UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
BOSTON, MA 02109-3912

CERTIFIED MAIL RETURN RECEIPT REQUESTED

MAR 2 0 2012

Doug Murray
Construction Manager
Gershman Brown Crowley, Inc.
14 Breakneck Hill, Suite 101
Lincoln RI, 02865

Re: Authorization to discharge under the Remediation General Permit (RGP) – MAG910000. Proposed CVS pharmacy/store site located at 16 Boston Road, Chelmsford Massachusetts 01824, Middlesex County; Authorization # MAG910524

Dear Mr. Murray:

Based on the review of a Notice of Intent (NOI) submitted on behalf of Purity Supreme, Inc., by your firm Gershman Brown Crowley, Inc., for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: http://www.epa.gov/region1/npdes/mass.html#dgp.

Please note the enclosed checklist includes parameters you have marked "Believe Present." Also, please note that the metals included on the checklist are dilution dependent pollutants and subject to limitations based on selected dilution ranges and technology-based ceiling limitations. For each parameter the dilution factor 6.38 for this site is within a dilution range greater than five to ten (>5-10), established in the RGP. (See the RGP Appendix IV for Massachusetts facilities). Therefore, the limits for trivalent chromium of 244 ug/L, hexavalent chromium of 57 ug/ L, copper of 26 ug/L, nickel of 145 ug/L, zinc of 333 ug/L and iron of 5,000ug/L, are required to achieve permit compliance at your site.

Finally, please note the checklist of pollutants attached to this authorization is subject to a recertification if the operations at the site result in a discharge lasting longer than six months. A recertification can be submitted to EPA within six (6) to twelve (12) months of operations in accordance with the 2010 RGP regulations.

This general permit and authorization to discharge will expire on September 9, 2015. You have reported that this project will terminate on March 15, 2013. You are required to submit a notice of termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,

David M. Webster, Chief
Industrial Permits Branch

Enclosure

cc: Kathleen Keohane, MassDEP
James Pearson, DPW

2010 Remediation General Permit
Summary of Monitoring Parameters[1]

NPDES Authorization Number:	**MAG910524**
Authorization Issued:	March, 2011
Facility/Site Name:	Proposed CVS Pharmacy/Store
Facility/Site Address:	16 Boston Road, Chelmsford, MA 01824, Middlesex County
	Email address of owner: Not provided; Owner Purity Supreme, Inc c/Stop and Shop Supermarket
Legal Name of Operator:	Gershman Brown Crowley, Inc
Operator contact name, title, and Address:	Doug Murray, Construction Manager, 14 Breakneck Hill, Suite 101, Lincoln, RI 02865
	Email: dmurray@gershmanbrowncrow
Estimated date of Completion:	March 15, 2013
Category and Sub-Category:	Category III. Contaminated Construction Dewatering. Sub-category A&B. General Urban Fill Sites and Known Contaminated Sites.
RGP Termination Date:	September 10, 2015
Receiving Water:	Beaver Brook

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	Parameter	**Effluent Limit/Method#/ML** (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
√	1. Total Suspended Solids (TSS)	30 milligrams/liter (mg/L) **, 50 mg/L for hydrostatic testing **, Me#60.2/ML5ug/L
	2. Total Residual Chlorine (TRC) [1]	Freshwater = 11 ug/L ** Saltwater = 7.5 ug/L **/ Me#330.5/ML 20ug/L
√	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/L/ Me# 1664A/ML 5.0mg/L
	4. Cyanide (CN) [2, 3]	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/L **/ Me#335.4/ML 10ug/L
	5. Benzene (B)	5ug/L /50.0 ug/L for hydrostatic testing only/ Me#8260C/ML 2 ug/L
	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
	7. Ethylbenzene (E)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) [4]	100 ug/L/ Me#8260C/ ML 2ug/L
	10. Ethylene Dibromide (EDB) (1,2- Dibromoethane)	0.05 ug/l/ Me#8260C/ ML 10ug/L
	11. Methyl-tert-Butyl Ether (MtBE)	70.0 ug/l/Me#8260C/ML 10ug/L
	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	13. tert-Amyl Methyl Ether (TAME)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
√	14. Naphthalene [5]	20 ug/L /Me#8260C/ML 2ug/L
	15. Carbon Tetrachloride	4.4 ug/L /Me#8260C/ ML 5ug/L
	16. 1,2 Dichlorobenzene (o-DCB)	600 ug/L /Me#8260C/ ML 5ug/L
	17. 1,3 Dichlorobenzene (m-DCB)	320 ug/L /Me#8260C/ ML 5ug/L
	18. 1,4 Dichlorobenzene (p-DCB)	5.0 ug/L /Me#8260C/ ML 5ug/L
	18a. Total dichlorobenzene	763 ug/L - NH only /Me#8260C/ ML 5ug/L
	19. 1,1 Dichloroethane (DCA)	70 ug/L /Me#8260C/ ML 5ug/L
	20. 1,2 Dichloroethane (DCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	21. 1,1 Dichloroethene (DCE)	3.2 ug/L/Me#8260C/ ML 5ug/L
√	22. cis-1,2 Dichloroethene (DCE)	70 ug/L/Me#8260C/ ML 5ug/L
	23. Methylene Chloride	4.6 ug/L/Me#8260C/ ML 5ug/L
√	24. Tetrachloroethene (PCE)	5.0 ug/L/Me#8260C/ ML 5ug/L
	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/L/Me#8260C/ ML 5ug/L
√	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
√	27. Trichloroethene (TCE)	5.0 ug/L /Me#8260C/ ML 5ug/L
	28. Vinyl Chloride (Chloroethene)	2.0 ug/L /Me#8260C/ ML 5ug/L
√	29. Acetone	Monitor Only(ug/L)/Me#8260C/ML 50ug/L
	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML 50ug/L
	31. Total Phenols	300 ug/L Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML 50ug/L
	32. Pentachlorophenol (PCP)	1.0 ug/L /Me#8270D/ML 5ug/L,Me#604 &625/ML 10ug/L
	33. Total Phthalates (Phthalate esters) [6]	3.0 ug/L ** /Me#8270D/ML 5ug/L, Me#606/ML 10ug/L& Me#625/ML 5ug/L
	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/L /Me#8270D/ML 5ug/L,Me#606/ML 10ug/L & Me#625/ML 5ug/L

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/L
	a. Benzo(a) Anthracene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	b. Benzo(a) Pyrene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	c. Benzo(b)Fluoranthene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	d. Benzo(k)Fluoranthene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	e. Chrysene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	f. Dibenzo(a,h)anthracene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	g. Indeno(1,2,3-cd) Pyrene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML5ug/L
	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/L
	h. Acenaphthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	i. Acenaphthylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	j. Anthracene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	k. Benzo(ghi) Perylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	l. Fluoranthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	m. Fluorene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	n. Naphthalene [5]	20 ug/l / Me#8270/ML 5ug/L, Me#610/ML 5ug/L & Me#625/ML 5ug/L
	o. Phenanthrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	p. Pyrene	X/Me#8270D/ML5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	37. Total Polychlorinated Biphenyls (PCBs) [8, 9]	0.000064 ug/L/Me# 608/ ML 0.5 ug/L
√	38. Chloride	Monitor only/Me# 300.0/ ML 0.1ug/L

