



December 7, 2010

Mr. Victor Alvarez
United States Environmental Protection Agency
Region 1, Suite 1100
1 Congress Street
Boston, MA 02114-2023

RE: Re-Application for Remediation General Permit

Authorization # MAG910403
Common Street Trust Building
102-104 Trapelo Road
Belmont, Massachusetts
MADEP RTN 3-23300

Dear Mr. Alvarez,

Per the Authorization to Discharge under the RPG-MAG910000 dated February 5, 2009, the email correspondence from Mr. Victor Alvarez, the Environmental Engineer for US EPA NE-Region I, dated June 15, 2010, and in accordance with the revised MGP, Permit No. MAG910000 dated August 26, 2010, Coler & Colantonio, Inc. is re-applying for the Remediation General Permit (RGP) - Notice of Intent (NOI) associated with the discharge of water from a sump system that is located in the basement of 102-104 Trapelo Road located in Belmont, Massachusetts (the "Site"); a Site Locus is attached as Appendix A. The RGP was submitted to the United States Environmental Protection Agency (EPA) on January 16, 2009 and was issued on February 5, 2009; the permit expired on September 9, 2010. Although the permit expired, Coler & Colantonio, Inc. is reapplying for the RGP in accordance with the revised regulations and the email by Mr. Alvarez dated June 15, 2010; attached as Appendix B. The purpose of the re-application is to continue the Pump & Treat (P&T) system in order to continue to mitigate an Imminent Hazard (IH) condition and perform Immediate Response Action (IRA) activities that have been and are currently being addressed under the reported to the Massachusetts Department of Environmental Protection's (MADEP's) Release Tracking Number (RTN) 3-23300.

Coler & Colantonio has been collecting influent and effluent samples on a monthly basis since January 2009 to monitor the P&T system for total residual chlorine (TRC), cyanide, ethylene dibromide (EDB), methy-tert-butyl ether (MTBE), 1,1-dichloroethane (DCA), and tetrachloroethylene (PCE). Coler & Colantonio, Inc. submitted a Remediation General Permit Recertification and Notice of Change letter report dated July 30, 2010 in accordance with Part I.C.8.b. This recertification presented the recertification data, information regarding the

modifications and corrective measures made to the P&T system since the previous RGP Recertification and Notice of Change submitted in February 2010, and a Notice of Change (NOC) requesting a reduction in the sampling requirements specifically for TRC, EDB, and 1,1-DCA. The recertification data was consistent with the previous “believed present” data and therefore no monitoring changes were necessary. The modification and corrective measures regarding the replacement of the water meter totalizer. Since TRC, EDB, and 1,1 - DCA have been monitored monthly since January 2009 and these parameters have never been detected in the influent or effluent stream, Coler & Colantonio, Inc. requested under the NOC that these three parameters removed from the monthly monitoring parameters list in accordance with Part I.C.8.g. At this time Coler & Colantonio, Inc. has not received the EPA’s permission to remove these parameters from the monthly monitoring list.

Permit Reapplication

Coler & Colantonio, Inc. was under the assumption at the time of the initial submittal in January 2009 that the Site building would be demolished by September 2010. Due to delays in the development of the property, the building has not been demolished and therefore Coler & Colantonio, Inc. is re-applying for the RGP permit. Based on this new schedule and the uncertainty of the development, Coler & Colantonio, Inc. would like to extend the RGP for two additional years in order to maintain the P&T system in the basement of the Site building.

Coler & Colantonio, Inc. has prepared the Notice of Intent for Remedial General Permit form in accordance with the revised regulations; the completed form is attached as Appendix C. The data presented in Section 3 was collected on June 25, 2010; a summary of the data is presented on the Table attached as Appendix D and the laboratory report is attached as Appendix E.

Coler & Colantonio, Inc. will continue to monitor the P&T system per the EPA’s authorization and in accordance with the revised regulations on a monthly basis. Per Part I.C.8.a. and since recertification samples have been collected every six months since January 2009, it is Coler & Colantonio Inc.’s understanding that the “six” and twelve” month certification monitoring has already been performed. Therefore, Coler & Colantonio, Inc. is now obligated to monitor the P&T system on “twelve” and “twenty-four” monthly basis. Since the most-recent recertification monitoring has been performed in July 2010, the next recertification round will be collected in July 2011, then annually thereafter. If this is not the correct monitoring schedule for recertification, please contact Coler & Colantonio, Inc..

In accordance with the revised regulations, Coler & Colantonio, Inc. collected an influent and effluent sample from the P&T system on November 22, 2010 and analyzes them for chloride. The data indicated that chloride is detected above the laboratory DLs in the both samples at 840 and 650 milligrams per Liter (mg/L), respectively; refer to the attached Table for a summary of the data. There are no current effluent limits for chloride.

Notice of Change- Request for Reduction in Monitoring Requirements

The EPA’s Summary of Monitoring Parameters Under the RGP having a recertification date of September 2009 indicates that TRC, cyanide, EDB, MTBE, DCA, and PCE needs to be monitored on a monthly basis. Coler & Colantonio, Inc. has been monitoring the influent or effluent stream of the P&T system since January 2009, and the data indicates that TRC, EDB,

and 1,1- DCA concentrations are not detected above the laboratory DLs, which are at or below the EPA's Minimum Limits (MLs) and below the EPA's Effluent Limits, for at least 16 consecutive months. Please note that EDB and 1,1-DCA have been monitored since January 2009, however monitoring the TRC did not start until July 2009. In accordance with Part I.C.8.e.i. and ii. and Appendix V, II. 2. a) 1. i. and ii., Coler & Colantonio, Inc. has prepared a Notice of Change (NOC) that is attached as Appendix F that is requesting that these three parameters be removed from the monthly monitoring parameters. Coler & Colantonio, Inc. understands that these parameters will be monitored as part of the annual recertification monitoring.

If you have any questions or need additional information please do not hesitate to contact the undersigned.

Sincerely,
COLER & COLANTONIO, INC.



Glen A. Cote
Project Manager



Ronald K. Burns, PE, LSP
Division Manager – Environmental Services

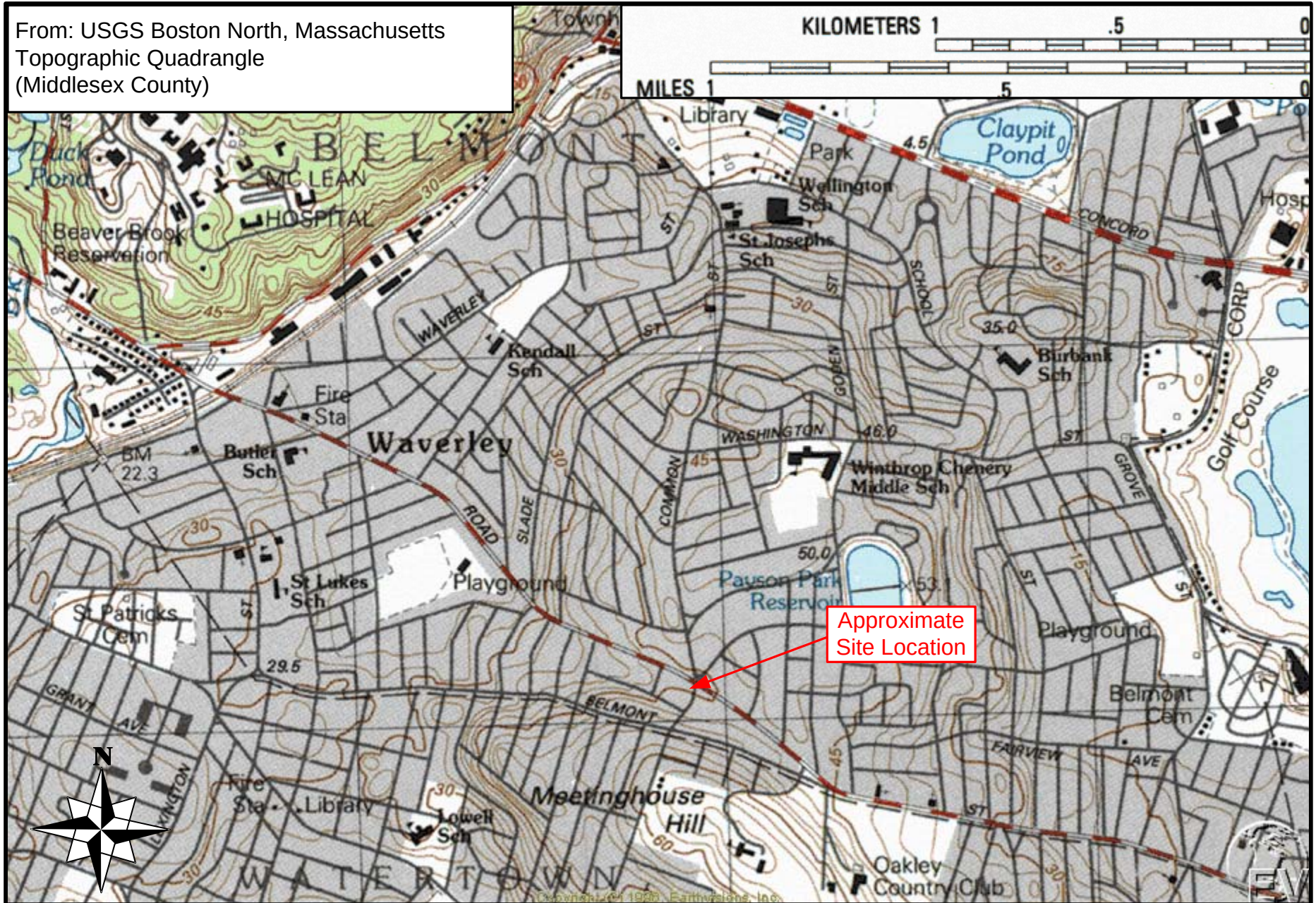
cc: Robert Kubit,
Massachusetts Department of Environmental Protection
Northeast Regional Office
One Winter Street
Boston, MA 02108

C. Starr

Attachments:

Appendix A – Site Locus
Appendix B – Email dated June 15, 2010
Appendix C – Appendix V - NOI- RGP Form
Appendix D – Summary Tables
Appendix E – Laboratory Report
Appendix F – Appendix V - RGP-NOC Form

From: USGS Boston North, Massachusetts
Topographic Quadrangle
(Middlesex County)



Cote, Glen

From: alvarez.victor@epamail.epa.gov
Sent: Tuesday, June 15, 2010 10:07 AM
To: Cote, Glen
Subject: Re: RGP Re-Application - MAG910403 - 102-104 Trapelo Rd, Belmont MA

Mr. Cote,

EPA is not accepting permit reapplications at this time. The Existing permit will expire on September 9, 2010, it is anticipated that it will be reissued September 10, 2010. You are at this time instructed to reapply 90 days after the effective day of the permit reissuance which will be some time between September 10 and December 10, 2010. Ok. Please let me know if you have further questions. Thanks.

Victor Alvarez
Environmental Engineer
US EPA - NE Region I
Mail Code OEP 06-4
Boston, MA 02109-3912
NPDES Section, RGP Lead
Tel: 617-918-1572
Fax: 617-918-0572
web: alvarez.victor@epa.gov

From: "Cote, Glen" <GCote@col-col.com>
To: Victor Alvarez/R1/USEPA/US@EPA
Cc: <Robert.Kubit@State.MA.US>, "Burns, Ron" <rburns@col-col.com>
Date: 06/14/2010 05:24 PM
Subject: RGP Re-Application - MAG910403 - 102-104 Trapelo Rd, Belmont MA

Hi Victor,
The following is the Re-Application for the RGP for the above referenced location. Please let me know if you have any questions. Thanks

FYI - I will be sampling for the 6 month recertification parameters next month. The P& T system has been operating in accordance with the approved RGP and the discharge parameters have been below the discharge standards.

If you have any questions please do not hesitate to contact me.

Thank you,
Glen

Glen A. Cote

Project Manager

Coler & Colantonio, Inc.
101 Accord Park Drive
Norwell, MA 02061
phone: (781) 982-5461
fax: (781) 982-7761

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Think green. Please consider the environment before printing this e-mail.

[attachment "RGP Re-Application - MAG9100403 - June 14, 2010.pdf" deleted by Victor Alvarez/R1/USEPA/US]

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 :		Common Street Trust Property		Facility/site mailing address:	
Location of facility/site :		Facility SIC code(s):		Street:	
Longitude:	71.174938	5812, 5531		102 - 104 Trapelo Road	
Latitude:	42.380484				
b) Name of facility/site owner :					
Email address of facility/site owner:		State:		Zip:	County:
chrisstarr123@gmail.com		MA		02478	Middlesex
Telephone no. of facility/site owner :		(978) 263-1086			
Fax no. of facility/site owner :					
Owner is (check one): 1. Federal ☐ 2. State/Tribal ☐					
3. Private ☒ 4. Other ☐ if so, describe:					
Christopher Starr					
Address of owner (if different from site):					
Street: 6 Littlefield Road					
Town:	Acton	State:	MA	Zip:	01720
				County:	Middlesex
c) Legal name of operator :		Operator telephone no: (781) 982-5400			
Contractor: Coler & Colantonio, Inc.		Operator fax no.: (781) 982-5486		Operator email: rburns@col-col.com	
Operator contact name and title: Ronald K. Burns, LSP (Division Manager - Environmental Services)					
Address of operator (if different from owner):		Street: 101 Accord Park Drive			
Town:	Norwell	State:	MA	Zip:	02061
				County:	Plymouth

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: MADEP NERO Jennifer Wang (978) 694-3200 205B Lowell Street Wilmington, MA	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.	
Activity Category I - Petroleum Related Site Remediation II - Non Petroleum Site Remediation III - Contaminated Construction Dewatering	Activity Sub-Category A. Gasoline Only Sites ☐ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☐ C. Petroleum Sites with Additional Contamination ☐ A. Volatile Organic Compound (VOC) Only Sites ☐ B. VOC Sites with Additional Contamination ☒ C. Primarily Heavy Metal Sites ☐ 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: Discharge from 3 sump pumps located in the basement of the facility and discharge into a catchbasin located outside the facility that is connected to Belmont's municipal stormwater discharge system. The discharge flows into Wellington Brook then to Claypit Pond and ultimately to the Mystic River.																	
b) Provide the following information about each discharge:																	
1) Number of discharge points: <u>1</u>	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.02896</u> Is maximum flow a design value? Y ☐ N ☒ Estimated Average flow (include units) <u>0.02228</u> Is average flow a design value or estimate? <u>Estimated</u>																
3) Latitude and longitude of each discharge within 100 feet: <table border="1"> <tr> <td>pt.1: lat <u>42.380484</u></td> <td>long <u>-71.174938</u></td> <td>pt.2: lat <u></u></td> <td>long <u></u></td> </tr> <tr> <td>pt.3: lat <u></u></td> <td>long <u></u></td> <td>pt.4: lat <u></u></td> <td>long <u></u></td> </tr> <tr> <td>pt.5: lat <u></u></td> <td>long <u></u></td> <td>pt.6: lat <u></u></td> <td>long <u></u></td> </tr> <tr> <td>pt.7: lat <u></u></td> <td>long <u></u></td> <td>pt.8: lat <u></u></td> <td>long <u></u></td> </tr> </table>	pt.1: lat <u>42.380484</u>	long <u>-71.174938</u>	pt.2: lat <u></u>	long <u></u>	pt.3: lat <u></u>	long <u></u>	pt.4: lat <u></u>	long <u></u>	pt.5: lat <u></u>	long <u></u>	pt.6: lat <u></u>	long <u></u>	pt.7: lat <u></u>	long <u></u>	pt.8: lat <u></u>	long <u></u>	5) Is the discharge intermittent ☒ or seasonal ☐ ? Is discharge ongoing? Y ☒ N ☐
pt.1: lat <u>42.380484</u>	long <u>-71.174938</u>	pt.2: lat <u></u>	long <u></u>														
pt.3: lat <u></u>	long <u></u>	pt.4: lat <u></u>	long <u></u>														
pt.5: lat <u></u>	long <u></u>	pt.6: lat <u></u>	long <u></u>														
pt.7: lat <u></u>	long <u></u>	pt.8: lat <u></u>	long <u></u>														
4) If hydrostatic testing, total volume of the discharge (gals): <u></u>																	
c) Expected dates of discharge (mm/dd/yy): start <u>Dec 10, 2010</u> end <u>Dec 31, 2012</u>																	
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). <u>see attached</u>																	

