	03/24/11 11:20	03/25/11 11:48	19,200.7	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG460084-1									
Cadmium, Total	ND	mg/l	0.0002	--	1	03/24/11 11:20	03/29/11 00:34	1,6020	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: ANDOVER ST. LLC

Project Number: 2007-30-1

Lab Number: L1103771

Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG460078-2								
Iron, Total	100		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG460084-2								
Cadmium, Total	107		-		80-120	-		

Matrix Spike Analysis Batch Quality Control

Project Name: ANDOVER ST. LLC

Lab Number: L1103771

Project Number: 2007-30-1

Report Date: 04/08/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG460078-4 QC Sample: L1103771-02 Client ID: EFFLUENT												
Iron, Total	ND	1	1.0	100		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG460084-4 QC Sample: L1103800-02 Client ID: MS Sample												
Cadmium, Total	ND	0.051	0.0530	104		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control**Project Name:** ANDOVER ST. LLC**Project Number:** 2007-30-1**Lab Number:** L1103771**Report Date:** 04/08/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG460078-3 QC Sample: L1103771-02 Client ID: EFFLUENT						
Iron, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: ANDOVER ST. LLC

Project Number: 2007-30-1

Lab Number: L1103771

Report Date: 04/08/11

SAMPLE RESULTS

Lab ID: L1103771-01

Client ID: INFLUENT

Sample Location: 255 ANDOVER ST.

Matrix: Water

Date Collected: 03/23/11 11:15

Date Received: 03/23/11

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	5.9		SU	-	NA	1	-	03/23/11 20:45	30,4500H+-B	KK



Project Name: ANDOVER ST. LLC**Project Number:** 2007-30-1**Lab Number:** L1103771**Report Date:** 04/08/11**SAMPLE RESULTS****Lab ID:** L1103771-02**Client ID:** EFFLUENT**Sample Location:** 255 ANDOVER ST.**Matrix:** Water**Date Collected:** 03/23/11 11:15**Date Received:** 03/23/11**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
pH (H)	7.4		SU	-	NA	1	-	03/23/11 20:45	30,4500H+-B	KK



Lab Control Sample Analysis**Batch Quality Control****Project Name:** ANDOVER ST. LLC**Project Number:** 2007-30-1**Lab Number:** L1103771**Report Date:** 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG459969-1								
pH	100		-		99-101	-		5

Project Name: ANDOVER ST. LLC
Project Number: 2007-30-1

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1103771
Report Date: 04/08/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG459969-2 QC Sample: L1103771-01 Client ID: INFLUENT						
pH (H)	5.9	5.9	SU	0		5

Project Name: ANDOVER ST. LLC

Lab Number: L1103771

Project Number: 2007-30-1

Report Date: 04/08/11

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103771-01A	Vial Na2S2O3 preserved	A	N/A	2.3	Y	Absent	624(7)
L1103771-01B	Vial Na2S2O3 preserved	A	N/A	2.3	Y	Absent	624(7)
L1103771-01C	Plastic 250ml HNO3 preserved	A	<2	2.3	Y	Absent	FE-UI(180),CD-6020T(180)
L1103771-01D	Plastic 250ml unpreserved	A	6	2.3	Y	Absent	PH-4500(.01)
L1103771-02A	Vial Na2S2O3 preserved	A	N/A	2.3	Y	Absent	624(7)
L1103771-02B	Vial Na2S2O3 preserved	A	N/A	2.3	Y	Absent	624(7)
L1103771-02C	Plastic 250ml HNO3 preserved	A	<2	2.3	Y	Absent	FE-UI(180),CD-6020T(180)
L1103771-02D	Plastic 250ml unpreserved	A	6	2.3	Y	Absent	PH-4500(.01)

*Values in parentheses indicate holding time in days

Project Name: ANDOVER ST. LLC
Project Number: 2007-30-1

Lab Number: L1103771
Report Date: 04/08/11

GLOSSARY

Acronyms

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.
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.
NI	· Not Ignitable.
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.

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.

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 five times (5x) 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.
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 RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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. 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

Report Format: Data Usability Report



Project Name: ANDOVER ST. LLC**Lab Number:** L1103771**Project Number:** 2007-30-1**Report Date:** 04/08/11**Data Qualifiers**

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.

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

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

Project Name: ANDOVER ST. LLC
Project Number: 2007-30-1

Lab Number: L1103771
Report Date: 04/08/11

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
- 5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).
- 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.
- 30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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.



Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. *NELAP Accredited.*

Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NY-DOH.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE OF



Westborough, MA Mansfield, MA
TEL: 508-898-8220 TEL: 508-822-9300
FAX: 508-898-8193 FAX: 508-822-3288

Project Information

Project Name: Andover St. LLC

Project Location: 255 Andover Street

Project #: 2007-30-1

Project Manager: J. Curtis

Report Information Data Deliverables

☐ FAX☒ EMAIL☒ ADEX☐ Add'l Deliverables☒ Same as Client Info

PO #:

ALPHA Job #: 21103771

Regulatory Requirements/Report Limits

State/Fed Program

Criteria

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

VOCs by 624

Ph

Fe, Cd

SAMPLE HANDLING

☐ Filtration☐ Done☐ Not Needed☐ Lab to do☐ Preservation☐ Lab to do

(Please specify below)

TOTAL # BOTTLES

Email: jim@cooperstownenv.com

☐ These samples have been previously analyzed by Alpha

Due Date: 3/20/11 Time:

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection
Date TimeSample
MatrixSampler's
Initials

VOCs by 624

Ph

Fe, Cd

Sample Specific
Comments

PLEASE ANSWER QUESTIONS ABOVE!

Container Type
Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly, and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

IS YOUR PROJECT
MA MCP or CT RCP?FORM NO. 01-011
(Rev. 30 JUL 07)