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11/12] Freshwater	Minimum level=ML
	39. Antimony	5.6/ML 10	
	40. Arsenic **	10/ML20	
	41. Cadmium **	0.2/ML10	
√	42. Chromium III (trivalent) **	244/ML15	
√	43. Chromium VI (hexavalent) **	57/ML10	
√	44. Copper **	26/ML15	
	45. Lead **	1.3/ML20	
	46. Mercury **	0.9/ML0.2	
√	47. Nickel **	145/ML20	
	48. Selenium **	5/ML20	
	49. Silver	1.2/ML10	
√	50. Zinc **	333/ML15	
√	51. Iron	5,000/ML 20	

	Other Parameters	Limit
√	52. Instantaneous Flow	Site specific in CFS
√	53. Total Flow	Site specific in CFS
√	54. pH Range for Class A & Class B Waters in MA	6.5-8.3; 1/Month/Grab[13]
	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab[13]
	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab[13]
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab[14]
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab[14]
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab[14]
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab[14]
	61. Maximum Change in Temperature in MA – Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab[14]
	62. Maximum Change in Temperature in MA – Any Class SA water body - Coastal	1.5°F; 1/Month/Grab[14]
	63. Maximum Change in Temperature in MA – Any Class SB water body - July to September	1.5°F; 1/Month/Grab[14]
	64. Maximum Change in Temperature in MA –Any Class SB water body - October to June	4°F; 1/Month/Grab[14]

Footnotes:

[1] Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).
[2] Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.
[3] Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).
[4] BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.
[5] Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.
[6] The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.
[7] Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
[8] In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as total PCBs is the sum of all homologue, all isomer, all congener, or all "Oroclor analyses."Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.
[9]Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).
[10] Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.
[11] For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using DF x 1,000ug/L (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit =1,000 x 2 =2,000 ug/L., etc. not to exceed the DF=5.
[12] Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).
[13] pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.
[14] Temperature sampling per Method 170.1

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**: Proposed CVS Pharmacy/Store		**Facility/site** mailing address:		
Location of **facility/site**: longitude: 71° 21′ 4″ latitude: 42° 35′ 42′	Facility SIC code(s): 5912	Street: 16 Boston Road		
b) Name of **facility/site owner:**		Town: Chelmsford		
Email address of facility/site owner: Purity Supreme, Inc. c/o Stop & Shop Supermarket		State: Massachusetts	Zip: 01824	County: Middlesex
Telephone no. of facility/site **owner**: 617-770-6040				
Fax no. of facility/site **owner**:		**Owner** is (check one): 1. Federal ○ 2. State/Tribal ○ 3. Private ◉ 4. Other ○ if so, describe:		
Address of **owner** (if different from site):				
Street: 1385 Hancock Street				
Town: Quincy	State: MA	Zip: 02169	County: Norfolk	
c) Legal name of **operator**: Gershman Brown Crowley, Inc.	**Operator** telephone no: 401-721-1600			
	Operator fax no.: 401-721-1601	**Operator** email: dmurray@gershmanbrowncrow		
Operator contact name and title: Doug Murray, Construction Manager				
Address of **operator** (if different from owner):	Street: 14 Breakneck Hill, Suite 101			
Town: Lincoln	State: RI	Zip: 02865	County: Providence	

d) Check Y for "yes" or N for "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Y ○ N ⊙, if Y, number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge?
Y ○ N ⊙, if Y, date and tracking #:
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Y ⊙ N ○
4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y ⊙ N ○

e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y ○ N ⊙
If Y, please list:
1. site identification # assigned by the state of NH or MA:
2. permit or license # assigned:
3. state agency contact information: name, location, and telephone number:

f) Is the site/facility covered by any other EPA permit, including:
1. Multi-Sector General Permit? Y ○ N ⊙,
if Y, number:
2. Final Dewatering General Permit? Y ○ N ⊙,
if Y, number:
3. EPA Construction General Permit? Y ○ N ⊙,
if Y, number:
4. Individual NPDES permit? Y ○ N ⊙,
if Y, number:
5. any other water quality related individual or general permit? Y ○ N ⊙, if Y, number:

g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y ○ N ⊙

h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.

Activity Category	**Activity Sub-Category**
I - Petroleum Related Site Remediation	A. Gasoline Only Sites ☐ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☐ C. Petroleum Sites with Additional Contamination ☐
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites ☐ B. VOC Sites with Additional Contamination ☐ C. Primarily Heavy Metal Sites ☐
III - Contaminated Construction Dewatering	A. General Urban Fill Sites ☒ B. Known Contaminated Sites ☒

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ☐ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ☐ C. Hydrostatic Testing of Pipelines and Tanks ☐ D. Long-Term Remediation of Contaminated Sumps and Dikes ☐ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ☐

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:

The discharge is from groundwater recovered from construction-related excavations during property redevelopment. The discharge will be treated on-site using granular activated charcoal (GAC) prior to discharge to Beaver Brook.

b) Provide the following information about each discharge:

1) Number of discharge points: 1

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)?
Max. flow: 0.0446 ft3/sec Is maximum flow a **design value**? Y ○ N ◉
Average flow (include units): 20 gpm Is average flow a design value or estimate? Estimate

3) Latitude and longitude of each discharge within 100 feet:
pt.1: lat. 42° 35′ 42″ long. 71° 21′ 2″ pt.2: lat. _____ long. _____;
pt.3: lat. _____ long. _____ pt.4: lat. _____ long. _____;
pt.5: lat. _____ long. _____ pt.6: lat. _____ long. _____;
pt.7: lat. _____ long. _____ pt.8: lat. _____ long. _____; etc.

4) If hydrostatic testing, total volume of the discharge (gals): None

5) Is the discharge intermittent ◉ or seasonal ○?
Is discharge ongoing? Y ○ N ◉

c) Expected dates of discharge (mm/dd/yy): start: March 15, 2012 end: March 15, 2013

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).

3. Contaminant information.

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

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 µg/l	ND		ND	
2. Total Residual Chlorine (TRC)		☒	☐	1	Grab	4500CL-D	20 µg/l	ND		ND	
3. Total Petroleum Hydrocarbons (TPH)		☐	☒	1	Grab	1664A	4,000 µg/l	ND		ND	
4. Cyanide (CN)	57125	☒	☐	1	Grab	4200CN-Ce	5µg/l	ND		ND	
5. Benzene (B)	71432	☒	☐	1	Grab	8260B	0.5 µg/l	ND		ND	
6. Toluene (T)	108883	☒	☐	1	Grab	8260B	1µg/l	ND		ND	
7. Ethylbenzene (E)	100414	☒	☐	1	Grab	8260B	1µg/l	ND		ND	
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☒	☐	1	Grab	8260B	3µg/l	ND		ND	
9. Total BTEX [2]	n/a	☒	☐	1	Grab	8260B	1µg/l	ND		ND	
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☒	☐	1	Grab	8260B	2µg/l	ND		ND	
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☒	☐	1	Grab	8260B	2µg/l	ND		ND	
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☒	☐	1	Grab	8260B	10µg/l	ND		ND	