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.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids (TSS)		☒	☐	1	grab	2540D	5, 000 ug/L	<5000			
2. Total Residual Chlorine (TRC)		☒	☐	1	grab	4500CL-D	200 ug/L	<20			
3. Total Petroleum Hydrocarbons (TPH)		☒	☐	1	grab	1664A	5, 000 ug/L	<4000			
4. Cyanide (CN)	57125	☐	☒	1	grab	4500CN-CE	5 ug/L	12			
5. Benzene (B)	71432	☒	☐	1	grab	624	2 ug/L	<1			
6. Toluene (T)	108883	☒	☐	1	grab	624	2 ug/L	<1			
7. Ethylbenzene (E)	100414	☒	☐	1	grab	624	2 ug/L	<1			
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☒	☐	1	grab	624	4 ug/L	<2			
9. Total BTEX ²	n/a	☒	☐	1	grab	624	2 ug/L	ND			
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) ³	106934	☒	☐	1	grab	504.1	0.01 ug/L	<0.01			
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☐	☒	1	grab	624	10 ug/L	21			
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☒	☐	1	grab	624	10 ug/L	<100			

* 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	☒	☐	1	grab	624	10 ug/L	<20			
14. Naphthalene	91203	☒	☐	1	grab	8270C	5 ug/L	<2			
15. Carbon Tetrachloride	56235	☒	☐	1	grab	624	5 ug/L	<1			
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	1	grab	624	5 ug/L	<5			
17. 1,3 Dichlorobenzene (m-DCB)	541731	☒	☐	1	grab	624	5 ug/L	<5			
18. 1,4 Dichlorobenzene (p-DCB)	106467	☒	☐	1	grab	624	5 ug/L	<5			
18a. Total dichlorobenzene		☐	☐	N/A							
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	1	grab	624	5 ug/L	<1.5			
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	1	grab	624	5 ug/L	<1.5			
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	1	grab	624	5 ug/L	<1			
22. cis-1,2 Dichloroethene (DCE)	156592	☐	☒	1	grab	624	5 ug/L	33			
23. Methylene Chloride	75092	☒	☐	1	grab	624	5 ug/L	<5			
24. Tetrachloroethene (PCE)	127184	☐	☒	1	grab	624	5 ug/L	460			
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	1	grab	624	5 ug/L	<2			
26. 1,1,2 Trichloro-ethane (TCA)	79005	☒	☐	1	grab	624	5 ug/L	<1.5			
27. Trichloroethene (TCE)	79016	☐	☒	1	grab	624	5 ug/L	13			

<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	☒	☐	1	grab	624	5 ug/L	<2			
29. Acetone	67641	☒	☐	1	grab	624	50 ug/L	<10			
30. 1,4 Dioxane	123911	☒	☐	1	grab	624	5 ug/L	<2,000			
31. Total Phenols	108952	☒	☐	1	grab	420.1	50 ug/L	<30			
32. Pentachlorophenol (PCP)	87865	☒	☐	1	grab	8270C	5 ug/L	<0.8			
33. Total Phthalates (Phthalate esters) ⁴		☒	☐	1	grab	8270C	5 ug/L	ND			
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☒	☐	1	grab	8270C	5 ug/L	<5			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	grab	8270C	5 ug/L	ND			
a. Benzo(a) Anthracene	56553	☒	☐	1	grab	8270C	5 ug/L	<0.2			
b. Benzo(a) Pyrene	50328	☒	☐	1	grab	8270C	5 ug/L	<0.2			
c. Benzo(b)Fluoranthene	205992	☒	☐	1	grab	8270C	5 ug/L	<0.2			
d. Benzo(k)Fluoranthene	207089	☒	☐	1	grab	8270C	50 ug/L	<0.2			
e. Chrysene	21801	☒	☐	1	grab	8270C	50 ug/L	<0.2			
f. Dibenzo(a,h)anthracene	53703	☒	☐	1	grab	8270C	50 ug/L	<0.2			
g. Indeno(1,2,3-cd) Pyrene	193395	☒	☐	1	grab	8270C	50 ug/L	<0.2			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	grab	8270C	N/A	ND			

⁴ The 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	☒	☐	1	grab	8270C	5 ug/L	<0.2			
i. Acenaphthylene	208968	☒	☐	1	grab	8270C	5 ug/L	<0.2			
j. Anthracene	120127	☒	☐	1	grab	8270C	5 ug/L	<0.2			
k. Benzo(ghi) Perylene	191242	☒	☐	1	grab	8270C	5 ug/L	<0.2			
l. Fluoranthene	206440	☒	☐	1	grab	8270C	5 ug/L	<0.2			
m. Fluorene	86737	☒	☐	1	grab	8270C	5 ug/L	<0.2			
n. Naphthalene	91203	☒	☐	1	grab	8270C	5 ug/L	<0.2			
o. Phenanthrene	85018	☒	☐	1	grab	8270C	5 ug/L	<0.2			
p. Pyrene	129000	☒	☐	1	grab	8270C	5 ug/L	<0.2			
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐	1	grab	608	0.5 ug/L	ND (<0.25)			
38. Chloride	16887006	☒	☐	1	grab	300	<1,000	840,000			
39. Antimony	7440360	☒	☐	1	grab	6020	2 ug/L	<2			
40. Arsenic	7440382	☒	☐	1	grab	6020	2ug/L	<2			
41. Cadmium	7440439	☒	☐	1	grab	6020	0.8 ug/L	<0.8			
42. Chromium III (trivalent)	16065831	☐	☒	1	grab	6020	2 ug/L	<2			
43. Chromium VI (hexavalent)	18540299	☒	☐	1	grab	3500CR-D	10 ug/L	<10			
44. Copper	7440508	☐	☒	1	grab	6020	2 ug/L	3.2			
45. Lead	7439921	☐	☒	1	grab	6020	2 ug/L	<2			
46. Mercury	7439976	☒	☐	1	grab	245.1	2 ug/L	<0.2			
47. Nickel	7440020	☐	☒	1	grab	6020	2 ug/L	6.8			
48. Selenium	7782492	☐	☒	1	grab	6020	2 ug/L	<4			
49. Silver	7440224	☒	☐	1	grab	6020	1.6 ug/L	<1.6			
50. Zinc	7440666	☐	☒	1	grab	6020	2 ug/L	20.8			
51. Iron	7439896	☒	☐	1	grab	200.7	50 ug/L	<50			
Other (describe):		☐	☐								

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

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 ☐ <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? <table> <tr><td>Metal: lead</td><td>DF: 415</td></tr> <tr><td>Metal:</td><td>DF:</td></tr> <tr><td>Metal:</td><td>DF:</td></tr> <tr><td>Metal:</td><td>DF:</td></tr> </table> Etc.	Metal: lead	DF: 415	Metal:	DF:	Metal:	DF:	Metal:	DF:	If yes, which metals? lead 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:
Metal: lead	DF: 415								
Metal:	DF:								
Metal:	DF:								
Metal:	DF:								

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: Three sump pumps are utilized to pump groundwater which accumulates in three sumps located in the basement floor of the site building through two 55-gallon drums of granular activated carbon/zeolite impregnated with potassium iodide (a.k.a. "coconut carbon") and one 55-gallon drum of ion exchange resin. A schematic is attached.						
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):

Not applicable

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:
The treated water is discharged to a catch basin/storm drain that flows into Wellington Brook, to Clay Pit Pond, to Blair Pond, to the Alewife Brook, to Mystic River.

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 discharges, 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)?
Claypit Pond is a Category 5 for pesticides, specifically Chlordane.
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.

The following are references that support our findings:

- 1) "Summary of Health Hazards in Cambridge and Belmont, Winter 2003, Little River - Alewife Brook Subwatershed", Friends of Alewife Reservation website.
- 2) Figure entitled "Town of Belmont, Massachusetts, Storm Water Sampling and Analysis Program, Wellington Brook Tributary Area", dated August 2007 and prepared by Fay, Spofford & Thorndike, LLC or Burlington, MA.
- 3) Town of Belmont's Storm Water Discharge Municipal map
- 4) The Small Whorled Pogonia is listed as a "Threaten" species on the Federal Listed Endangered & Threatened Species In Massachusetts list and located in Groton.

The following are the cfs calculations per Part 1.A.3.c (Step 2):

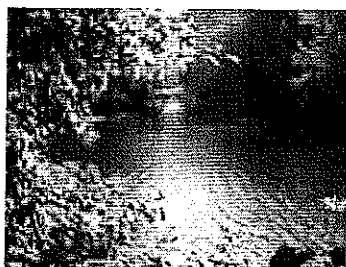
0.02896 ft³/s (average) + 12 ft³/s (mean/max flow - acquired from USGS website for Belmont) / 0.02896 ft³/s = 415

The dilution factor concentration range is > 100 from Appendix IV.

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:	Common Street Trust Property
Operator signature:	
Printed Name & Title:	Ronald K. Burns, Division Manager - Coler & Colantonio, Inc.
Date:	



Friends of Alewife Reservation (FAR)

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Summary of Health Hazards in Cambridge and Belmont
 Winter 2003, Little River - Alewife Brook subwatershed
 Mark Kirk of FAR with information from the water quality testing team of the
 Mystic River Watershed Association.
 Mystic River Monitoring Network - Libby Larson: Coordinator

Alewife Brook

Testing Sites:

For baseline monitoring, samples are collected the second Wednesday of each month from the Somerville side of the Brook, just downstream of the Broadway Bridge. This site is referred to as **ALB006**.

For the samples collected from pipes, the following abbreviations were used:

MBTA48	48" Alewife 'T' outfall beside Yates Pond
CAMD37	Alewife Brook 'beginning' near 'T' marked CSO004
ACORN1	Pond East of Acorn Park Drive's West end
HWY001	Mass Highway drain by concrete post to ditch between Oliver Rd, Lake St
CAMD38	Huge round pipe on South end of open segment by Fawcett St.
CAMD36	Fawcett St rectangular drain to West side of open segment
CAMD34	Little Pond Conduit to Wellington Brook North of R/R tracks
CAMD33	Blanchard St drain (rectangle) at Wellington Brook
BEL08S	Center (round) outfall to Wellington Brook at Brighton/Blanchard
BEL08N	Northernmost (outside round) Wellington Brook @ Brighton/Blanchard
BEL01x	Brighton St drain to Little Pond between Pond St and Sandrick Rd.
WEB013	Wellington Brook @ Common Street
WEB007	Wellington Brook outfall to Claypit Pond
WIB001	Winn's Brook outfall to Little Pond
SOMD11	CSO SOM004 by pump station
MDC86	36" MDC #8(6) by Fairfax Street
SOMD10	12" clay aka MDC #6(6)
SOMX01	Clay pipe in square bulkhead
ARL027	Pipe with flap on end
SOMD09	CSO SOM002A/SOM003
SOMD08	CSO SOM002
ARL026	In front of gate in fence
MDCX01	MDC 'lost' drain in undercut in bank
SOMD07	Storm drain just downstream of Broadway
ARL017	Broadway main drain
ARLX02	Smaller Broadway drain under bridge near upstream end
SOMD05	2nd pipe downstream of Henderson
ARL014	First drain upstream of Henderson

ARL013	2nd drain upstream of Henderson
ARL011	Mass Avenue Drain in abutment
ALB013	Alewife Brook centerline downstream of Rt 2
ADL001	ADL office park drain
ADL001	ADL office park drain DUP
MARSH1	Outflow from 'Martignetti Marsh'
WEB001	Wellington Brook mouth @ Perch Pond
BEL013	Spy Pond Conduit
BEL011	Drain to NW corner of Little Pond

For centerline sampling, the last 3 digits of the site ID indicate the location of the site in river miles from the mouth, e.g. ALB006 is 0.6 miles from the mouth at the Mystic River.

Results (Summary):

All of the waters tested have been classified as Class B waters—meaning that the water should meet fishable and swimmable standards. The Massachusetts Surface Water Quality Standards (MASWQS, 314 CMR 4.00) for primary and secondary contact are 200 cfu/100ml and 1,000 cfu/100ml, respectively, of fecal coliform from a single sample.

For the June 2002 sampling event, again four out of twenty-seven samples met the MASWQS for swimming, with the same three Little River samples coming up "clean." None of the samples violated the criteria for boating. The geometric mean for this event was 296 cfu/100 ml. Rainfall prior to the event was 0 inches, except 0.07 inches was recorded two days before the event.

Pipes monitoring – Most of the pipes sampled in April 2002 were clean, however there are several exceptions to note: MBTA48, HWY001, WEB013, MDCX01, SOMD07, ARL014, ARL013, MARSH1, BEL013, BEL011 (with exceptionally high results above 100,000 cfu/100 ml), and WIB001. There was only trace rainfall in the three days prior to this event. Repeated sampling of select pipes in June 2002 showed reduced levels at both ARL014 and ARL013, and increased levels at BEL013, BEL011, and WIB001. BEL011 had results greater than 200,000 cfu/100 ml.

Conclusion:

It is quite striking that during dry weather, the centerline results for Alewife Brook have consistently across time and space come up relatively "clean," despite some very large inputs from area pipes. The high inputs into Little Pond clearly settle out so that the Little River water is very clean. Following the Brook downstream, however, inputs from Wellington Brook again raise the bacteria levels, which then generally decline as the Brook flows to the Mystic, although there is some elevation in the ALB009 - ALB015 range.

The variation seen in the "Alewife Brook Centerline Fecal Coliform Results" could be due to the poor precision of bacteria analysis methods alone (i.e. culturing bacteria from the same sample bottle often yields results that differ widely but are the same order of magnitude). The results are all in the same order of magnitude and the graph could be considered essentially flat line. Eliminating these large point sources and improving the flow conditions of the Alewife could potentially lead to the development of a dry-weather TMDL for Alewife well within the limits of the MASWQS for Class B waters.

Baseline monitoring at ALB006 revealed that the Brook violates both the primary and secondary standards for Class B waters, especially during rain events. In October 2002 we completed some wet-weather sampling of select pipes along the Brook, although we have not yet received the results from the Lab. We hope to do more in the future as weather and resources permit, in order to evaluate the impact of wet weather pipes and non-point sources on the system.

Wellington Brook

Testing Sites:

WEB022	Belmont source for Junction Brook at 170' elevation off Pleasant Street @ McLean.
WEB020	Belmont's Junction Brook by Pleasant Street at 80' elevation. Just before it goes underground to join Wellington Brook.
WEB013	Belmont where Wellington Brook emerges from under Common Street to run behind the Library.
WEB010	Belmont behind East end of Library where brook goes back underground next to the pool and low area used for skating.
WEB007	Belmont by Concord Avenue where Wellington Brook flows into the SW corner of Claypit Pond.
WEB005	Belmont in the NE corner of Claypit Pond by outlet.
WEB003	Belmont where Wellington emerges from beneath Brighton Street before it mixes with Cambridge drain to enter Blair Pond.
WEB002	Cambridge Blair Pond outlet North just before R/R. This shows both the addition of the Cambridge drain at Blanchard Street, and some settling of contaminants in the pond.
WEB001	Cambridge before Perch Pond (end of Wellington Brook) but after the last stormdrain mixes in from Normandy Terrace and Blacks Nook.