***** 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.

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)
13. tert-Amyl Methyl Ether (TAME)	9940508	☒	☐	1	Grab	8260B	2 µg/l	ND		ND	
14. Naphthalene	91203	☐	☒	1	Grab	8270	1 µg/l	ND		ND	
15. Carbon Tetrachloride	56235	☒	☐	1	Grab	8260B	1µg/l	ND		ND	
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	1	Grab	8260B	1 µg/l	ND		ND	
17. 1,3 Dichlorobenzene (m-DCB)	541731	☒	☐	1	Grab	8260B	1 µg/l	ND		ND	
18. 1,4 Dichlorobenzene (p-DCB)	106467	☒	☐	1	Grab	8260B	1 µg/l	ND		ND	
18a. Total dichlorobenzene		☒	☐	1	Grab	8260B	1 µg/l	ND		ND	
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	1	Grab	8260B	1µg/l	ND		ND	
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	1	Grab	8260B	1µg/l	ND		ND	
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	1	Grab	8260B	1µg/l	ND		ND	
22. cis-1,2 Dichloroethene (DCE)	156592	☐	☒	1	Grab	8260B	1µg/l	ND		ND	
23. Methylene Chloride	75092	☒	☐	1	Grab	8260B	2 µg/l	ND		ND	
24. Tetrachloroethene (PCE)	127184	☐	☒	1	Grab	8260B	1 µg/l	ND		ND	
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	1	Grab	8260B	1 µg/l	ND		ND	
26. 1,1,2 Trichloro-ethane (TCA)	79005	☐	☒	1	Grab	8260B	1 µg/l	ND		ND	
27. Trichloroethene (TCE)	79016	☐	☒	1	Grab	8260B	1µg/l	ND		ND	

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)
28. Vinyl Chloride (Chloroethene)	75014	☒	☐	1	Grab	8260B	1µg/l	ND		ND	
29. Acetone	67641	☐	☒	1	Grab	8260B	5µg/l	ND		ND	
30. 1,4 Dioxane	123911	☒	☐	1	Grab	8260B	3 µg/l	ND		ND	
31. Total Phenols	108952	☒	☐	1	Grab	8270	5µg/l	ND		ND	
32. Pentachlorophenol (PCP)	87865	☒	☐	1	Grab	8270	4 µg/l	ND		ND	
33. Total Phthalates (Phthalate esters) [4]		☒	☐	1	Grab	8270	5µg/l	ND		ND	
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☒	☐	1	Grab	8270	3µg/l	ND		ND	
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	Grab	8270	1µg/l	ND		ND	
a. Benzo(a) Anthracene	56553	☒	☐	1	Grab	8270	1 µg/l	ND		ND	
b. Benzo(a) Pyrene	50328	☒	☐	1	Grab	8270	1 µg/l	ND		ND	
c. Benzo(b)Fluoranthene	205992	☒	☐	1	Grab	8270	1 µg/l	ND		ND	
d. Benzo(k)Fluoranthene	207089	☒	☐	1	Grab	8270	1 µg/l	ND		ND	
e. Chrysene	21801	☒	☐	1	Grab	8270	1 µg/l	ND		ND	
f. Dibenzo(a,h)anthracene	53703	☒	☐	1	Grab	8270	1 µg/l	ND		ND	
g. Indeno(1,2,3-cd) Pyrene	193395	☒	☐	1	Grab	8270	1 µg/l	ND		ND	
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	Grab	8270M	1 µg/l	ND		ND	

[4] The sum of individual phthalate compounds.

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)
h. Acenaphthene	83329	☒	☐	1	Grab	8270M	1 µg/l	ND		ND	
i. Acenaphthylene	208968	☒	☐	1	Grab	8270M	1 µg/l	ND		ND	
j. Anthracene	120127	☒	☐	1	Grab	8270M	1 µg/l	ND		ND	
k. Benzo(ghi) Perylene	191242	☒	☐	1	Grab	8270M	1 µg/l	ND		ND	
l. Fluoranthene	206440	☒	☐	1	Grab	8270M	1 µg/l	ND		ND	
m. Fluorene	86737	☒	☐	1	Grab	8270M	1 µg/l	ND		ND	
n. Naphthalene	91203	☐	☒	1	Grab	8270M	1 µg/l	ND		ND	
o. Phenanthrene	85018	☒	☐	1	Grab	8270M	1 µg/l	ND		ND	
p. Pyrene	129000	☒	☐	1	Grab	8270M	1 µg/l	ND		ND	
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐	1	Grab	608	0.25µg/l	ND		ND	
38. Chloride	16887006	☐	☒	1	Grab	325.2	500 µg/l	ND		ND	
39. Antimony	7440360	☒	☐	1	Grab	6020	0.5µg/l	ND		ND	
40. Arsenic	7440382	☒	☐	1	Grab	6020	0.5µg/l	ND		ND	
41. Cadmium	7440439	☒	☐	1	Grab	6020	0.2µg/l	ND		ND	
42. Chromium III (trivalent)	16065831	☐	☒	1	Grab	6020	0.5µg/l	ND		ND	
43. Chromium VI (hexavalent)	18540299	☐	☒	1	Grab	3500Cr-D	10µg/l	ND		ND	
44. Copper	7440508	☐	☒	1	Grab	6020	0.5µg/l	ND		ND	
45. Lead	7439921	☒	☐	1	Grab	6020	0.5µg/l	ND		ND	
46. Mercury	7439976	☒	☐	1	Grab	245.1	0.2µg/l	ND		ND	
47. Nickel	7440020	☐	☒	1	Grab	6020	0.5µg/l	ND		ND	
48. Selenium	7782492	☒	☐	1	Grab	6020	1µg/l	ND		ND	
49. Silver	7440224	☒	☐	1	Grab	6020	0.4µg/l	ND		ND	
50. Zinc	7440666	☐	☒	1	Grab	6020	25.5µg/l	ND		ND	
51. Iron	7439896	☐	☒	1	Grab	200.7	50µg/l	ND		ND	
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):

Step 1: Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y◉ N○	If yes, which metals? Hexavalent Chromium
Step 2: For any metals which exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metal: Hexavalent Chromium DF: 6.38 Metal: DF: Metal: DF: Metal: DF: Etc.	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y○ N◉ If Y, list which metals:

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

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

The objective of the treatment system is to recover and treat groundwater impacted with volatile organic compounds as part of dewatering associated with property redevelopment. Since much of the utility and foundation work must be performed "in the dry", groundwater will be pumped from open excavations into a fractionation tank to allow silt and fines to settle-out. Water from the fractionation tank will be pumped into the treatment system, which will consist of two granular-activated carbon (GAC) filtering vessels and a bag filter.

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 20 gpm Maximum flow rate of treatment system 20 gpm
Design flow rate of treatment system 20 gpm

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

None

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): Beaver Brook

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:
After treatment, water will be discharged to Beaver Brook that flows along the northern property boundary.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
1. For multiple discharges, number the discharges sequentially.
2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water B

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 0.24 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)?

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.

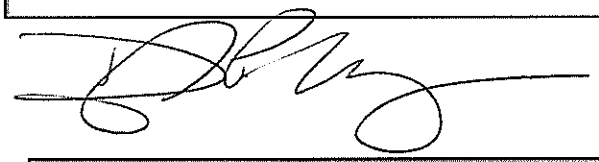
7. Supplemental information.

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

Copy of influent sample (HA503B) laboratory chemical analysis data report.

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:	Proposed CVS Pharmacy/Store No. 400
Operator signature:	
Printed Name &Title:	Doug Murray / Construction Manager
Date:	3-2-12

RANSOM Environmental Consultants, Inc.

Newburyport, Massachusetts 978-465-1822
Providence, Rhode Island 401-439-2160
Portsmouth, New Hampshire 603-436-1490
Portland, Maine 207-772-2891
Hamilton, New Jersey 609-584-0090

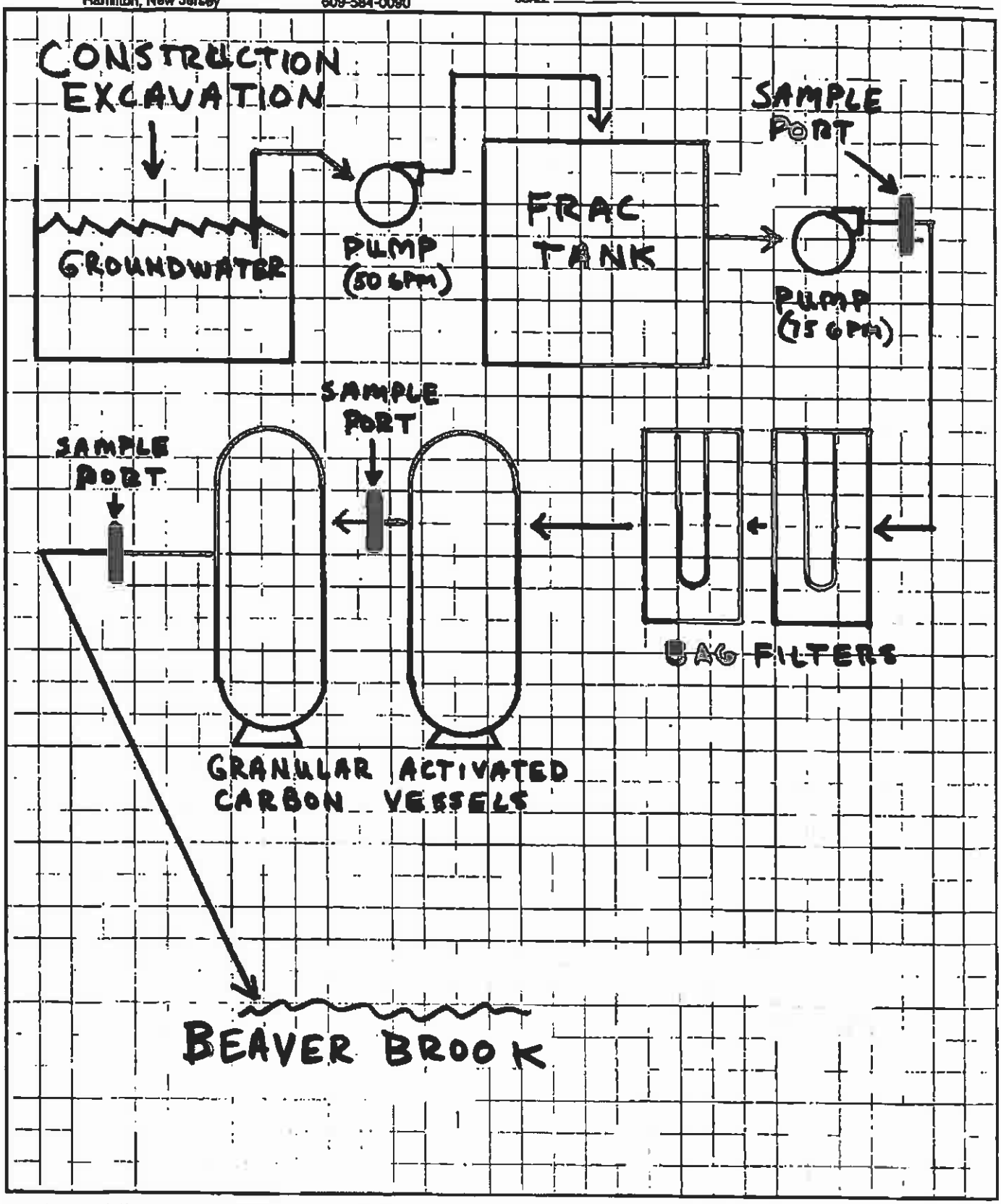
PROJECT NO. _____ SITE _____

SHEET NO. _____ OF _____

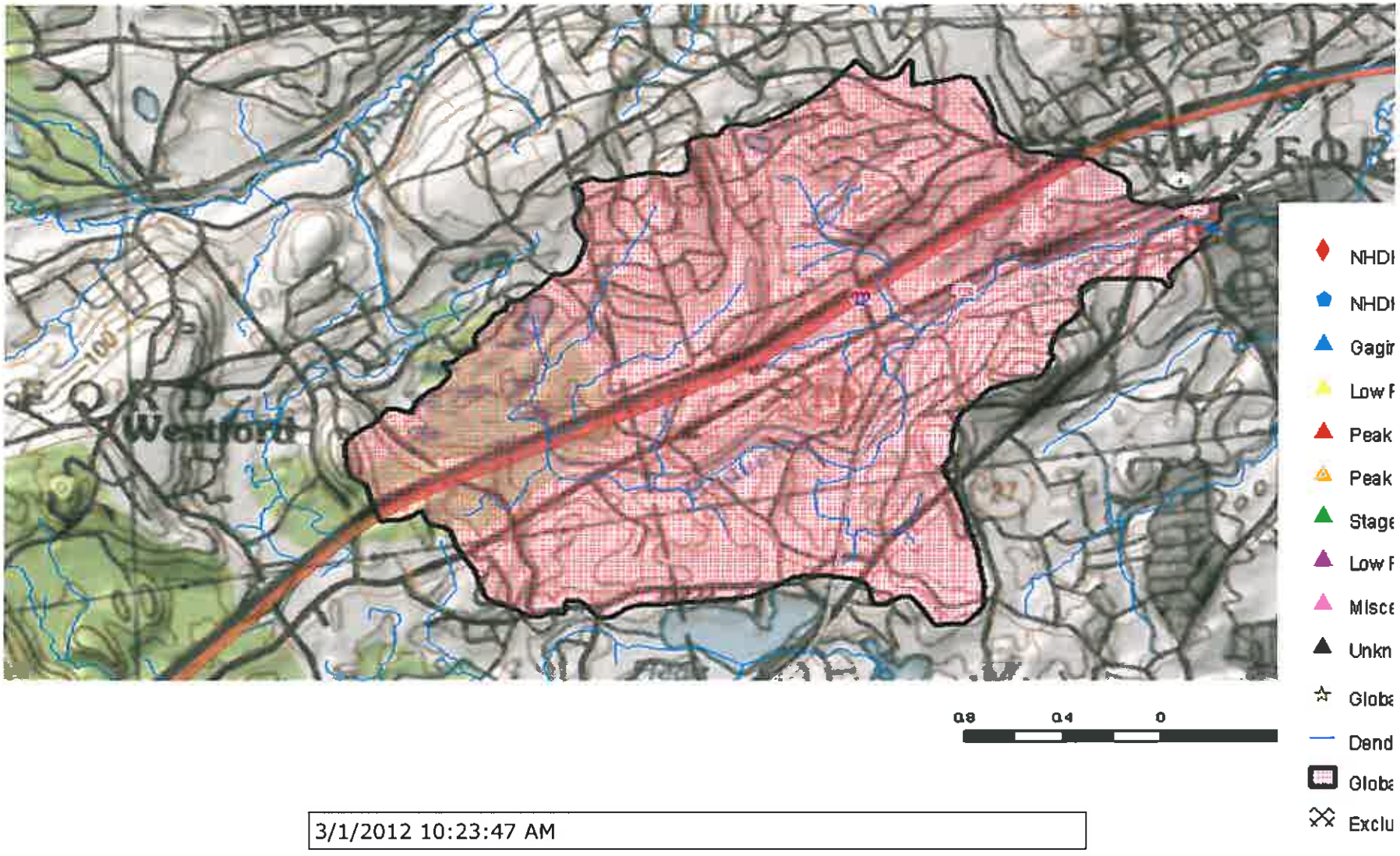
CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE _____