Results (summary):

All of the waters tested have been classified as Class B waters, meaning that the water should meet fishable and swimmable standards. For fecal coliform, all but two of the results violated the Massachusetts Surface Water Quality Standards (314 CMR 4.00) for primary and secondary contact. The two sites which met primary contact standards were Belmont in the NE corner of Claypit Pond (WEB005), and Junction Brook at Pleasant Street (WEB020). The highest result for fecal coliform (65,000 cfu/100 mL) was at WEB013, Wellington Brook behind the library.

Two sampling locations had dissolved oxygen (DO) results below one of the criteria established by the state. Wellington Brook in Cambridge before Perch Pond (WEB001), and Wellington Brook in Cambridge at Blair Pond (WEB002) both had percent saturation readings below the MASQWS standard of 60%.

Conclusion:

The high levels of fecal coliform and E. coli bacteria are of concern for public health, especially because many of the sampling locations have easy public access. The two locations nearest the Library have the easiest and most frequent public use. However, during these winter months the potential for public contact is reduced. Due to the very high results at several locations (particularly the location behind the Library), we hypothesize that sewage is contaminating the Brook at points currently culverted. Additional bracket sampling would be required via manholes to determine precise locations. The Mystic River Watershed Association would be happy to assist the town of Belmont in any further sampling and investigation.

Winn's Brook

Testing Sites:

WIB001	Winn's Brook outfall to Little Pond
WIB003	Grate over Brook East side of Waterhouse Road
WIB005	Grate over Brook North side of Sherman Street
WIBUTA	Grate over Tributary 'A' @ 32 Frost Street
WIB009	Brook beside 73 Claflin Street upstream of grate
WIB012	Brook East side of Clifton Street by Hickory Lane
WIB013	Brook at Howells Road footpath bridge
WIBUTB	Tributary 'B' South side of Pleasant West of Clifton St
ATB004	Atkins Brook by wetland pond in Audubon Sanctuary

Results

For the baseline monitoring, the geometric mean for WIB001 is 844 cfu/100 ml for the period 7/2000 – 5/2002. For these samples, 75% violated the standard for primary contact, and 46% violated the standard for secondary contact.

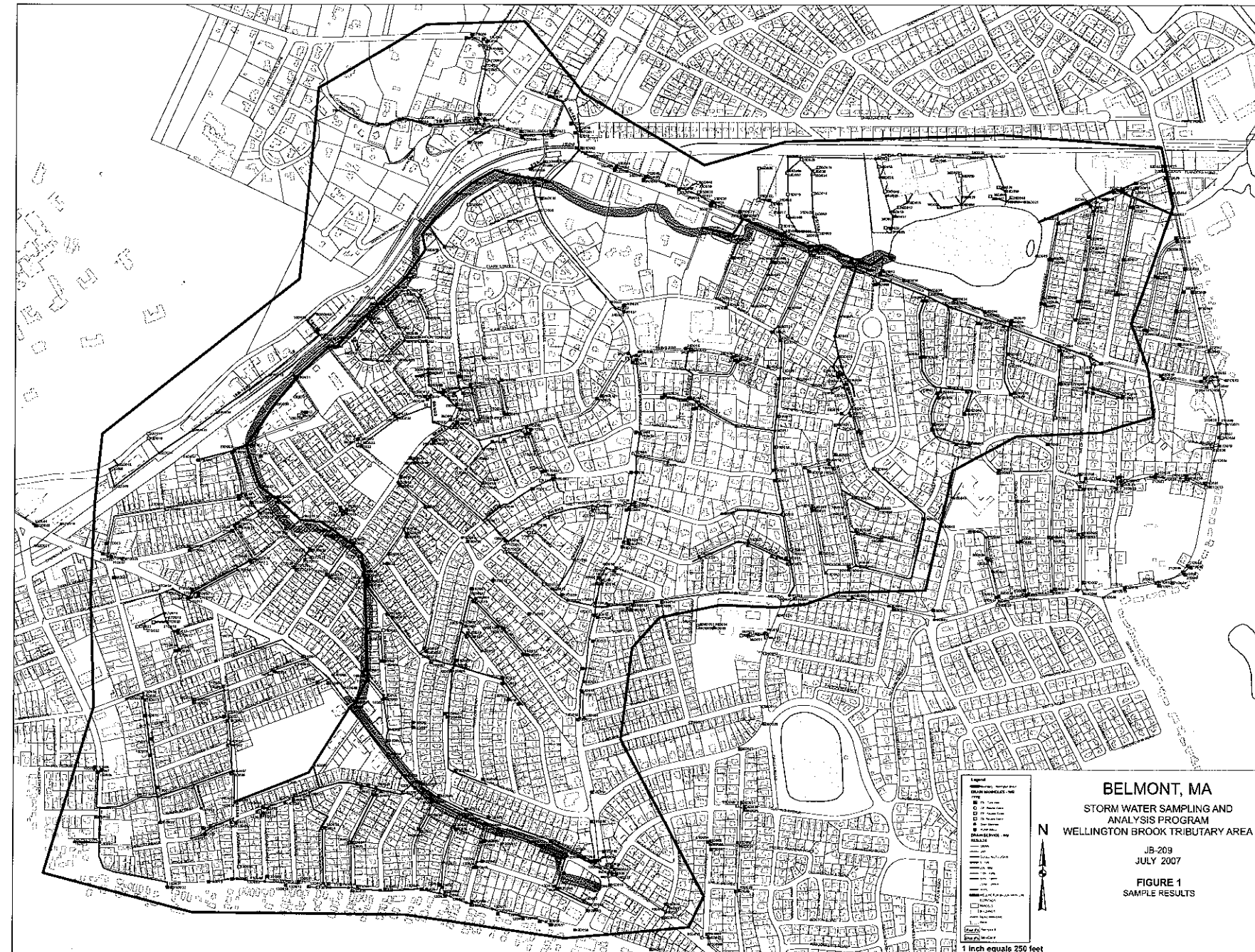
For the March 26th monitoring, 4 samples violated the primary contact standard, and only 2 violated the secondary contact standard. The two violations occurred at WIB001 and WIB005 (Grate over Brook North side of Sherman Street).

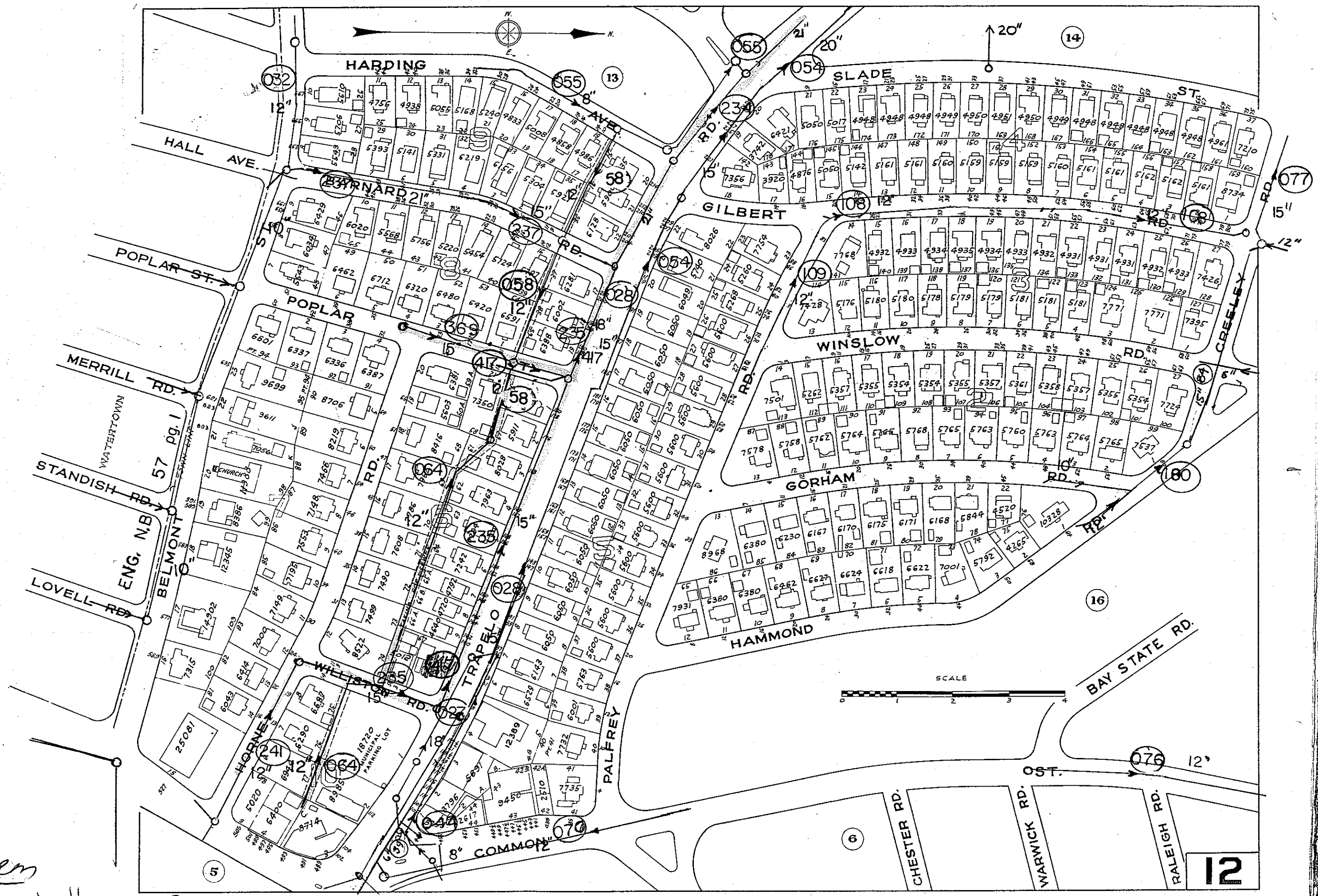
One sampling location had dissolved oxygen (DO) results below one of the criteria established by the state. Atkin's Brook had a percent saturation of 58.3%, just below the state standard of 60%. This is probably due to the effect of the nearby wetland on the Brook.

While there are no state standards for salinity, salinity can be an indicator of probable contamination. For the March 26th sampling, salinity ranged from 0.2 ppt at Tributary A (WIBUTA) to 0.6 ppt at Tributary B (WIBUTB) and WIB003.

Conclusion

The high levels of fecal coliform and E. coli bacteria are of concern for public health, especially because Winn's Brook discharges into Little Pond, which is used recreationally. Atkins Brook and upstream sections of Winn's Brook are very clean. Due to the higher concentrations of fecal coliform downstream at WIB001 and WIB005, we hypothesize that sewage is contaminating the Brook at points currently culverted. Additional bracket sampling would be required via manholes to determine precise locations. The Mystic River Watershed Association would be happy to assist the town of Belmont in any further sampling and investigation.

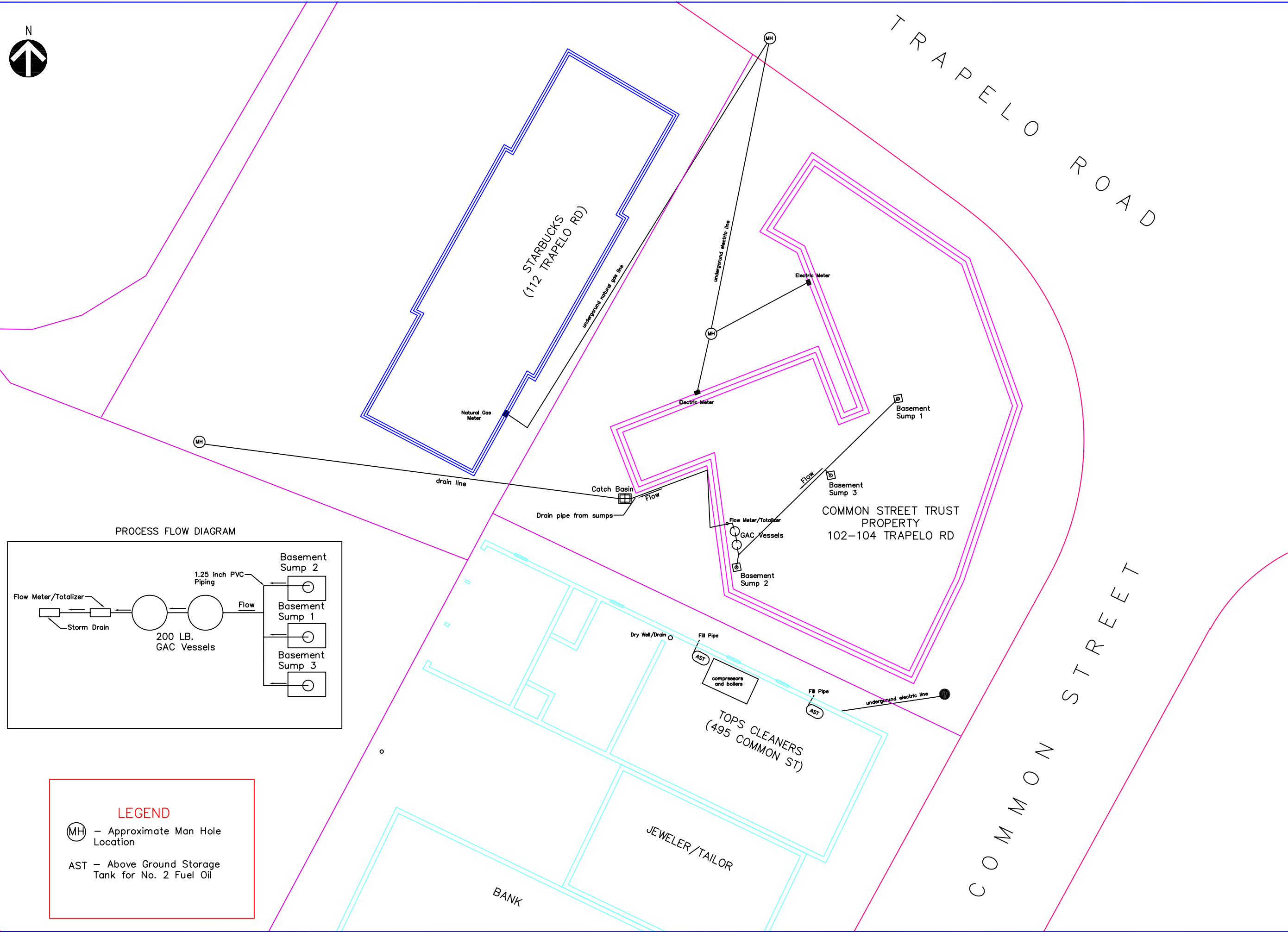




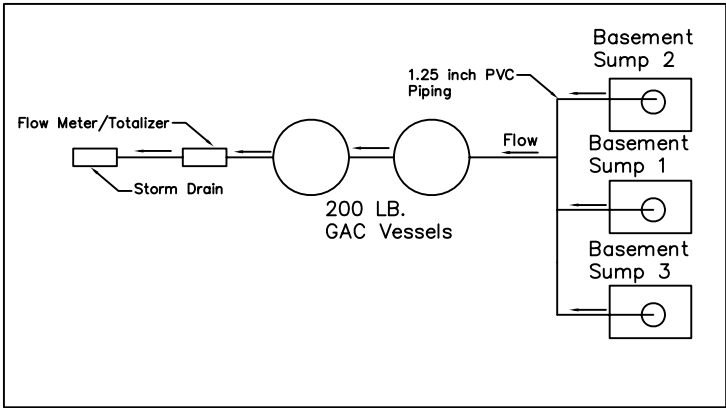
STORM

Discharges to Wellington Brook.

pages 12, 14, 16



PROCESS FLOW DIAGRAM



LEGEND

- (MH) - Approximate Man Hole Location
- AST - Above Ground Storage Tank for No. 2 Fuel Oil

REVISIONS:		
No.	DATE	

GENERAL NOTES:

Plan based on Belmont Assessor maps, Figure No. 6-1 prepared by GeoSyntec Consultants of Acton, MA and prepared on 10/14/2004, field measurements collected by C&C, and utilities marked-out at the Site.