Beaver Brook Drainage Map



3/1/2012 10:23:47 AM

USGS
Massachusetts StreamStats

Streamstats Ungaged Site Report

Date: Thu Mar 1 2012 10:21:52 Mountain Standard Time
Site Location: Massachusetts
NAD27 Latitude: 42.5954 (42 35 43)
NAD27 Longitude: -71.3508 (-71 21 03)
NAD83 Latitude: 42.5955 (42 35 44)
NAD83 Longitude: -71.3503 (-71 21 01)
Drainage Area: 5.4 mi2

Low Flows Basin Characteristics

100% Statewide Low Flow (5.4 mi2)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	5.4	1.61	149
Mean Basin Slope from 250K DEM (percent)	2.51	0.32	24.6
Stratified Drift per Stream Length (square mile per mile)	0.22	0	1.29
Massachusetts Region (dimensionless)	0	0	1

Probability of Perennial Flow Basin Characteristics

100% Perennial Flow Probability (5.4 mi2)

Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	5.4 (above max value 1.99)	0.01	1.99
Percent Underlain By Sand And Gravel (percent)	52.50	0	100
Percent Forest (percent)	27.25	0	100
Massachusetts Region (dimensionless)	0	0	1

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

Low Flows Streamflow Statistics

Statistic	Flow (ft^3/s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
D50	5.33	18		2.69	10.5
D60	3.9	20		1.82	8.31
D70	2.46	24		1.19	5.03

D75	1.92	26		0.93	3.93
D80	1.64	28		0.79	3.37
D85	1.22	32		0.55	2.65
D90	0.95	37		0.41	2.14
D95	0.55	46		0.21	1.41
D98	0.35	60		0.11	1.02
D99	0.26	65		0.0794	0.8
M7D2Y	0.56	50		0.21	1.47
AUGD50	1.3	33		0.57	2.88
M7D10Y	0.24	71		0.0691	0.78

The equation for estimating the probability of perennial flow is applicable for most areas of Massachusetts except eastern Buzzards Bay, Cape Cod, and the Island regions. The estimate obtained from the equation assumes natural flow conditions at the site. The equation also is best used for sites with drainage areas between 0.01 to 1.99 mi2, as errors beyond for basins beyond these bounds are unknown.

Probability of Perennial Flow Statistics		
Statistic	**Value**	**Standard Error (percent)**
PROBPEREN	0.99	

Dilution Calculation:

DF = (Qd + Qs)/Qd

DF = Dilution Factor
Qd = Maximum flow rate of discharge in cubic feet per second (cfs)
Qs = Receiving Water (Beaver Brook) 7Q10 flow (cfs)

Qd= 20 gallons per minute (gpm) x 0.00223 = 0.0446 cfs
Qs = 0.24 cfs

DF = 6.38

Remediation General Permit
Appendix IV

Chloride & Total Recoverable Metals Limitations (ug/L) at Selected Dilution Ranges & Technology-Based Ceiling Limitations for Facilities Located in Massachusetts and New Hampshire

For Facilities Located in Massachusetts (for discharges to freshwater at Hardness = 50 mg/L CaCO3)[1]

Parameter	Chloride & Total Recoverable Metal Limitations (ug/l) by Dilution Factor Range					
	1 – 5 [6]	>5 - 10	>10 - 50	>50 - 100	>100	Ceiling Value [2]
38. Chloride	Monitor	Monitor	Monitor	Monitor	Monitor	Monitor
39. Antimony	5.6	30	60	141	141	141 [3]
40. Arsenic	10	50	100	500	540	540 [4]
41. Cadmium	0.2	1	2	10	20	260
42. ChromiumIII (Trivalent)	48.8	244	489	1,710	1,710	1,710
43. ChromiumVI (Hexavalent)	11.4	57	114	570	1,140	1,710 [5]
44. Copper	5.2	26	52	260	520	2,070
45. Lead	1.3	6.5	13	66	132	430
46. Mercury	0.9	2.3	2.3	2.3	2.3	2.3 [3]
47. Nickel	29	145	290	1,451	2,380	2,380
48. Selenium	5	25	50	250	408	408 [3]
49. Silver	1.2	6	12	57	115	240
50. Zinc	66.6	333	666	1,480	1,480	1,480
51. Iron	1,000	5,000	5,000	5,000	5,000	5,000

Footnotes for Massachusetts:

1. Based on 7Q10 Flow.
2. The Ceiling Value for Cadmium, Chromium, Copper, Lead, Nickel, Silver, and Zinc is a Technology Based Value and represents the "Best Available Control Technology" (BAT) for the Metal Finishing Industry, 40 CFR Section 433.14 (monthly average concentration).
3. Based on 40 CFR 437.42, "The Centralized Waste Treatment Point Source Category - Subpart D - Multiple Wastestreams Best Practicable Control Technology" (BPT) daily maximum.
4. Based on 40 CFR 445.11, "RCRA Subtitle C Landfill Best Practicable Control Technology" (BPT) for Arsenic.
5. Assumes Hexavalent Chromium reduced to Tri-valent Chromium in treatment.
6. For a Dilution Factor Range from 1 to 5, metals limits are calculated using DF times the base limit for the metal. For example, iron limits for DF 1-5 are equal to the base limit of 1,000 ug/L times the DF. For example, if DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit =1,000 x 2 =2,000 ug/L., etc. not to exceed the DF=5.

ANALYTICAL REPORT

Lab Number:	L1202802
Client:	Ransom Environmental 12 Kent Way Suite 100 Byfield, MA 01922-1221
ATTN:	Tim Montague
Phone:	(978) 465-1822
Project Name:	CVS CHELMSFORD
Project Number:	081.06067
Report Date:	02/28/12

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: CVS CHELMSFORD
Project Number: 081.06067

Lab Number: L1202802
Report Date: 02/28/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1202802-01	HA 503B	CHELMSFORD, MA	02/17/12 13:16
L1202802-02	TRIP BLANK	CHELMSFORD, MA	02/17/12 00:00

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

MADEP MCP Response Action Analytical Report Certification

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

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

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

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

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

Project Name: CVS CHELMSFORD **Lab Number:** L1202802
Project Number: 081.06067 **Report Date:** 02/28/12

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

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.

MCP Related Narratives

Sample Receipt

The samples were received below the appropriate pH for the Cyanide analysis. The laboratory added additional NaOH to a pH >12.

Volatile Organics

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The WG519395-1/-2 LCS/LCSD recoveries, associated with L1202802-01 and -02, are below the acceptance criteria for 2-Hexanone (61%/59%) and 1,2-Dibromo-3-chloropropane (61%/62%); however, they have been

Project Name: CVS CHELMSFORD **Lab Number:** L1202802
Project Number: 081.06067 **Report Date:** 02/28/12

Case Narrative (continued)

identified as "difficult" analytes and are within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds.
The initial calibration, associated with L1202802-01 and -02, did not meet the method required minimum response factors on the lowest calibration standards for 1,4-Dioxane (0.00414), as well as the average response factor for 1,4-Dioxane.
The continuing calibration standard, associated with L1202802-01 and -02, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Semivolatile Organics
In reference to question H:
The surrogate recoveries for L1202802-01 are below the acceptance criteria for 2-Fluorophenol (6%), Phenol-d6 (8%), and 2,4,6-Tribromophenol (11%). Because these recoveries were confirmed by the 8270-SIM extraction, re-extraction was not performed.
The WG520112-2/-3 LCS recoveries, associated with L1202802-01, are below the individual acceptance criteria for 3,3'-Dichlorobenzidine (39%), Aniline (26%/23%), 2,4-Dimethylphenol (LCS at 27%), and Phenol (LCSD at 29%), but within the overall method allowances. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds.
The WG520112-2/-3 LCS/LCSD RPDs, associated with L1202802-01, are above the acceptance criteria for 4-Chloroaniline (21%) and 2,4-Dimethylphenol (39%).

Semivolatile Organics by SIM
L1202802-01 has elevated detection limits due to the dilution required by the sample matrix (extract was dark and viscous).
In reference to question G:
One or more of the target analytes did not achieve the requested CAM reporting limits.
In reference to question H:
The surrogate recovery for L1202802-01 is below the individual acceptance criteria for Phenol-d6 (13%), but

Project Name: CVS CHELMSFORD **Lab Number:** L1202802
Project Number: 081.06067 **Report Date:** 02/28/12

Case Narrative (continued)

within the overall method allowances. The results of the original analysis are reported; however, all associated compounds are considered to have a potentially low bias.

PCBs

In reference to question B:

At the client's request, the analytical method specified in the CAM protocol was not followed.

In reference to question H:

The WG519170-2 LCS recoveries, associated with L1202802-01, were above the acceptance criteria for Aroclor 1016 (130%) and Aroclor 1260 (136%); however, the associated sample was non-detect for these target compounds. The results of the original analysis are reported.

The surrogate recovery for the WG519170-2 LCS is above the acceptance criteria for Decachlorobiphenyl (153%).

In reference to question I:

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

Metals

In reference to question I:

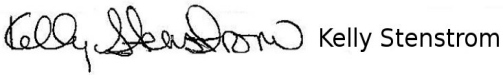
All samples were analyzed for a subset of MCP elements per the Chain of Custody.

Non-MCP Related Narratives

Phenolics, Total

L1202802-01 has an elevated detection limit due to the dilution required by the sample matrix.

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:  Kelly Stenstrom

Title: Technical Director/Representative Date: 02/28/12

ORGANICS

VOLATILES

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID:	L1202802-01	Date Collected:	02/17/12 13:16
Client ID:	HA 503B	Date Received:	02/17/12
Sample Location:	CHELMSFORD, MA	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	02/20/12 17:06		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	2.4		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	16		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID: L1202802-01 Date Collected: 02/17/12 13:16

Client ID: HA 503B Date Received: 02/17/12

Sample Location: CHELMSFORD, MA Field Prep: Not Specified

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

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID: L1202802-01 Date Collected: 02/17/12 13:16

Client ID: HA 503B Date Received: 02/17/12

Sample Location: CHELMSFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
tert-Butyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: CVS CHELMSFORD
Lab Number: L1202802
Project Number: 081.06067
Report Date: 02/28/12

SAMPLE RESULTS

Lab ID:	L1202802-01	Date Collected:	02/17/12 13:16
Client ID:	HA 503B	Date Received:	02/17/12
Sample Location:	CHELMSFORD, MA	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B-SIM		
Analytical Date:	02/20/12 17:06		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID:	L1202802-02	Date Collected:	02/17/12 00:00
Client ID:	TRIP BLANK	Date Received:	02/17/12
Sample Location:	CHELMSFORD, MA	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	02/20/12 16:34		
Analyst:	MM		

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

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID: L1202802-02 Date Collected: 02/17/12 00:00

Client ID: TRIP BLANK Date Received: 02/17/12

Sample Location: CHELMSFORD, MA Field Prep: Not Specified

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

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID: L1202802-02 Date Collected: 02/17/12 00:00

Client ID: TRIP BLANK Date Received: 02/17/12

Sample Location: CHELMSFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
tert-Butyl Alcohol	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: CVS CHELMSFORD
Lab Number: L1202802
Project Number: 081.06067
Report Date: 02/28/12

SAMPLE RESULTS

Lab ID:	L1202802-02	Date Collected:	02/17/12 00:00
Client ID:	TRIP BLANK	Date Received:	02/17/12
Sample Location:	CHELMSFORD, MA	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B-SIM		
Analytical Date:	02/20/12 16:34		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 02/20/12 09:01
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG519395-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 02/20/12 09:01
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG519395-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 02/20/12 09:01
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG519395-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--
tert-Butyl Alcohol	ND		ug/l	10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B-SIM
Analytical Date: 02/20/12 16:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by SIM - Westborough Lab for sample(s): 01-02 Batch: WG519396-3					
1,4-Dioxane	ND		ug/l	3.0	--

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG519395-1 WG519395-2								
Methylene chloride	107		105		70-130	2		20
1,1-Dichloroethane	104		104		70-130	0		20
Chloroform	106		106		70-130	0		20
Carbon tetrachloride	100		102		70-130	2		20
1,2-Dichloropropane	107		106		70-130	1		20
Dibromochloromethane	93		92		70-130	1		20
1,1,2-Trichloroethane	96		97		70-130	1		20
Tetrachloroethene	104		102		70-130	2		20
Chlorobenzene	95		95		70-130	0		20
Trichlorofluoromethane	113		113		70-130	0		20
1,2-Dichloroethane	103		105		70-130	2		20
1,1,1-Trichloroethane	104		105		70-130	1		20
Bromodichloromethane	98		101		70-130	3		20
trans-1,3-Dichloropropene	82		83		70-130	1		20
cis-1,3-Dichloropropene	97		95		70-130	2		20
1,1-Dichloropropene	103		102		70-130	1		20
Bromoform	74		72		70-130	3		20
1,1,2,2-Tetrachloroethane	86		83		70-130	4		20
Benzene	107		107		70-130	0		20
Toluene	92		93		70-130	1		20
Ethylbenzene	96		94		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG519395-1 WG519395-2								
Chloromethane	85		84		70-130	1		20
Bromomethane	94		96		70-130	2		20
Vinyl chloride	84		88		70-130	5		20
Chloroethane	97		101		70-130	4		20
1,1-Dichloroethene	96		96		70-130	0		20
trans-1,2-Dichloroethene	112		111		70-130	1		20
Trichloroethene	108		111		70-130	3		20
1,2-Dichlorobenzene	94		92		70-130	2		20
1,3-Dichlorobenzene	94		91		70-130	3		20
1,4-Dichlorobenzene	94		90		70-130	4		20
Methyl tert butyl ether	95		95		70-130	0		20
p/m-Xylene	96		96		70-130	0		20
o-Xylene	93		94		70-130	1		20
cis-1,2-Dichloroethene	112		110		70-130	2		20
Dibromomethane	110		111		70-130	1		20
1,2,3-Trichloropropane	90		87		70-130	3		20
Styrene	91		92		70-130	1		20
Dichlorodifluoromethane	79		79		70-130	0		20
Acetone	79		75		70-130	5		20
Carbon disulfide	80		82		70-130	2		20
2-Butanone	89		88		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG519395-1 WG519395-2								
4-Methyl-2-pentanone	83		81		70-130	2		20
2-Hexanone	**61**	Q	**59**	Q	70-130	3		20
Bromochloromethane	109		112		70-130	3		20
Tetrahydrofuran	88		87		70-130	1		20
2,2-Dichloropropane	95		92		70-130	3		20
1,2-Dibromoethane	95		94		70-130	1		20
1,3-Dichloropropane	96		94		70-130	2		20
1,1,1,2-Tetrachloroethane	92		94		70-130	2		20
Bromobenzene	94		92		70-130	2		20
n-Butylbenzene	90		91		70-130	1		20
sec-Butylbenzene	93		90		70-130	3		20
tert-Butylbenzene	91		88		70-130	3		20
o-Chlorotoluene	88		86		70-130	2		20
p-Chlorotoluene	88		84		70-130	5		20
1,2-Dibromo-3-chloropropane	**61**	Q	**62**	Q	70-130	2		20
Hexachlorobutadiene	111		102		70-130	8		20
Isopropylbenzene	97		97		70-130	0		20
p-Isopropyltoluene	92		90		70-130	2		20
Naphthalene	78		82		70-130	5		20
n-Propylbenzene	90		88		70-130	2		20
1,2,3-Trichlorobenzene	94		93		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG519395-1 WG519395-2								
1,2,4-Trichlorobenzene	89		92		70-130	3		20
1,3,5-Trimethylbenzene	90		87		70-130	3		20
1,2,4-Trimethylbenzene	89		87		70-130	2		20
Ethyl ether	94		93		70-130	1		20
Isopropyl Ether	96		93		70-130	3		20
Ethyl-Tert-Butyl-Ether	94		93		70-130	1		20
Tertiary-Amyl Methyl Ether	94		93		70-130	1		20
1,4-Dioxane	102		104		70-130	2		20
tert-Butyl Alcohol	103		102		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		90		70-130
Toluene-d8	93		92		70-130
4-Bromofluorobenzene	91		89		70-130
Dibromofluoromethane	105		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG519396-1 WG519396-2								
1,4-Dioxane	107		124		70-130	15		20