COLER & COLANTONIO INC

ENGINEERS AND SCIENTISTS

781-982-5400
Fax: 781-982-5490

101 Accord Park Drive
Norwell, MA 02061-1685

TITLE:

FIGURE 2

Process Flow and Treatment Location Plan

PREPARED FOR:	
JENKINS-STARR, LLC 70 INDUSTRIAL DRIVE HOLDEN, MA 01520	
DATE:	March 14, 2006
COMP./DESIGN:	GAC/PAI/TJM
CHECK:	PAI
DRAWN:	GAC
SCALE:	1" = 20'
JOB NO.: F:\PROJECT\DIV11\11-1200\11-1226 Tops Cleaners\Figures\NEW Figure 2-tops.dwg	
DWG NO.: FIG.2.dwg SHEET: 1 OF 1	

Appendix D (Continued)
Summary of Influent and Effluent Data and Recertification Data for Remediation General Permit - MAG910403
Common Street Trust Building
102-104 Trapelo Road Belmont, MA

Date:	*1/9/2009	1/30/2009		2/24/2009		3/24/2009		4/23/2009		5/21/2009		6/19/2009		Appendiix III - Effluent Limits	Appendiix IV - Effluent Dilution Limits	Appendiix IV - Effluent Dilution Limits	Laboratory Method
Sample ID:	Effluent L0900321-01	Influent L0901213-01	Effluent L0901213-02	Influent L0902270-01	Effluent L0902270-01	Influent L0903569-01	Effluent L0903569-02	Influent L0905106-01	Effluent L0905106-02	Influent L0906576-01	Effluent L0906576-02	Influent L0908325-01	Effluent L0908325-02				
Lab Number:																	
RGP Parameters micrograms per Liter (ug/L)																	
VOCs																	
1,1-Dichloroethane (DCA)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<1.2	<0.5	<0.5	<0.5	<0.5	70	NA	NA	524 (8260C equivalent)
Tetrachloroethene (PCE)	<0.5	460	<0.5	130	2.9	690	15	470	69	740	60	160	43	5	NA	NA	524 (8260C equivalent)
1,2-Dichloroethane	<0.5	<0.5		<0.5		<0.5	<0.5	<5	<1.2	<0.5	<0.5	<0.5	<0.5	5	NA	NA	524 (8260C equivalent)
Vinyl chloride	<0.5	0.99	<0.5	<0.5	<0.5	0.56	<0.5	<5	<1.2	0.66	<0.5	<0.5	<0.5	2	NA	NA	524 (8260C equivalent)
Trichloroethene	<0.5	29	<0.5	6	<0.5	43	1	25	4.3	36	3.6	6.4	2.8	5	NA	NA	524 (8260C equivalent)
Methyl tert butyl ether	<0.5	80	9.8	20	30	110	36	56	19	77	5.9	20	6.1	70	NA	NA	524 (8260C equivalent)
cis-1,2-Dichloroethene	<0.5	27	<0.5	5.8	0.64	32	3.6	22	7.7	29	9.7	7	8.6	70	NA	NA	524 (8260C equivalent)
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<1.2	<0.5	<0.5	<0.5	<0.5	0.1	NA	NA	524 (8260C equivalent)
Total Residual Chlorine (TRC)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	20	NA	NA	4500 (160.2 equivalent)
pH (units: SU)		7		7		7		6		7		7		6.5-8.3	NA	NA	4500
Total Cyanide	5	27	8	23	13	14	12	24	20	14	15	42	37	10	NA	NA	4500 (330.5 equivalent)
Metals																	
Lead, Total	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1.3	132	430	6020 (ICP-MS- 200.7/1620 equivalent)
Arsenic, Total	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	10	540	540	6020 (ICP-MS- 200.7/1620 equivalent)
Chromium, Total	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	48.8	1,710	1,710	6020 (ICP-MS- 200.7/1620 equivalent)
Copper, Total	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5.2	520	2,070	6020 (ICP-MS- 200.7/1620 equivalent)
Iron, Total	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	1,000	5,000	5,000	200.7
Nickel, Total	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	29	2,380	2,380	6020 (ICP-MS- 200.7/1620 equivalent)
Selenium, Total	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	5	408	408	6020 (ICP-MS- 200.7/1620 equivalent)
Zinc, Total	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	66.6	1,480	1,480	6020 (ICP-MS- 200.7/1620 equivalent)

Notes:
BOLD = above applicable Cleanup Standards
NS = not specified, NT = not tested, ND=Not Detected, DF = Dilution Factor
Values with the < Symbol before it are less than the Laboratory Reporting Limits
* Added additional drum of GAC
Dilution Factor: DF = (0.02896 + 12)/0.02896= 415 ug/L

Appendix D (Continued)
Summary of Influent and Effluent Data and Recertification Data for Remediation General Permit - MAG910403
Common Street Trust Building
102-104 Trapelo Road Belmont, MA

Date:	*7/2/2009	7/21/2009 Influent - RE- CERT DATA	*7/22/2009	7/28/2009			7/31/2009		**8/10/2009	8/13/2009		8/26/2009		Appendiix III - Effluent Limits	Appendiix IV - Effluent Dilution Limits (>100 ug/L)	Appendiix IV - Effluent Dilution Limits (Ceiling Value)	Laboratory Method
Sample ID: Lab Number:	Effluent L0908975-01	L0909879-01	Effluent L0909950-01	Influent L0910271-01	Midpoint L0910271-03	Effluent L0910271-02	Influent L0910559-04	Effluent L0910559-05	Enfluent L0910559-05	Influent L0911303-01	Effluent L0911303-02	Influent L0911867-01	Effluent L0911867-02				
RGP Parameters micrograms per Liter (ug/L)																	
VOCs																	
1,1-Dichloroethane (DCA)	NT	<1.5	<0.5	<2.5	NT	<0.5	NT	NT	NT	NT	NT	<2.5	<0.5	70	NA	NA	524 (8260C equivalent)
Tetrachloroethene (PCE)	NT	660	<0.5	130	NT	<0.5	NT	NT	NT	NT	NT	540	<0.5	5	NA	NA	524 (8260C equivalent)
1,2-Dichloroethane	NT	<1.5	<0.5	<2.5	NT	<0.5	NT	NT	NT	NT	NT	<2.5	<0.5	5	NA	NA	524 (8260C equivalent)
1,1,1-Trichloroethane	NT	<2	<0.5	<2.5	NT	<0.5	NT	NT	NT	NT	NT			200	NA	NA	524 (8260C equivalent)
Vinyl chloride	NT	<2	<0.5	<2.5	NT	<0.5	NT	NT	NT	NT	NT	<2.5	<0.5	2	NA	NA	524 (8260C equivalent)
Trichloroethene	NT	21	<0.5	4	NT	<0.5	NT	NT	NT	NT	NT	17	<05	5	NA	NA	524 (8260C equivalent)
Methyl tert butyl ether	NT	51	10	28	NT	8.7	NT	NT	NT	NT	NT	41	2.1	70	NA	NA	524 (8260C equivalent)
cis-1,2-Dichloroethene	NT	24	<0.5	4	NT	<0.5	NT	NT	NT	NT	NT	20	<0.5	70	NA	NA	524 (8260C equivalent)
1,2-Dibromoethane (EDB)	NT	<0.019*	<0.019	<0.02*	NT	<0.019	NT	NT	NT	NT	NT	<0.01	<0.01	0.05	NA	NA	504
Total Residual Chlorine (TRC)	NT	<20	<20	<20	NT	<20	NT	NT	NT	NT	NT	<20	<20	20	NA	NA	4500 (160.2 equivalent)
pH (units: SU)		6.3	6.9	6.9	NT	7.2	NT	NT	NT	NT	NT	6.8	6.8	6.5-8.3	NA	NA	4500
Total Cyanide	11	24	26	13	23	23	20	NT	<5	44	6	17	<5	10	NA	NA	4500 (330.5 equivalent)
Metals																	
Lead, Total	NT	2.1	NT	NT	NT	NT	NT	2.2	NT	NT	NT	1	<1	1.3	132	430	6020 (ICP-MS- 200.7/1620 equivalent)
Arsenic, Total	NT	0.8	NT	NT	NT	NT	NT	2.9	NT	NT	NT	3.8	4.3	10	540	540	6020 (ICP-MS- 200.7/1620 equivalent)
Chromium, Total	NT	0.5	NT	NT	NT	NT	NT	<0.5	NT	NT	NT	<1	<1	48.8	1,710	1,710	6020 (ICP-MS- 200.7/1620 equivalent)
Copper, Total	NT	4.3	NT	NT	NT	NT	NT	5.8	NT	NT	<0.5	16	16	5.2	520	2,070	6020 (ICP-MS- 200.7/1620 equivalent)
Iron, Total	NT	250	NT	NT	NT	NT	NT	<50	NT	NT	NT	80	<50	1,000	5,000	5,000	200.7
Nickel, Total	NT	4.4	NT	NT	NT	NT	NT	13.2	NT	NT	NT	6.8	3.9	29	2,380	2,380	6020 (ICP-MS- 200.7/1620 equivalent)
Selenium, Total	NT	1	NT	NT	NT	NT	NT	<1	NT	NT	NT	<5	<5	5	408	408	6020 (ICP-MS- 200.7/1620 equivalent)
Zinc, Total	NT	18.9	NT	NT	NT	NT	NT	91.6	NT	NT	52.8	29	57	66.6	1,480	1,480	6020 (ICP-MS- 200.7/1620 equivalent)

Notes:
BOLD = above applicable Cleanup Standards
NS = not specified, NT = not tested, ND=Not Detected, DF = Dilution Factor
Values with the < Symbol before it are less than the Laboratory Reporting Limits
* Added additional drum of GAC
** Added drum of Ion Exchangin Resin
Dilution Factor: DF = (0.02896 + 12)/0.02896= 415 ug/L

Appendix D (Continued)
Summary of Influent and Effluent Data and Recertification Data for Remediation General Permit - MAG910403
Common Street Trust Building
102-104 Trapelo Road Belmont, MA

Date:	9/25/2009		10/26/2009		11/23/2009		12/29/2009		1/21/2010		2/24/2010		Appendiix III - Effluent Limits	Appendiix IV - Effluent Dilution Limits (>100 ug/L)	Appendiix IV - Effluent Dilution Limits (Ceiling Value)	Laboratory Method
Sample ID:	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent (Re-Cert)	Effluent	Influent	Effluent				
Lab Number:	L0913557-01	L0913557-02	L0915279-01	L0915279-02	L0916936-01	L0916936-02	L0918783-01	L0918783-02	L1001006-01	L1001006-02	L1002735-01	L1002735-02				
RGP Parameters micrograms per Liter (ug/L)																
VOCs																
1,1-Dichloroethane (DCA)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<7.5	<0.5	<0.5	<0.5	70	NA	NA	524 (8260C equivalent)
Tetrachloroethene (PCE)	520	<0.5	69	<0.5	450	<0.5	1000	<0.5	500	<0.5	190	<0.5	5	NA	NA	524 (8260C equivalent)
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<0.5	<7.5	<0.5	<0.5	<0.5	5	NA	NA	524 (8260C equivalent)
Vinyl chloride	<0.66	<0.5	<0.5	<0.5	0.62	<0.5	<5	<0.5	<10	<0.5	<0.5	<0.5	2	NA	NA	524 (8260C equivalent)
Trichloroethene	16	<0.5	5.7	<0.5	28	<0.5	29	<0.5	22	<0.5	11	<0.5	5	NA	NA	524 (8260C equivalent)
Methyl tert butyl ether	65	3.6	7.9	3.1	42	0.64	28	1.4	<100	2.2	17	6.3	70	NA	NA	524 (8260C equivalent)
cis-1,2-Dichloroethene	17	<0.5	7.6	<0.5	63	<0.5	76	<0.5	59	<0.5	22	<0.5	70	NA	NA	524 (8260C equivalent)
1,2-Dibromoethane (EDB)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.009	<0.01	<0.01	<0.01	<0.011	0.05	NA	NA	504
Total Residual Chlorine (TRC)	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	20	NA	NA	4500 (160.2 equivalent)
pH (units: SU)	6.3	6.3	7.3	6.9	6.8	6.8	7	6.9	6.6	6.6	6.9	6.8	6.5-9	NA	NA	4500
Total Cyanide	11	<5	47	<5	29	<5	28	<5	60	<10	10	<10	10	NA	NA	4500 (330.5 equivalent)
Metals																
Lead, Total	0.8	<0.5	NT	NT	NT	NT	NT	NT	0.6	NT	NT	NT	1.3	132	430	6020 (ICP-MS- 200.7/1620 equivalent)
Arsenic, Total	0.8	0.9	NT	NT	NT	NT	NT	NT	<0.5	NT	NT	NT	10	540	540	6020 (ICP-MS- 200.7/1620 equivalent)
Chromium, Total	<5	<0.5	NT	NT	NT	NT	NT	NT	0.5	NT	NT	NT	48.8	1,710	1,710	6020 (ICP-MS- 200.7/1620 equivalent)
Copper, Total	NT	NT	NT	NT	NT	NT	NT	NT	3	NT	NT	NT	5.2	520	2,070	6020 (ICP-MS- 200.7/1620 equivalent)
Iron, Total	598	517	NT	NT	NT	NT	NT	NT	<50	NT	NT	NT	1,000	5,000	5,000	200.7
Nickel, Total	5.7	2.7	NT	NT	NT	NT	NT	NT	4.5	NT	NT	NT	29	2,380	2,380	6020 (ICP-MS- 200.7/1620 equivalent)
Selenium, Total	2	1	NT	NT	NT	NT	NT	NT	1	NT	NT	NT	5	408	408	6020 (ICP-MS- 200.7/1620 equivalent)
Zinc, Total	21.3	51.1	NT	NT	NT	NT	NT	NT	56.4	NT	NT	NT	66.6	1,480	1,480	6020 (ICP-MS- 200.7/1620 equivalent)

Notes:
BOLD = above applicable Cleanup Standards
NS = not specified, NT = not tested, ND=Not Detected, DF = Dilution Factor
Values with the < Symbol before it are less than the Laboratory Reporting Limits
* Added additional drum of GAC
** Added drum of Ion Exchangin Resin
Dilution Factor: DF = (0.02896 + 12)/0.02896= 415 ug/L

Appendix D (Continued)
Summary of Influent and Effluent Data and Recertification Data for Remediation General Permit - MAG910403
Common Street Trust Building
102-104 Trapelo Road Belmont, MA