SEMIVOLATILES

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID:	L1202802-01	Date Collected:	02/17/12 13:16
Client ID:	HA 503B	Date Received:	02/17/12
Sample Location:	CHELMSFORD, MA	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270C	Extraction Date:	02/24/12 11:32
Analytical Date:	02/28/12 11:46		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	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	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID: L1202802-01 Date Collected: 02/17/12 13:16

Client ID: HA 503B Date Received: 02/17/12

Sample Location: CHELMSFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**6**	Q	15-110
Phenol-d6	**8**	Q	15-110
Nitrobenzene-d5	73		30-130
2-Fluorobiphenyl	71		30-130
2,4,6-Tribromophenol	**11**	Q	15-110
4-Terphenyl-d14	90		30-130

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID:	L1202802-01 D	Date Collected:	02/17/12 13:16
Client ID:	HA 503B	Date Received:	02/17/12
Sample Location:	CHELMSFORD, MA	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270C-SIM	Extraction Date:	02/20/12 20:09
Analytical Date:	02/21/12 16:50		
Analyst:	HL		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by SIM - Westborough Lab						
Acenaphthene	ND		ug/l	1.0	--	5
2-Chloronaphthalene	ND		ug/l	1.0	--	5
Fluoranthene	ND		ug/l	1.0	--	5
Hexachlorobutadiene	ND		ug/l	2.5	--	5
Naphthalene	ND		ug/l	1.0	--	5
Benzo(a)anthracene	ND		ug/l	1.0	--	5
Benzo(a)pyrene	ND		ug/l	1.0	--	5
Benzo(b)fluoranthene	ND		ug/l	1.0	--	5
Benzo(k)fluoranthene	ND		ug/l	1.0	--	5
Chrysene	ND		ug/l	1.0	--	5
Acenaphthylene	ND		ug/l	1.0	--	5
Anthracene	ND		ug/l	1.0	--	5
Benzo(ghi)perylene	ND		ug/l	1.0	--	5
Fluorene	ND		ug/l	1.0	--	5
Phenanthrene	ND		ug/l	1.0	--	5
Dibenzo(a,h)anthracene	ND		ug/l	1.0	--	5
Indeno(1,2,3-cd)Pyrene	ND		ug/l	1.0	--	5
Pyrene	ND		ug/l	1.0	--	5
2-Methylnaphthalene	ND		ug/l	1.0	--	5
Pentachlorophenol	ND		ug/l	4.0	--	5
Hexachlorobenzene	ND		ug/l	4.0	--	5
Hexachloroethane	ND		ug/l	4.0	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	16		15-110
Phenol-d6	**13**	Q	15-110
Nitrobenzene-d5	86		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	51		15-110
4-Terphenyl-d14	84		30-130

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 02/28/12 09:35
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 02/24/12 11:32

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG520112-1					
Acenaphthene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Hexachlorobenzene	ND		ug/l	2.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	2.0	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Benzo(a)anthracene	ND		ug/l	2.0	--
Benzo(a)pyrene	ND		ug/l	2.0	--
Benzo(b)fluoranthene	ND		ug/l	2.0	--
Benzo(k)fluoranthene	ND		ug/l	2.0	--

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 02/28/12 09:35
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 02/24/12 11:32

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG520112-1					
Chrysene	ND		ug/l	2.0	--
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
Acetophenone	ND		ug/l	5.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--
Pentachlorophenol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--

Project Name: CVS CHELMSFORD
Project Number: 081.06067

Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 02/28/12 09:35
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 02/24/12 11:32

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG520112-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		15-110
Phenol-d6	19		15-110
Nitrobenzene-d5	70		30-130
2-Fluorobiphenyl	72		30-130
2,4,6-Tribromophenol	87		15-110
4-Terphenyl-d14	96		30-130

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C-SIM
Analytical Date: 02/21/12 14:08
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 02/20/12 20:09

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by SIM - Westborough Lab for sample(s): 01 Batch: WG520611-1					
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	--
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: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C-SIM
Analytical Date: 02/21/12 14:08
Analyst: HL