Date:	***3/4/2010	3/18/2010	3/26/2010		4/21/2010		5/25/2010		6/25/2010		7/27/2010		Appendiix III - Effluent Limits	Appendiix IV - Effluent Dilution Limits (>100 ug/L)	Appendiix IV - Effluent Dilution Limits (Ceiling Value)	Laboratory Method
Sample ID:	Effluent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent (Re-Cert)	Effluent	Influent	Effluent				
Lab Number:	L1003236-01	L1003989-01	L1004353-01	L1004353-02	L1005802-01	L1005802-02	L1007794-01	L1007794-02	L1009583-01	L1009583-01	L1011345-01	L1011345-02				
RGP Parameters micrograms per Liter (ug/L)																
VOCs																
1,1-Dichloroethane (DCA)	<0.5	<0.5	<5	<0.5	<12	<0.5	<12	<0.5	<1.5	<0.5	<12	<0.5	70	NA	NA	524 (8260C equivalent)
Tetrachloroethene (PCE)	1.1	1.1	670	<0.5	910	<0.5	460	<0.5	460****	<0.5	250	<0.5	5	NA	NA	524 (8260C equivalent)
1,2-Dichloroethane	<0.5	<0.5	<5	<0.5	<12	<0.5	<12	<0.5	<1.5	<0.5	<12	<0.5	5	NA	NA	524 (8260C equivalent)
Vinyl chloride	<0.5	<0.5	<5	<0.5	<12	<0.5	<12	<0.5	<2	<0.5	<12	<0.5	2	NA	NA	524 (8260C equivalent)
Trichloroethene	<0.5	<0.5	31	<0.5	51	<0.5	16	<0.5	13	<0.5	<12	<0.5	5	NA	NA	524 (8260C equivalent)
Methyl tert butyl ether	11	0.79	26	8.1	28	14	30	15	21	12	25	12	70	NA	NA	524 (8260C equivalent)
cis-1,2-Dichloroethene	<0.5	<0.5	32	<0.5	85	<0.5	36	<0.5	33	<0.5	22	<0.5	70	NA	NA	524 (8260C equivalent)
1,2-Dibromoethane (EDB)	NT	NT	<0.010	<0.010	<0.010	<0.011	<0.010	<0.011	<0.01	<0.01	<0.01	<0.009	0.05	NA	NA	504
Total Residual Chlorine (TRC)	NT	NT	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	20	NA	NA	4500 (160.2 equivalent)
pH (units: SU)	NT	NT	7.1	7	6.3	6.4	6.5	6.4	NT	6.3	6.2	6.4	6.5-9	NA	NA	4500
Total Cyanide	<10	<5	32	<5	21	<5	11	<5	12	<5	16	<5	10	NA	NA	4500 (330.5 equivalent)
Metals																
Lead, Total	NT	NT	NT	NT	NT	NT	NT	NT	<2	NT	NT	NT	1.3	132	430	6020 (ICP-MS- 200.7/1620 equivalent)
Arsenic, Total	NT	NT	NT	NT	NT	NT	NT	NT	<2	NT	NT	NT	10	540	540	6020 (ICP-MS- 200.7/1620 equivalent)
Chromium, Total	NT	NT	NT	NT	NT	NT	NT	NT	<2	NT	NT	NT	48.8	1,710	1,710	6020 (ICP-MS- 200.7/1620 equivalent)
Copper, Total	NT	NT	NT	NT	NT	NT	NT	NT	3.2	NT	NT	NT	5.2	520	2,070	6020 (ICP-MS- 200.7/1620 equivalent)
Iron, Total	NT	NT	NT	NT	NT	NT	NT	NT	<50	NT	NT	NT	1,000	5,000	5,000	200.7
Nickel, Total	NT	NT	NT	NT	NT	NT	NT	NT	6.8	NT	NT	NT	29	2,380	2,380	6020 (ICP-MS- 200.7/1620 equivalent)
Selenium, Total	NT	NT	NT	NT	NT	NT	NT	NT	<4	NT	NT	NT	5	408	408	6020 (ICP-MS- 200.7/1620 equivalent)
Zinc, Total	NT	NT	NT	NT	NT	NT	NT	NT	20.8	NT	NT	NT	66.6	1,480	1,480	6020 (ICP-MS- 200.7/1620 equivalent)

Notes:
BOLD = above applicable effluent limits
NS = not specified, NT = not tested, ND=Not Detected, DF = Dilution Factor
Values with the < Symbol before it are less than the Laboratory Reporting Limits
* Added additional drum of GAC
** Added drum of Ion Exchangin Resin
*** P&T malfunctioned; operating with one GAC drum and one IX Resin drum.
**** Sample diluted. The estimted concetration is 790 . The re-analyzed concentration is shown.
Dilution Factor: DF = (0.02896 + 12)/0.02896= 415 ug/L

Appendix D (Continued)
Summary of Influent and Effluent Data and Recertification Data for Remediation General Permit - MAG910403
Common Street Trust Building
102-104 Trapelo Road Belmont, MA

Date:	8/25/2010		9/24/2010		11/22/2010		Appendiix III - Effluent Limits	Appendiix IV - Effluent Dilution Limits (>100 ug/L)	Appendiix IV -	Laboratory
Sample ID:	Influent	Effluent	Influent	Effluent	Influent	Effluent				
Lab Number:	L1013145-01	L1013145-02	L1014897-01	L1014897-02	360-31216-1	360-31216-2				
RGP Parameters micrograms per Liter (ug/L)										
VOCs										
1,1-Dichloroethane (DCA)	<0.5	<0.5	<0.5	<0.5	<25	<1	70	NA	NA	524 (8260C equivalent)
Tetrachloroethene (PCE)	28	<0.5	320	<0.5	620	<1	5	NA	NA	524 (8260C equivalent)
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<25	<1	5	NA	NA	524 (8260C equivalent)
Vinyl chloride	<0.5	<0.5	<0.5	<0.5	<12	<0.5	2	NA	NA	524 (8260C equivalent)
Trichloroethene	1.7	<0.5	8.2	<0.5	<25	<1	5	NA	NA	524 (8260C equivalent)
Methyl tert butyl ether	2.1	12	2.9	9.9	<25	8.1	70	NA	NA	524 (8260C equivalent)
cis-1,2-Dichloroethene	4	<0.5	15	0.51	32	<1	70	NA	NA	524 (8260C equivalent)
1,2-Dibromoethane (EDB)	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	0.05	NA	NA	504
Total Residual Chlorine (TRC)	<20	<20	<10	<2	70*	<20*	20	NA	NA	4500 (160.2 equivalent)
pH (units: SU)	7	6.9	7.4	6.7	7.1*	7.04*	6.5-9	NA	NA	4500
Chloride	NT	NT	NT	NT	840,000	650,000	monitor	monitor	monitor	300
Total Cyanide	<24	<5	7	<5	24	<10	10	NA	NA	4500 (330.5 equivalent)
Metals										
Lead, Total	NT	NT	NT	NT	NT	NT	1.3	132	430	6020 (ICP-MS- 200.7/1620 equivalent)
Arsenic, Total	NT	NT	NT	NT	NT	NT	10	540	540	6020 (ICP-MS- 200.7/1620 equivalent)
Chromium, Total	NT	NT	NT	NT	NT	NT	48.8	1,710	1,710	6020 (ICP-MS- 200.7/1620 equivalent)
Copper, Total	NT	NT	NT	NT	NT	NT	5.2	520	2,070	6020 (ICP-MS- 200.7/1620 equivalent)
Iron, Total	NT	NT	NT	NT	NT	NT	1,000	5,000	5,000	200.7
Nickel, Total	NT	NT	NT	NT	NT	NT	29	2,380	2,380	6020 (ICP-MS- 200.7/1620 equivalent)
Selenium, Total	NT	NT	NT	NT	NT	NT	5	408	408	6020 (ICP-MS- 200.7/1620 equivalent)
Zinc, Total	NT	NT	NT	NT	NT	NT	66.6	1,480	1,480	6020 (ICP-MS- 200.7/1620 equivalent)

Notes:
BOLD = above applicable effluent limits
NS = not specified, NT = not tested, ND=Not Detected, DF = Dilution Factor
Values with the < Symbol before it are less than the Laboratory Reporting Limits
If concentration has been estimated and reanalyzed, then the highest concentration has been indicated.
Dilution Factor: DF = (0.02896 + 12)/0.02896= 415 ug/L
*analyzed out of hold time.



ANALYTICAL REPORT

Lab Number:	L1009583
Client:	Coler & Colantonio 101 Accord Park Drive Norwell, MA 02061
ATTN:	Glen Cote
Phone:	(781) 982-5461
Project Name:	TOPS/CST BLDG
Project Number:	11-1226.00
Report Date:	07/02/10

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: TOPS/CST BLDG
Project Number: 11-1226.00

Lab Number: L1009583
Report Date: 07/02/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1009583-01	INFLUENT	102-104 TRAPELO RD.	06/25/10 08:10
L1009583-02	EFFLUENT	102-104 TRAPELO RD.	06/25/10 08:00

Project Name: TOPS/CST BLDG
Project Number: 11-1226.00

Lab Number: L1009583
Report Date: 07/02/10

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.

Volatile Organics

L1009583-01 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Metals

L1009583-01 has elevated detection limits, with the exception of Iron and Mercury, due to the dilution required by the high concentrations of non-target analytes. The requested reporting limits were not achieved.

Cyanide, Total

The WG420270-4 MS recovery (111%), performed on L1009583-02, is above the acceptance criteria;

Project Name: TOPS/CST BLDG
Project Number: 11-1226.00

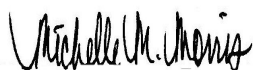
Lab Number: L1009583
Report Date: 07/02/10

Case Narrative (continued)

however, the associated LCS recovery was within criteria. No further action was taken.

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: 07/02/10

ORGANICS

VOLATILES

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS**

Lab ID: L1009583-01

Date Collected: 06/25/10 08:10

Client ID: INFLUENT

Date Received: 06/25/10

Sample Location: 102-104 TRAPELO RD.

Field Prep: Not Specified

Matrix: Water

Analytical Method: 14,504.1

Extraction Date: 06/28/10 09:30

Analytical Date: 06/28/10 12:33

Analyst: SS

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

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS**

Lab ID: L1009583-01
Client ID: INFLUENT
Sample Location: 102-104 TRAPELO RD.
Matrix: Water
Analytical Method: 5,624
Analytical Date: 06/28/10 10:37
Analyst: TT

Date Collected: 06/25/10 08:10
Date Received: 06/25/10
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	790	E	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	33		ug/l	1.0	--	1
Trichloroethene	13		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	5.0	--	1

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

SAMPLE RESULTS

Lab ID: L1009583-01

Date Collected: 06/25/10 08:10

Client ID: INFLUENT

Date Received: 06/25/10

Sample Location: 102-104 TRAPELO RD.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	5.0	--	1
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
Methyl tert butyl ether	21		ug/l	20	--	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	101		80-120
Fluorobenzene	100		80-120
4-Bromofluorobenzene	108		80-120

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS**

Lab ID: L1009583-01 D
Client ID: INFLUENT
Sample Location: 102-104 TRAPELO RD.
Matrix: Water
Analytical Method: 5,624
Analytical Date: 06/30/10 08:21
Analyst: TT

Date Collected: 06/25/10 08:10
Date Received: 06/25/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	460		ug/l	15	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	103		80-120
Fluorobenzene	100		80-120
4-Bromofluorobenzene	109		80-120

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS**

Lab ID: L1009583-02

Date Collected: 06/25/10 08:00

Client ID: EFFLUENT

Date Received: 06/25/10

Sample Location: 102-104 TRAPELO RD.

Field Prep: Not Specified

Matrix: Water

Analytical Method: 14,504.1

Extraction Date: 06/28/10 09:30

Analytical Date: 06/28/10 12:46

Analyst: SS

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

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS**

Lab ID: L1009583-02
Client ID: EFFLUENT
Sample Location: 102-104 TRAPELO RD.
Matrix: Water
Analytical Method: 16,524.2
Analytical Date: 06/29/10 08:52
Analyst: TT

Date Collected: 06/25/10 08:00
Date Received: 06/25/10
Field Prep: Not Specified

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

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS****Lab ID:** L1009583-02**Date Collected:** 06/25/10 08:00**Client ID:** EFFLUENT**Date Received:** 06/25/10**Sample Location:** 102-104 TRAPELO RD.**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	0.50	--	1
1,4-Dichlorobenzene	ND		ug/l	0.50	--	1
Styrene	ND		ug/l	0.50	--	1
o-Xylene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	0.50	--	1
2,2-Dichloropropane	ND		ug/l	0.50	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
1,2,3-Trichloropropane	ND		ug/l	0.50	--	1
Bromochloromethane	ND		ug/l	0.50	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
Dichlorodifluoromethane	ND		ug/l	0.50	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.50	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	0.50	--	1
1,2,4-Trichlorobenzene	ND		ug/l	0.50	--	1
1,2,4-Trimethylbenzene	ND		ug/l	0.50	--	1
1,3,5-Trimethylbenzene	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	0.50	--	1
o-Chlorotoluene	ND		ug/l	0.50	--	1
p-Chlorotoluene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	0.50	--	1
1,2-Dibromoethane	ND		ug/l	0.50	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	--	1
1,3-Dichloropropane	ND		ug/l	0.50	--	1
Methyl tert butyl ether	12		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	99		80-120
4-Bromofluorobenzene	94		80-120

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2

Analytical Date: 06/29/10 07:37

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG418232-10					
Methylene chloride	ND		ug/l	0.50	--
1,1-Dichloroethane	ND		ug/l	0.50	--
Chloroform	ND		ug/l	0.50	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	0.50	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.50	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	0.50	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	0.50	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.50	--
Ethylbenzene	ND		ug/l	0.50	--
p/m-Xylene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	0.50	--
Bromomethane	ND		ug/l	0.50	--
Vinyl chloride	ND		ug/l	0.50	--
Chloroethane	ND		ug/l	0.50	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.50	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	0.50	--
1,3-Dichlorobenzene	ND		ug/l	0.50	--

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 16,524.2

Analytical Date: 06/29/10 07:37

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG418232-10					
1,4-Dichlorobenzene	ND		ug/l	0.50	--
Styrene	ND		ug/l	0.50	--
o-Xylene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	0.50	--
2,2-Dichloropropane	ND		ug/l	0.50	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
1,2,3-Trichloropropane	ND		ug/l	0.50	--
Bromochloromethane	ND		ug/l	0.50	--
n-Butylbenzene	ND		ug/l	0.50	--
Dichlorodifluoromethane	ND		ug/l	0.50	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	0.50	--
n-Propylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	0.50	--
1,2,4-Trichlorobenzene	ND		ug/l	0.50	--
1,2,4-Trimethylbenzene	ND		ug/l	0.50	--
1,3,5-Trimethylbenzene	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	0.50	--
o-Chlorotoluene	ND		ug/l	0.50	--
p-Chlorotoluene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	0.50	--
1,2-Dibromoethane	ND		ug/l	0.50	--
1,2-Dibromo-3-chloropropane	ND		ug/l	0.50	--
1,3-Dichloropropane	ND		ug/l	0.50	--
Methyl tert butyl ether	ND		ug/l	0.50	--

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**Method Blank Analysis**
Batch Quality Control

Analytical Method: 16,524.2

Analytical Date: 06/29/10 07:37

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG418232-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	99		80-120
4-Bromofluorobenzene	96		80-120

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 5,624

Analytical Date: 06/28/10 07:37

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG419849-6					
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: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 5,624

Analytical Date: 06/28/10 07:37

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG419849-6					
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	10	--
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	98		80-120
Fluorobenzene	98		80-120
4-Bromofluorobenzene	108		80-120

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 5,624

Analytical Date: 06/30/10 07:47

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG419849-8					
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: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 5,624

Analytical Date: 06/30/10 07:47

Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG419849-8					
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	101		80-120
Fluorobenzene	98		80-120
4-Bromofluorobenzene	109		80-120

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**Method Blank Analysis**
Batch Quality Control

Analytical Method: 14,504.1

Analytical Date: 06/28/10 10:12

Analyst: SS

Extraction Date: 06/28/10 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG420253-1					
1,2-Dibromoethane	ND		ug/l	0.010	--

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG418232-9								
Methylene chloride	98		-		70-130	-		
1,1-Dichloroethane	97		-		70-130	-		
Chloroform	91		-		70-130	-		
Carbon tetrachloride	75		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Dibromochloromethane	87		-		70-130	-		
1,1,2-Trichloroethane	91		-		70-130	-		
Tetrachloroethene	97		-		70-130	-		
Chlorobenzene	93		-		70-130	-		
Trichlorofluoromethane	86		-		70-130	-		
1,2-Dichloroethane	92		-		70-130	-		
1,1,1-Trichloroethane	88		-		70-130	-		
Bromodichloromethane	84		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
cis-1,3-Dichloropropene	88		-		70-130	-		
Bromoform	83		-		70-130	-		
1,1,2,2-Tetrachloroethane	91		-		70-130	-		
Benzene	97		-		70-130	-		
Toluene	95		-		70-130	-		
Ethylbenzene	91		-		70-130	-		
p/m-Xylene	93		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG418232-9								
Chloromethane	107		-		70-130	-		
Bromomethane	100		-		70-130	-		
Vinyl chloride	101		-		70-130	-		
Chloroethane	102		-		70-130	-		
1,1-Dichloroethene	94		-		70-130	-		
trans-1,2-Dichloroethene	97		-		70-130	-		
cis-1,2-Dichloroethene	96		-		70-130	-		
Trichloroethene	92		-		70-130	-		
1,2-Dichlorobenzene	88		-		70-130	-		
1,3-Dichlorobenzene	90		-		70-130	-		
1,4-Dichlorobenzene	89		-		70-130	-		
Styrene	91		-		70-130	-		
o-Xylene	92		-		70-130	-		
1,1-Dichloropropene	93		-		70-130	-		
2,2-Dichloropropane	90		-		70-130	-		
1,1,1,2-Tetrachloroethane	87		-		70-130	-		
1,2,3-Trichloropropane	84		-		70-130	-		
Bromochloromethane	94		-		70-130	-		
n-Butylbenzene	91		-		70-130	-		
Dichlorodifluoromethane	96		-		70-130	-		
Hexachlorobutadiene	94		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG418232-9								
Isopropylbenzene	91		-		70-130	-		
p-Isopropyltoluene	91		-		70-130	-		
Naphthalene	70		-		70-130	-		
n-Propylbenzene	91		-		70-130	-		
sec-Butylbenzene	91		-		70-130	-		
tert-Butylbenzene	90		-		70-130	-		
1,2,3-Trichlorobenzene	79		-		70-130	-		
1,2,4-Trichlorobenzene	82		-		70-130	-		
1,2,4-Trimethylbenzene	90		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
Bromobenzene	90		-		70-130	-		
o-Chlorotoluene	94		-		70-130	-		
p-Chlorotoluene	89		-		70-130	-		
Dibromomethane	94		-		70-130	-		
1,2-Dibromoethane	88		-		70-130	-		
1,2-Dibromo-3-chloropropane	82		-		70-130	-		
1,3-Dichloropropane	92		-		70-130	-		
Methyl tert butyl ether	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG418232-9

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichlorobenzene-d4	96				80-120
4-Bromofluorobenzene	98				80-120

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG419849-5

Methylene chloride	99	-	1-221	-	30
1,1-Dichloroethane	102	-	59-155	-	30
Chloroform	104	-	51-138	-	30
Carbon tetrachloride	111	-	70-140	-	30
1,2-Dichloropropane	102	-	1-210	-	30
Dibromochloromethane	110	-	53-149	-	30
1,1,1,2-Trichloroethane	107	-	52-150	-	30
2-Chloroethylvinyl ether	104	-	1-305	-	30
Tetrachloroethene	116	-	64-148	-	30

Lab Control Sample Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG419849-5								
Chlorobenzene	114		-		37-160	-		30
Trichlorofluoromethane	88		-		17-181	-		30
1,2-Dichloroethane	97		-		49-155	-		30
1,1,1-Trichloroethane	103		-		52-162	-		30
Bromodichloromethane	113		-		35-155	-		30
trans-1,3-Dichloropropene	108		-		17-183	-		30
cis-1,3-Dichloropropene	107		-		1-227	-		30
Bromoform	114		-		45-169	-		30
1,1,2,2-Tetrachloroethane	108		-		46-157	-		30
Benzene	98		-		37-151	-		30
Toluene	106		-		47-150	-		30
Ethylbenzene	114		-		37-162	-		30
Chloromethane	105		-		1-273	-		30
Bromomethane	92		-		1-242	-		30
Vinyl chloride	87		-		1-251	-		30
Chloroethane	91		-		14-230	-		30
1,1-Dichloroethene	104		-		1-234	-		30
trans-1,2-Dichloroethene	110		-		54-156	-		30
cis-1,2-Dichloroethene	99		-		60-140	-		30
Trichloroethene	106		-		71-157	-		30
1,2-Dichlorobenzene	111		-		18-190	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG419849-5								
1,3-Dichlorobenzene	113		-		59-156	-		30
1,4-Dichlorobenzene	114		-		18-190	-		30
p/m-Xylene	110		-		40-160	-		30
o-Xylene	105		-		40-160	-		30
XYLENE (TOTAL)	109		-		40-160	-		30
Styrene	99		-		40-160	-		30
Acetone	89		-		40-160	-		30
Carbon disulfide	102		-		40-160	-		30
2-Butanone	90		-		40-160	-		30
Vinyl acetate	88		-		40-160	-		30
4-Methyl-2-pentanone	90		-		40-160	-		30
2-Hexanone	86		-		40-160	-		30
Acrolein	82		-		40-160	-		30
Acrylonitrile	84		-		40-160	-		30
Dibromomethane	95		-		70-130	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	99				80-120
Fluorobenzene	97				80-120
4-Bromofluorobenzene	106				80-120

Lab Control Sample Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG419849-7								
Methylene chloride	98		-		1-221	-		30
1,1-Dichloroethane	104		-		59-155	-		30
Chloroform	106		-		51-138	-		30
Carbon tetrachloride	110		-		70-140	-		30
1,2-Dichloropropane	104		-		1-210	-		30
Dibromochloromethane	107		-		53-149	-		30
1,1,2-Trichloroethane	106		-		52-150	-		30
2-Chloroethylvinyl ether	98		-		1-305	-		30
Tetrachloroethene	117		-		64-148	-		30
Chlorobenzene	113		-		37-160	-		30
Trichlorofluoromethane	88		-		17-181	-		30
1,2-Dichloroethane	99		-		49-155	-		30
1,1,1-Trichloroethane	104		-		52-162	-		30
Bromodichloromethane	112		-		35-155	-		30
trans-1,3-Dichloropropene	104		-		17-183	-		30
cis-1,3-Dichloropropene	102		-		1-227	-		30
Bromoform	108		-		45-169	-		30
1,1,2,2-Tetrachloroethane	107		-		46-157	-		30
Benzene	99		-		37-151	-		30
Toluene	105		-		47-150	-		30
Ethylbenzene	112		-		37-162	-		30

Lab Control Sample Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG419849-7								
Chloromethane	108		-		1-273	-		30
Bromomethane	93		-		1-242	-		30
Vinyl chloride	86		-		1-251	-		30
Chloroethane	91		-		14-230	-		30
1,1-Dichloroethene	100		-		1-234	-		30
trans-1,2-Dichloroethene	112		-		54-156	-		30
cis-1,2-Dichloroethene	102		-		60-140	-		30
Trichloroethene	107		-		71-157	-		30
1,2-Dichlorobenzene	114		-		18-190	-		30
1,3-Dichlorobenzene	114		-		59-156	-		30
1,4-Dichlorobenzene	114		-		18-190	-		30
p/m-Xylene	110		-		40-160	-		30
o-Xylene	107		-		40-160	-		30
XYLENE (TOTAL)	109		-		40-160	-		30
Styrene	98		-		40-160	-		30
Acetone	80		-		40-160	-		30
Carbon disulfide	100		-		40-160	-		30
2-Butanone	90		-		40-160	-		30
Vinyl acetate	87		-		40-160	-		30
4-Methyl-2-pentanone	91		-		40-160	-		30
2-Hexanone	85		-		40-160	-		30

Lab Control Sample Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG419849-7								
Acrolein	80		-		40-160	-		30
Acrylonitrile	94		-		40-160	-		30
Dibromomethane	94		-		70-130	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	103				80-120
Fluorobenzene	98				80-120
4-Bromofluorobenzene	106				80-120

Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG420253-2

1,2-Dibromoethane	122		-		70-130	-		20
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Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG
Project Number: 11-1226.00

Lab Number: L1009583
Report Date: 07/02/10

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): 02 QC Batch ID: WG418232-3 QC Sample: L1008949-01 Client ID: MS Sample												
Methylene chloride	ND	4	4.6	115		-	-		70-130	-		20
1,1-Dichloroethane	ND	4	4.6	115		-	-		70-130	-		20
Chloroform	ND	4	4.4	111		-	-		70-130	-		20
Carbon tetrachloride	ND	4	4.2	105		-	-		70-130	-		20
1,2-Dichloropropane	ND	4	4.7	117		-	-		70-130	-		20
Dibromochloromethane	ND	4	4.1	102		-	-		70-130	-		20
1,1,2-Trichloroethane	ND	4	4.6	116		-	-		70-130	-		20
Tetrachloroethene	ND	4	4.8	120		-	-		70-130	-		20
Chlorobenzene	ND	4	4.3	108		-	-		70-130	-		20
Trichlorofluoromethane	ND	4	4.5	113		-	-		70-130	-		20
1,2-Dichloroethane	ND	4	4.2	105		-	-		70-130	-		20
1,1,1-Trichloroethane	ND	4	4.3	108		-	-		70-130	-		20
Bromodichloromethane	ND	4	3.9	99		-	-		70-130	-		20
trans-1,3-Dichloropropene	ND	4	3.3	82		-	-		70-130	-		20
cis-1,3-Dichloropropene	ND	4	4.3	109		-	-		70-130	-		20
Bromoform	ND	4	3.4	85		-	-		70-130	-		20
1,1,2,2-Tetrachloroethane	ND	4	4.1	102		-	-		70-130	-		20
Benzene	ND	4	4.6	115		-	-		70-130	-		20
Toluene	ND	4	4.6	116		-	-		70-130	-		20
Ethylbenzene	ND	4	4.0	100		-	-		70-130	-		20
p/m-Xylene	ND	8	8.1	102		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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): 02 QC Batch ID: WG418232-3 QC Sample: L1008949-01 Client ID: MS Sample												
Chloromethane	ND	4	4.2	105		-	-		70-130	-		20
Bromomethane	ND	4	4.8	120		-	-		70-130	-		20
Vinyl chloride	ND	4	6.0	149	Q	-	-		70-130	-		20
Chloroethane	ND	4	5.0	126		-	-		70-130	-		20
1,1-Dichloroethene	ND	4	4.7	118		-	-		70-130	-		20
trans-1,2-Dichloroethene	ND	4	4.6	115		-	-		70-130	-		20
cis-1,2-Dichloroethene	ND	4	4.7	117		-	-		70-130	-		20
Trichloroethene	ND	4	4.4	111		-	-		70-130	-		20
1,2-Dichlorobenzene	ND	4	3.8	96		-	-		70-130	-		20
1,3-Dichlorobenzene	ND	4	3.8	95		-	-		70-130	-		20
1,4-Dichlorobenzene	ND	4	3.7	93		-	-		70-130	-		20
Styrene	ND	4	3.7	92		-	-		70-130	-		20
o-Xylene	ND	4	4.0	101		-	-		70-130	-		20
1,1-Dichloropropene	ND	4	4.7	117		-	-		70-130	-		20
2,2-Dichloropropane	ND	4	3.6	89		-	-		70-130	-		20
1,1,1,2-Tetrachloroethane	ND	4	3.9	97		-	-		70-130	-		20
1,2,3-Trichloropropane	ND	4	4.0	100		-	-		70-130	-		20
Bromochloromethane	ND	4	4.5	113		-	-		70-130	-		20
n-Butylbenzene	ND	4	3.9	97		-	-		70-130	-		20
Dichlorodifluoromethane	ND	4	4.1	103		-	-		70-130	-		20
Hexachlorobutadiene	ND	4	3.8	95		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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): 02 QC Batch ID: WG418232-3 QC Sample: L1008949-01 Client ID: MS Sample												
Isopropylbenzene	ND	4	3.5	88		-	-		70-130	-		20
p-Isopropyltoluene	ND	4	3.9	97		-	-		70-130	-		20
Naphthalene	ND	4	3.1	76		-	-		70-130	-		20
n-Propylbenzene	ND	4	4.0	101		-	-		70-130	-		20
sec-Butylbenzene	ND	4	4.0	100		-	-		70-130	-		20
tert-Butylbenzene	ND	4	4.0	101		-	-		70-130	-		20
1,2,3-Trichlorobenzene	ND	4	3.4	84		-	-		70-130	-		20
1,2,4-Trichlorobenzene	ND	4	3.3	84		-	-		70-130	-		20
1,2,4-Trimethylbenzene	ND	4	4.0	101		-	-		70-130	-		20
1,3,5-Trimethylbenzene	ND	4	4.0	100		-	-		70-130	-		20
Bromobenzene	ND	4	3.9	98		-	-		70-130	-		20
o-Chlorotoluene	ND	4	4.2	104		-	-		70-130	-		20
p-Chlorotoluene	ND	4	3.8	96		-	-		70-130	-		20
Dibromomethane	ND	4	4.4	111		-	-		70-130	-		20
1,2-Dibromoethane	ND	4	3.8	95		-	-		70-130	-		20
1,2-Dibromo-3-chloropropane	ND	4	3.2	79		-	-		70-130	-		20
1,3-Dichloropropane	ND	4	4.5	113		-	-		70-130	-		20
Methyl tert butyl ether	ND	4	4.3	108		-	-		70-130	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG418232-3 QC Sample: L1008949-01 Client ID: MS Sample

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	101				80-120
4-Bromofluorobenzene	97				80-120

Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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 QC Batch ID: WG419849-3 QC Sample: L1009513-01 Client ID: MS Sample												
Methylene chloride	ND	20	16	80		-	-		1-221	-		30
1,1-Dichloroethane	ND	20	17	87		-	-		59-155	-		30
Chloroform	ND	20	20	98		-	-		51-138	-		30
Carbon tetrachloride	ND	20	21	107		-	-		70-140	-		30
1,2-Dichloropropane	ND	20	19	94		-	-		1-210	-		30
Dibromochloromethane	ND	20	19	96		-	-		53-149	-		30
1,1,2-Trichloroethane	ND	20	18	92		-	-		52-150	-		30
2-Chloroethylvinyl ether	ND	20	16	83		-	-		1-305	-		30
Tetrachloroethene	ND	20	20	102		-	-		64-148	-		30
Chlorobenzene	ND	20	20	100		-	-		37-160	-		30
Trichlorofluoromethane	ND	20	17	84		-	-		17-181	-		30
1,2-Dichloroethane	ND	20	18	91		-	-		49-155	-		30
1,1,1-Trichloroethane	ND	20	20	100		-	-		52-162	-		30
Bromodichloromethane	ND	20	20	100		-	-		35-155	-		30
trans-1,3-Dichloropropene	ND	20	19	93		-	-		17-183	-		30
cis-1,3-Dichloropropene	ND	20	18	92		-	-		1-227	-		30
Bromoform	ND	20	19	94		-	-		45-169	-		30
1,1,2,2-Tetrachloroethane	ND	20	19	95		-	-		46-157	-		30
Benzene	ND	20	18	92		-	-		35-151	-		30
Toluene	ND	20	19	95		-	-		47-150	-		30
Ethylbenzene	ND	20	20	102		-	-		37-162	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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 QC Batch ID: WG419849-3 QC Sample: L1009513-01 Client ID: MS Sample												
Chloromethane	ND	20	20	102		-	-		1-273	-		30
Bromomethane	ND	20	18	90		-	-		1-242	-		30
Vinyl chloride	ND	20	16	82		-	-		1-251	-		30
Chloroethane	ND	20	17	86		-	-		14-230	-		30
1,1-Dichloroethene	ND	20	18	88		-	-		1-234	-		30
trans-1,2-Dichloroethene	ND	20	23	116		-	-		54-156	-		30
cis-1,2-Dichloroethene	ND	20	18	89		-	-		60-140	-		30
Trichloroethene	ND	20	19	96		-	-		71-157	-		30
1,2-Dichlorobenzene	ND	20	20	98		-	-		18-190	-		30
1,3-Dichlorobenzene	ND	20	20	99		-	-		59-156	-		30
1,4-Dichlorobenzene	ND	20	19	97		-	-		18-190	-		30
p/m-Xylene	ND	40	39	97		-	-		40-160	-		30
o-Xylene	ND	20	19	96		-	-		40-160	-		30
XYLENE (TOTAL)	ND	60	58	97		-	-		40-160	-		30
Styrene	ND	20	17	86		-	-		40-160	-		30
Acetone	ND	50	38	76		-	-		40-160	-		30
Carbon disulfide	ND	20	17	84		-	-		40-160	-		30
2-Butanone	ND	50	37	75		-	-		40-160	-		30
Vinyl acetate	ND	40	30	75		-	-		40-160	-		30
4-Methyl-2-pentanone	ND	50	37	74		-	-		40-160	-		30
2-Hexanone	ND	50	36	73		-	-		40-160	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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 QC Batch ID: WG419849-3 QC Sample: L1009513-01 Client ID: MS Sample												
Acrolein	ND	40	18	46		-	-		40-160	-		30
Acrylonitrile	ND	40	24	60		-	-		40-160	-		30
Dibromomethane	ND	20	16	78		-	-			-		30

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
4-Bromofluorobenzene	106				80-120
Fluorobenzene	102				80-120
Pentafluorobenzene	101				80-120

Pesticides by GC - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG420253-3 QC Sample: L1009322-01 Client ID: MS Sample												
1,2-Dibromoethane	ND	0.241	0.294	122		-	-		70-130	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG418232-4 QC Sample: L1008949-02 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		20
1,1-Dichloroethane	ND	ND	ug/l	NC		20
Chloroform	ND	ND	ug/l	NC		20
Carbon tetrachloride	ND	ND	ug/l	NC		20
1,2-Dichloropropane	ND	ND	ug/l	NC		20
Dibromochloromethane	ND	ND	ug/l	NC		20
1,1,2-Trichloroethane	ND	ND	ug/l	NC		20
Tetrachloroethene	ND	ND	ug/l	NC		20
Chlorobenzene	ND	ND	ug/l	NC		20
Trichlorofluoromethane	ND	ND	ug/l	NC		20
1,2-Dichloroethane	ND	ND	ug/l	NC		20
1,1,1-Trichloroethane	ND	ND	ug/l	NC		20
Bromodichloromethane	ND	ND	ug/l	NC		20
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		20
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		20
Bromoform	ND	ND	ug/l	NC		20
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		20
Benzene	ND	ND	ug/l	NC		20
Toluene	ND	ND	ug/l	NC		20

Lab Duplicate Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG418232-4 QC Sample: L1008949-02 Client ID: DUP Sample					
Ethylbenzene	ND	ND	ug/l	NC	20
p/m-Xylene	ND	ND	ug/l	NC	20
Chloromethane	ND	ND	ug/l	NC	20
Bromomethane	ND	ND	ug/l	NC	20
Vinyl chloride	ND	ND	ug/l	NC	20
Chloroethane	ND	ND	ug/l	NC	20
1,1-Dichloroethene	ND	ND	ug/l	NC	20
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	20
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	20
Trichloroethene	ND	ND	ug/l	NC	20
1,2-Dichlorobenzene	ND	ND	ug/l	NC	20
1,3-Dichlorobenzene	ND	ND	ug/l	NC	20
1,4-Dichlorobenzene	ND	ND	ug/l	NC	20
Styrene	ND	ND	ug/l	NC	20
o-Xylene	ND	ND	ug/l	NC	20
1,1-Dichloropropene	ND	ND	ug/l	NC	20
2,2-Dichloropropane	ND	ND	ug/l	NC	20
1,1,1,2-Tetrachloroethane	ND	ND	ug/l	NC	20
1,2,3-Trichloropropane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG418232-4 QC Sample: L1008949-02 Client ID: DUP Sample					
Bromochloromethane	ND	ND	ug/l	NC	20
n-Butylbenzene	ND	ND	ug/l	NC	20
Dichlorodifluoromethane	ND	ND	ug/l	NC	20
Hexachlorobutadiene	ND	ND	ug/l	NC	20
Isopropylbenzene	ND	ND	ug/l	NC	20
p-Isopropyltoluene	ND	ND	ug/l	NC	20
Naphthalene	ND	ND	ug/l	NC	20
n-Propylbenzene	ND	ND	ug/l	NC	20
sec-Butylbenzene	ND	ND	ug/l	NC	20
tert-Butylbenzene	ND	ND	ug/l	NC	20
1,2,3-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trichlorobenzene	ND	ND	ug/l	NC	20
1,2,4-Trimethylbenzene	ND	ND	ug/l	NC	20
1,3,5-Trimethylbenzene	ND	ND	ug/l	NC	20
Bromobenzene	ND	ND	ug/l	NC	20
o-Chlorotoluene	ND	ND	ug/l	NC	20
p-Chlorotoluene	ND	ND	ug/l	NC	20
Dibromomethane	ND	ND	ug/l	NC	20
1,2-Dibromoethane	ND	ND	ug/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 QC Batch ID: WG418232-4 QC Sample: L1008949-02 Client ID: DUP Sample					
1,2-Dibromo-3-chloropropane	ND	ND	ug/l	NC	20
1,3-Dichloropropane	ND	ND	ug/l	NC	20
Methyl tert butyl ether	ND	ND	ug/l	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichlorobenzene-d4	103		104		80-120
4-Bromofluorobenzene	95		93		80-120

Lab Duplicate Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG419849-4 QC Sample: L1009513-01 Client ID: DUP Sample					
Methylene chloride	ND	ND	ug/l	NC	30
1,1-Dichloroethane	ND	ND	ug/l	NC	30
Chloroform	ND	ND	ug/l	NC	30
Carbon tetrachloride	ND	ND	ug/l	NC	30
1,2-Dichloropropane	ND	ND	ug/l	NC	30
Dibromochloromethane	ND	ND	ug/l	NC	30
1,1,2-Trichloroethane	ND	ND	ug/l	NC	30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC	30
Tetrachloroethene	ND	ND	ug/l	NC	30
Chlorobenzene	ND	ND	ug/l	NC	30
Trichlorofluoromethane	ND	ND	ug/l	NC	30
1,2-Dichloroethane	ND	ND	ug/l	NC	30
1,1,1-Trichloroethane	ND	ND	ug/l	NC	30
Bromodichloromethane	ND	ND	ug/l	NC	30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	30
Bromoform	ND	ND	ug/l	NC	30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	30
Benzene	ND	ND	ug/l	NC	30

Lab Duplicate Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG419849-4 QC Sample: L1009513-01 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	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
Styrene	ND	ND	ug/l	NC	30
Acetone	ND	ND	ug/l	NC	30
Carbon disulfide	ND	ND	ug/l	NC	30

Lab Duplicate Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG419849-4 QC Sample: L1009513-01 Client ID: DUP Sample					
2-Butanone	ND	ND	ug/l	NC	30
Vinyl acetate	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone	ND	ND	ug/l	NC	30
2-Hexanone	ND	ND	ug/l	NC	30
Acrolein	ND	ND	ug/l	NC	30
Acrylonitrile	ND	ND	ug/l	NC	30
Dibromomethane	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	102		101		80-120
Fluorobenzene	105		102		80-120
4-Bromofluorobenzene	110		105		80-120

SEMIVOLATILES

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS**

Lab ID: L1009583-01
Client ID: INFLUENT
Sample Location: 102-104 TRAPELO RD.
Matrix: Water
Analytical Method: 1,8270C
Analytical Date: 07/02/10 05:05
Analyst: PS

Date Collected: 06/25/10 08:10
Date Received: 06/25/10
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/29/10 04:43

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

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

SAMPLE RESULTS

Lab ID: L1009583-01

Date Collected: 06/25/10 08:10

Client ID: INFLUENT

Date Received: 06/25/10

Sample Location: 102-104 TRAPELO RD.

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
n-Nitrosodimethylamine	ND		ug/l	50	--	1
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	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	83		33-120

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS**

Lab ID: L1009583-01
Client ID: INFLUENT
Sample Location: 102-104 TRAPELO RD.
Matrix: Water
Analytical Method: 1,8270C-SIM
Analytical Date: 06/30/10 14:09
Analyst: AS

Date Collected: 06/25/10 08:10
Date Received: 06/25/10
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/29/10 04:50

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: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

SAMPLE RESULTS

Lab ID: L1009583-01

Date Collected: 06/25/10 08:10

Client ID: INFLUENT

Date Received: 06/25/10

Sample Location: 102-104 TRAPELO RD.

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	49		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	66		33-120

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 07/01/10 10:40
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 06/29/10 04:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG420352-1					
Benzidine	ND		ug/l	50	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	5.0	--
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	--
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	--
Hexachlorocyclopentadiene	ND		ug/l	30	--
Isophorone	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	--
Aniline	ND		ug/l	20	--
4-Chloroaniline	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	--
n-Nitrosodimethylamine	ND		ug/l	50	--

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C
 Analytical Date: 07/01/10 10:40
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 06/29/10 04:43

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG420352-1					
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	--
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	37		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	85		33-120

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C-SIM
 Analytical Date: 06/30/10 11:19
 Analyst: AS

Extraction Method: EPA 3510C
 Extraction Date: 06/29/10 04:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG420353-1					
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: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270C-SIM
 Analytical Date: 06/30/10 11:19
 Analyst: AS

Extraction Method: EPA 3510C
 Extraction Date: 06/29/10 04:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG420353-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	20		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	66		33-120

Lab Control Sample Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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: WG420352-2 WG420352-3								
1,2,4-Trichlorobenzene	47		49		39-98	4		30
1,2-Dichlorobenzene	53		55		40-140	4		30
1,4-Dichlorobenzene	51		53		36-97	4		30
2,4-Dinitrotoluene	83		81		24-96	2		30
2,6-Dinitrotoluene	79		76		40-140	4		30
4-Chlorophenyl phenyl ether	72		69		40-140	4		30
n-Nitrosodi-n-propylamine	81		78		41-116	4		30
Butyl benzyl phthalate	83		79		40-140	5		30
P-Chloro-M-Cresol	79		77		23-97	3		30
2-Chlorophenol	70		68		27-123	3		30
2-Nitrophenol	81		77		30-130	5		30
4-Nitrophenol	36		37		10-80	3		30
2,4-Dinitrophenol	58		56		20-130	4		30
Phenol	27		29		12-110	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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: WG420352-2 WG420352-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		44		21-120
Phenol-d6	30		30		10-120
Nitrobenzene-d5	85		80		23-120
2-Fluorobiphenyl	76		71		15-120
2,4,6-Tribromophenol	81		77		10-120
4-Terphenyl-d14	87		79		33-120

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG420353-2 WG420353-3

Acenaphthene	72		72		37-111	0	40
2-Chloronaphthalene	97		94		40-140	3	40
Fluoranthene	85		82		40-140	4	40
Anthracene	101		99		40-140	2	40
Pyrene	80		77		26-127	4	40
Pentachlorophenol	65		69		9-103	6	40

Lab Control Sample Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG420353-2 WG420353-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		44		21-120
Phenol-d6	39		30		10-120
Nitrobenzene-d5	78		71		23-120
2-Fluorobiphenyl	73		70		15-120
2,4,6-Tribromophenol	74		73		10-120
4-Terphenyl-d14	81		71		33-120

PCBS

Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**SAMPLE RESULTS**

Lab ID: L1009583-01
Client ID: INFLUENT
Sample Location: 102-104 TRAPELO RD.
Matrix: Water
Analytical Method: 5,608
Analytical Date: 06/30/10 10:55
Analyst: SH

Date Collected: 06/25/10 08:10
Date Received: 06/25/10
Field Prep: Not Specified
Extraction Method: EPA 608
Extraction Date: 06/27/10 21:59
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/28/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/28/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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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	75		30-150	A
Decachlorobiphenyl	94		30-150	A

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

Method Blank Analysis Batch Quality Control

Analytical Method: 5,608
 Analytical Date: 06/30/10 09:28
 Analyst: SH

Extraction Method: EPA 608
 Extraction Date: 06/27/10 21:59
 Cleanup Method1: EPA 3665A
 Cleanup Date1: 06/28/10
 Cleanup Method2: EPA 3660B
 Cleanup Date2: 06/28/10

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG420109-1					
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	71		30-150	A
Decachlorobiphenyl	102		30-150	A

Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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: WG420109-3 QC Sample: L1009621-03 Client ID: MS Sample												
Aroclor 1016	ND	2	1.27	64		-	-		40-126	-		30
Aroclor 1260	ND	2	1.13	56		-	-		40-127	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39				30-150	A
Decachlorobiphenyl	33				30-150	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** TOPS/CST BLDG**Project Number:** 11-1226.00**Lab Number:** L1009583**Report Date:** 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG420109-2								
Aroclor 1016	119		-		40-126	-		30
Aroclor 1260	126		-		40-127	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97				30-150	A
Decachlorobiphenyl	122				30-150	A

Lab Duplicate Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420109-4 QC Sample: L1009621-03 Client ID: DUP Sample						
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	73		54		30-150	A
Decachlorobiphenyl	56		47		30-150	A

METALS

Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

SAMPLE RESULTS

Lab ID: L1009583-01

Date Collected: 06/25/10 08:10

Client ID: INFLUENT

Date Received: 06/25/10

Sample Location: 102-104 TRAPELO RD.

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											
Antimony, Total	ND		mg/l	0.0020	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Arsenic, Total	ND		mg/l	0.0020	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Cadmium, Total	ND		mg/l	0.0008	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Chromium, Total	ND		mg/l	0.0020	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Copper, Total	0.0032		mg/l	0.0020	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Iron, Total	ND		mg/l	0.05	--	1	06/28/10 11:30	06/29/10 09:55	EPA 3005A	19,200.7	AI
Lead, Total	ND		mg/l	0.0020	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Mercury, Total	ND		mg/l	0.0002	--	1	07/01/10 18:15	07/02/10 12:33	EPA 245.1	3,245.1	TD
Nickel, Total	0.0068		mg/l	0.0020	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Selenium, Total	ND		mg/l	0.004	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Silver, Total	ND		mg/l	0.0016	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM
Zinc, Total	0.0208		mg/l	0.0200	--	4	06/28/10 12:30	06/29/10 23:26	EPA 3005A	1,6020	BM



Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

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: WG420220-1									
Iron, Total	ND	mg/l	0.05	--	1	06/28/10 11:30	06/29/10 09:26	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: WG420234-1									
Antimony, Total	ND	mg/l	0.0005	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Arsenic, Total	ND	mg/l	0.0005	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Cadmium, Total	ND	mg/l	0.0002	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Chromium, Total	ND	mg/l	0.0005	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Copper, Total	ND	mg/l	0.0005	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Lead, Total	ND	mg/l	0.0005	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Nickel, Total	ND	mg/l	0.0005	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Selenium, Total	ND	mg/l	0.001	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Silver, Total	ND	mg/l	0.0004	--	1	06/28/10 12:30	06/29/10 16:57	1,6020	BM
Zinc, Total	ND	mg/l	0.0050	--	1	06/28/10 12:30	06/29/10 16:57	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: WG420928-1									
Mercury, Total	ND	mg/l	0.0002	--	1	07/01/10 18:15	07/02/10 12:11	3,245.1	TD

Prep Information

Digestion Method: EPA 245.1



Lab Control Sample Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG420220-2								
Iron, Total	98		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG420234-2								
Antimony, Total	94		-		80-120	-		
Arsenic, Total	96		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Chromium, Total	93		-		80-120	-		
Copper, Total	101		-		80-120	-		
Lead, Total	100		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	93		-		80-120	-		
Zinc, Total	107		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG420928-2								
Mercury, Total	109		-		85-115	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: TOPS/CST BLDG
Project Number: 11-1226.00

Lab Number: L1009583
Report Date: 07/02/10

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: WG420220-4 QC Sample: L1009621-03 Client ID: MS Sample												
Iron, Total	0.14	1	1.0	86		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420234-4 QC Sample: L1009633-03 Client ID: MS Sample												
Antimony, Total	ND	0.5	0.5398	108		-	-		80-120	-		20
Arsenic, Total	0.0025	0.12	0.1451	121	Q	-	-		80-120	-		20
Cadmium, Total	0.0029	0.051	0.0633	118		-	-		80-120	-		20
Chromium, Total	ND	0.2	0.2104	105		-	-		80-120	-		20
Copper, Total	ND	0.25	0.2751	110		-	-		80-120	-		20
Lead, Total	ND	0.51	0.5938	116		-	-		80-120	-		20
Nickel, Total	0.0122	0.5	0.5549	108		-	-		80-120	-		20
Selenium, Total	ND	0.12	0.140	117		-	-		80-120	-		20
Silver, Total	ND	0.05	0.0504	101		-	-		80-120	-		20
Zinc, Total	0.0414	0.5	0.6265	117		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420928-4 QC Sample: L1009265-01 Client ID: MS Sample												
Mercury, Total	0.0002	0.001	0.0013	112		-	-		70-130	-		20

Lab Duplicate Analysis Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420220-3 QC Sample: L1009621-03 Client ID: DUP Sample						
Iron, Total	0.14	0.14	mg/l	0		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420234-3 QC Sample: L1009633-03 Client ID: DUP Sample						
Lead, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420928-3 QC Sample: L1009265-01 Client ID: DUP Sample						
Mercury, Total	0.0002	0.0002	mg/l	4		20

INORGANICS & MISCELLANEOUS

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

SAMPLE RESULTS

Lab ID: L1009583-01

Client ID: INFLUENT

Sample Location: 102-104 TRAPELO RD.

Matrix: Water

Date Collected: 06/25/10 08:10

Date Received: 06/25/10

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	-	06/29/10 13:55	30,2540D	DW
Cyanide, Total	0.012		mg/l	0.005	--	1	06/28/10 17:15	06/29/10 15:30	30,4500CN-CE	JO
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	06/26/10 01:20	30,4500CL-D	AT
TPH	ND		mg/l	4.00	--	1	06/29/10 17:30	07/02/10 16:30	74,1664A	JO
Phenolics, Total	ND		mg/l	0.03	--	1	-	06/29/10 16:28	4,420.1	TH
Chromium, Hexavalent	ND		mg/l	0.010	--	1	06/25/10 23:00	06/25/10 23:00	30,3500CR-D	DD



Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

SAMPLE RESULTS

Lab ID: L1009583-02
 Client ID: EFFLUENT
 Sample Location: 102-104 TRAPELO RD.
 Matrix: Water

Date Collected: 06/25/10 08:00
 Date Received: 06/25/10
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	06/28/10 17:15	06/29/10 15:31	30,4500CN-CE	JO
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	06/26/10 01:20	30,4500CL-D	AT
pH (H)	6.3		SU	-	NA	1	-	06/25/10 23:55	30,4500H+-B	DD



Project Name: TOPS/CST BLDG

Lab Number: L1009583

Project Number: 11-1226.00

Report Date: 07/02/10

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: WG420021-2										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	06/25/10 23:00	06/25/10 23:00	30,3500CR-D	DD
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG420028-2										
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	06/26/10 01:20	30,4500CL-D	AT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG420270-1										
Cyanide, Total	ND		mg/l	0.005	--	1	06/28/10 17:15	06/29/10 15:35	30,4500CN-CE	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG420363-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	06/29/10 13:55	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG420481-1										
Phenolics, Total	ND		mg/l	0.03	--	1	-	06/29/10 16:14	4,420.1	TH
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG420493-2										
TPH	ND		mg/l	4.00	--	1	06/29/10 17:30	07/02/10 16:30	74,1664A	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG420021-1								
Chromium, Hexavalent	100		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG420027-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG420028-1								
Chlorine, Total Residual	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG420270-2								
Cyanide, Total	108		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG420481-2								
Phenolics, Total	100		-		82-111	-		12
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG420493-1								
TPH	80		-		64-132	-		34

Matrix Spike Analysis

Batch Quality Control

Project Name: TOPS/CST BLDG
Project Number: 11-1226.00

Lab Number: L1009583
Report Date: 07/02/10

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: WG420021-3 QC Sample: L1009583-01 Client ID: INFLUENT												
Chromium, Hexavalent	ND	0.1	0.104	104		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG420270-4 QC Sample: L1009583-02 Client ID: EFFLUENT												
Cyanide, Total	ND	0.2	0.222	111	Q	-	-		90-110	-		30
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420481-3 QC Sample: L1009391-04 Client ID: MS Sample												
Phenolics, Total	ND	0.8	0.82	102		-	-		77-124	-		12
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420493-3 QC Sample: L1009883-03 Client ID: MS Sample												
TPH	ND	20.6	17.1	83		-	-		64-132	-		34

Project Name: TOPS/CST BLDG
Project Number: 11-1226.00

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1009583
Report Date: 07/02/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420021-4 QC Sample: L1009583-01 Client ID: INFLUENT						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG420027-2 QC Sample: L1009569-02 Client ID: DUP Sample						
pH (H)	6.9	6.9	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG420028-3 QC Sample: L1009583-02 Client ID: EFFLUENT						
Chlorine, Total Residual	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG420270-3 QC Sample: L1009583-02 Client ID: EFFLUENT						
Cyanide, Total	ND	ND	mg/l	NC		30
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420363-2 QC Sample: L1009579-01 Client ID: DUP Sample						
Solids, Total Suspended	75	76	mg/l	1		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420481-4 QC Sample: L1009391-03 Client ID: DUP Sample						
Phenolics, Total	0.05	0.05	mg/l	0		12
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420493-4 QC Sample: L1009583-01 Client ID: INFLUENT						
TPH	ND	ND	mg/l	NC		34

Project Name: TOPS/CST BLDG

Project Number: 11-1226.00

Lab Number: L1009583

Report Date: 07/02/10

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

B Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1009583-01A	Vial Na2S2O3 preserved	B	N/A	3.2	Y	Absent	624(7)
L1009583-01B	Vial Na2S2O3 preserved	B	N/A	3.2	Y	Absent	624(7)
L1009583-01C	Vial Na2S2O3 preserved	B	N/A	3.2	Y	Absent	504(14)
L1009583-01D	Vial Na2S2O3 preserved	B	N/A	3.2	Y	Absent	504(14)
L1009583-01E	Plastic 250ml NaOH preserved	B	>12	3.2	Y	Absent	TCN-4500(14)
L1009583-01F	Plastic 500ml HNO3 preserved	B	<2	3.2	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)
L1009583-01G	Plastic 1000ml unpreserved	B	6	3.2	Y	Absent	TSS-2540(7)
L1009583-01H	Plastic 1000ml unpreserved	B	6	3.2	Y	Absent	HEXCR-3500(1),TRC-4500(1)
L1009583-01I	Amber 1000ml H2SO4 preserved	B	<2	3.2	Y	Absent	TPHENOL-420(28)
L1009583-01J	Amber 1000ml HCl preserved	B	<2	3.2	Y	Absent	TPH-1664(28)
L1009583-01K	Amber 1000ml HCl preserved	B	<2	3.2	Y	Absent	TPH-1664(28)
L1009583-01L	Amber 1000ml unpreserved	B	6	3.2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1009583-01M	Amber 1000ml unpreserved	B	6	3.2	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1009583-01N	Amber 1000ml unpreserved	B	6	3.2	Y	Absent	PCB-608(7)
L1009583-01O	Amber 1000ml unpreserved	B	6	3.2	Y	Absent	PCB-608(7)
L1009583-02A	Vial Ascorbic Acid/HCl preserved	A	N/A	4.1	Y	Absent	524.2(14)
L1009583-02B	Vial Ascorbic Acid/HCl preserved	A	N/A	4.1	Y	Absent	524.2(14)
L1009583-02C	Vial Na2S2O3 preserved	A	N/A	4.1	Y	Absent	504(14)
L1009583-02D	Vial Na2S2O3 preserved	A	N/A	4.1	Y	Absent	504(14)
L1009583-02E	Plastic 250ml NaOH preserved	A	>12	4.1	Y	Absent	TCN-4500(14)
L1009583-02F	Plastic 1000ml unpreserved	A	6	4.1	Y	Absent	TRC-4500(1),PH-4500(.01)

*Values in parentheses indicate holding time in days



Project Name: TOPS/CST BLDG**Project Number:** 11-1226.00**Lab Number:** L1009583**Report Date:** 07/02/10**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
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Container Comments

L1009583-01N

*Values in parentheses indicate holding time in days

Project Name: TOPS/CST BLDG
Project Number: 11-1226.00

Lab Number: L1009583
Report Date: 07/02/10

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

Report Format: Data Usability Report



Project Name: TOPS/CST BLDG**Lab Number:** L1009583**Project Number:** 11-1226.00**Report Date:** 07/02/10**Data Qualifiers****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: TOPS/CST BLDG
Project Number: 11-1226.00

Lab Number: L1009583
Report Date: 07/02/10

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.
- 16 Methods for the Determination of Organic Compounds in Drinking Water - Supplement II. EPA/600/R-92/129, August 1992.
- 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 June 17, 2010 - 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: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium 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, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, 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), Reactivity. Organic Parameters: PCBs, 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, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 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.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

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)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 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), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; 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,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 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-B,C-Titr, 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, 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

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

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO₃-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 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, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH₃-H, 4500NH₃-E, 4500NO₂-B, 4500P-E, 4500-S₂-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

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

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO₃-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, 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, SM4500P-B₅+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH₃-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

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 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO₃-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH₃-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-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, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 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.**

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

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 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 NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commission 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.

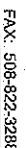
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, 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.



Other Project Specific Requirements/Comments/Detection Limits:

MA MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

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

- Lab to do

(Please specify below)

XXXX

FORM NO: 01-01 {rev. 14-OCT-07}

Date/Time	Remarks
6/25/10 13:10	
6/25/10 15	

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 Terms and Conditions. See reverse side.

B. Suggested Form for the Consolidated General Permit Notice of Change (NOC)

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

a) Name of facility/site:		Facility/site address:			
Common Street Trust Property					
Location of facility/site:		Street: 102 - 104 Trapelo Road			
longitude: -71.174938	Facility SIC code(s): 5812, 5531	Town: Belmont		State: MA	Zip: 02478
latitude: 42.380484					
b) NPDES authorization number assigned by EPA: MAG910403					
c) Name of facility/site owner: Jenkins-Starr, LLC - Christopher Starr; Managing Partner					
Owner is (check one): 1. Federal ☐ 2. State/Tribal ☐		Telephone no. of facility/site owner: (978) 263-1086			
3. Private ☒ 4. other ☐ , if so, describe:		Fax no. of facility/site owner:			
		Email address of facility/site owner: chrisstarr123@gmail.com			
Address of owner:		City/Town: Acton			
Street:		State: MA		Zip: 01720	County: Middlesex
6 Littlefield Road					

d) Legal name of operator :		Operator telephone no: (781) 982-5400	
Contractor: Coler & Colantonio, Inc.		Operator fax no.: (781) 982-5486	
		Operator email address: rburns@col-col.com	
		Operator contact name and title: Ronald K. Burns, LSP (Division Manager - Environmental Services)	
Address of operator (if different from owner):		Street: 101 Accord Park Drive	
Town: Norwell		State: MA	Zip: 02061 County: Plymouth

2. Type of changes:

Please check all that apply:	Eligible changes for use of NOC:
☒	1. Request for a reduction in monitoring requirements based on sampling and analytical data. Written approval by EPA is required.
☒	a) For a reduction in influent monitoring frequency, the permittee must provide 6-12 consecutive months of influent monitoring data.
☒	b) For a reduction in effluent monitoring frequency of an applicable parameter, the permittee must provide 12- 24 consecutive months of data demonstrating compliance with the parameter limits, the minimum level (ML) (see Part I.D.1.d), or demonstrating no toxicity (where whole effluent toxicity testing (WET) is required).
☐	2. A change in flow conditions which may increase or decrease the daily average or maximum flow rate by more than twenty-five (25) percent, provided the design flow capacity of the treatment system is not exceeded and the dilution factor will not change to a value greater than five (5), where the discharge contains metals.

Please check all that apply:	Eligible changes for use of NOC:
☐	3. A change in treatment which:
☐	a) affects the design flow of the system but does not change the dilution factor to a value greater than five (5), where the discharge contains metals.
☐	b) adds or removes any major operable unit of the system
☐	4. The use of chemical treatment additives that will not add any pollutants which may cause a violation of receiving water standards or cause the overall effluent to violate effluent limitations. Attach the material safety data sheets (MSDS) and prior approval from the Director.
☐	5. Change of discharge location within the same receiving water as submitted in the NOI.
	6. Temporary cessation of discharge greater than 120 days. Describe (using additional sheets as needed):
☐	a) reasons for the interruption or cessation of discharge
	b) estimated time frame when the discharge will cease and be re-started:
	c) how "start-up" monitoring will resume when the discharge is re-started:
☐	7. Change in pH range in MA:
	8. Change to administrative information.
☐	Change in ownership? Y ☐ N ☐
	If yes, what is date of ownership transfer (MM/DD/YYYY)? Is written agreement between the new and existing permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them included? Y ☐ N ☐

3. Signature requirements. The Notice of Change must be signed by the permittee 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:	Common Street Trust Property
Signature of permittee(s)	
Print Full Name and Title:	Ronald K. Burns, LSP - Division Manager - Environmental Services
Date:	