Extraction Method: EPA 3510C
Extraction Date: 02/20/12 20:09

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by SIM - Westborough Lab for sample(s): 01 Batch: WG520611-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		15-110
Phenol-d6	43		15-110
Nitrobenzene-d5	115		30-130
2-Fluorobiphenyl	81		30-130
2,4,6-Tribromophenol	72		15-110
4-Terphenyl-d14	75		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG520112-2 WG520112-3								
Acenaphthene	74		78		40-140	5		20
1,2,4-Trichlorobenzene	73		73		40-140	0		20
Hexachlorobenzene	89		90		40-140	1		20
Bis(2-chloroethyl)ether	79		78		40-140	1		20
2-Chloronaphthalene	81		82		40-140	1		20
1,2-Dichlorobenzene	76		76		40-140	0		20
1,3-Dichlorobenzene	75		74		40-140	1		20
1,4-Dichlorobenzene	74		75		40-140	1		20
3,3'-Dichlorobenzidine	**39**	Q	40		40-140	3		20
2,4-Dinitrotoluene	94		95		40-140	1		20
2,6-Dinitrotoluene	89		89		40-140	0		20
Azobenzene	76		82		40-140	8		20
Fluoranthene	88		89		40-140	1		20
4-Bromophenyl phenyl ether	88		92		40-140	4		20
Bis(2-chloroisopropyl)ether	77		75		40-140	3		20
Bis(2-chloroethoxy)methane	80		83		40-140	4		20
Hexachlorobutadiene	74		73		40-140	1		20
Hexachloroethane	71		73		40-140	3		20
Isophorone	80		82		40-140	2		20
Naphthalene	67		69		40-140	3		20
Nitrobenzene	71		74		40-140	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG520112-2 WG520112-3								
Bis(2-Ethylhexyl)phthalate	82		85		40-140	4		20
Butyl benzyl phthalate	101		101		40-140	0		20
Di-n-butylphthalate	87		90		40-140	3		20
Di-n-octylphthalate	89		91		40-140	2		20
Diethyl phthalate	83		84		40-140	1		20
Dimethyl phthalate	84		86		40-140	2		20
Benzo(a)anthracene	93		91		40-140	2		20
Benzo(a)pyrene	83		91		40-140	9		20
Benzo(b)fluoranthene	85		93		40-140	9		20
Benzo(k)fluoranthene	83		84		40-140	1		20
Chrysene	80		88		40-140	10		20
Acenaphthylene	79		80		40-140	1		20
Anthracene	82		87		40-140	6		20
Benzo(ghi)perylene	90		94		40-140	4		20
Fluorene	78		82		40-140	5		20
Phenanthrene	83		87		40-140	5		20
Dibenzo(a,h)anthracene	91		95		40-140	4		20
Indeno(1,2,3-cd)Pyrene	89		94		40-140	5		20
Pyrene	88		92		40-140	4		20
Aniline	**26**	Q	**23**	Q	40-140	12		20
4-Chloroaniline	57		46		40-140	**21**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG520112-2 WG520112-3								
Dibenzofuran	78		84		40-140	7		20
2-Methylnaphthalene	72		74		40-140	3		20
Acetophenone	42		44		40-140	5		20
2,4,6-Trichlorophenol	88		88		30-130	0		20
2-Chlorophenol	75		76		30-130	1		20
2,4-Dichlorophenol	81		82		30-130	1		20
2,4-Dimethylphenol	**27**	Q	40		30-130	**39**	Q	20
2-Nitrophenol	88		88		30-130	0		20
4-Nitrophenol	52		46		30-130	12		20
2,4-Dinitrophenol	100		91		30-130	9		20
Pentachlorophenol	62		63		30-130	2		20
Phenol	31		**29**	Q	30-130	7		20
2-Methylphenol	56		60		30-130	7		20
3-Methylphenol/4-Methylphenol	57		59		30-130	3		20
2,4,5-Trichlorophenol	91		92		30-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG520112-2 WG520112-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	46		44		15-110
Phenol-d6	30		29		15-110
Nitrobenzene-d5	81		82		30-130
2-Fluorobiphenyl	76		78		30-130
2,4,6-Tribromophenol	91		96		15-110
4-Terphenyl-d14	98		98		30-130

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by SIM - Westborough Lab Associated sample(s): 01 Batch: WG520611-2 WG520611-3								
Acenaphthene	66		62		40-140	6		20
2-Chloronaphthalene	83		80		40-140	4		20
Fluoranthene	82		78		40-140	5		20
Hexachlorobutadiene	64		62		40-140	3		20
Naphthalene	69		66		40-140	4		20
Benzo(a)anthracene	80		75		40-140	6		20
Benzo(a)pyrene	68		64		40-140	6		20
Benzo(b)fluoranthene	69		64		40-140	8		20
Benzo(k)fluoranthene	74		69		40-140	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by SIM - Westborough Lab Associated sample(s): 01 Batch: WG520611-2 WG520611-3								
Chrysene	69		66		40-140	4		20
Acenaphthylene	79		76		40-140	4		20
Anthracene	73		70		40-140	4		20
Benzo(ghi)perylene	76		71		40-140	7		20
Fluorene	72		67		40-140	7		20
Phenanthrene	68		63		40-140	8		20
Dibenzo(a,h)anthracene	75		70		40-140	7		20
Indeno(1,2,3-cd)Pyrene	76		72		40-140	5		20
Pyrene	79		76		40-140	4		20
2-Methylnaphthalene	70		67		40-140	4		20
Pentachlorophenol	80		80		30-130	0		20
Hexachlorobenzene	67		62		40-140	8		20
Hexachloroethane	68		66		40-140	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		52		15-110
Phenol-d6	41		38		15-110
Nitrobenzene-d5	109		103		30-130
2-Fluorobiphenyl	77		71		30-130
2,4,6-Tribromophenol	74		69		15-110
4-Terphenyl-d14	72		68		30-130

PCBS

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

SAMPLE RESULTS

Lab ID:	L1202802-01	Date Collected:	02/17/12 13:16
Client ID:	HA 503B	Date Received:	02/17/12
Sample Location:	CHELMSFORD, MA	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	02/18/12 15:23
Analytical Date:	02/21/12 17:05	Cleanup Method1:	EPA 3665A
Analyst:	BW	Cleanup Date1:	02/19/12
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/19/12

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	55		30-150	A

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 02/21/12 15:49
Analyst: BW

Extraction Method: EPA 608
Extraction Date: 02/18/12 15:23
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/19/12
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/19/12

Parameter	Result	Qualifier	Units	RL	MDL
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG519170-1					
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	89		30-150	A
Decachlorobiphenyl	120		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: CVS CHELMSFORD
Project Number: 081.06067

Lab Number: L1202802
Report Date: 02/28/12

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: WG519170-3 QC Sample: L1202703-01 Client ID: MS Sample												
Aroclor 1016	ND	1	1.13	113		-	-		40-126	-		30
Aroclor 1260	ND	1	1.24	124		-	-		40-127	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	*Column*
2,4,5,6-Tetrachloro-m-xylene	54				30-150	A
Decachlorobiphenyl	135				30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG519170-2								
Aroclor 1016	**130**	Q	-		40-126	-		30
Aroclor 1260	**136**	Q	-		40-127	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113				30-150	A
Decachlorobiphenyl	153	Q			30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: CVS CHELMSFORD
Project Number: 081.06067

Lab Number: L1202802
Report Date: 02/28/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519170-4 QC Sample: L1202703-03 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	94		81		30-150	A
Decachlorobiphenyl	141		119		30-150	A

METALS

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

SAMPLE RESULTS

Lab ID: L1202802-01
Client ID: HA 503B
Sample Location: CHELMSFORD, MA
Matrix: Water
Date Collected: 02/17/12 13:16
Date Received: 02/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Chromium, Total	0.0010		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Copper, Total	0.003		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Iron, Total	0.10		mg/l	0.05	--	1	02/20/12 17:07	02/21/12 15:17	EPA 3005A	97,6010B	AI
Lead, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Mercury, Total	ND		mg/l	0.0002	--	1	02/23/12 12:05	02/23/12 16:45	EPA 7470A	97,7470A	DM
Nickel, Total	0.0027		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Selenium, Total	ND		mg/l	0.001	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Silver, Total	ND		mg/l	0.0004	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM
Zinc, Total	0.0294		mg/l	0.0050	--	1	02/20/12 17:07	02/21/12 21:52	EPA 3005A	97,6020A	BM

Project Name: CVS CHELMSFORD **Lab Number:** L1202802

Project Number: 081.06067 **Report Date:** 02/28/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG519364-1										
Iron, Total	ND		mg/l	0.05	--	1	02/20/12 17:07	02/21/12 14:59	97,6010B	AI

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG519365-1										
Antimony, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Chromium, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Copper, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Lead, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Nickel, Total	ND		mg/l	0.0005	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Selenium, Total	ND		mg/l	0.001	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Silver, Total	ND		mg/l	0.0004	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM
Zinc, Total	ND		mg/l	0.0050	--	1	02/20/12 17:07	02/21/12 21:27	97,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG519908-1										
Mercury, Total	ND		mg/l	0.0002	--	1	02/23/12 12:05	02/23/12 16:40	97,7470A	DM

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG519364-2 WG519364-3								
Iron, Total	110		110		80-120	0		20
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG519365-2 WG519365-3								
Antimony, Total	88		90		80-120	2		20
Arsenic, Total	108		107		80-120	1		20
Cadmium, Total	112		111		80-120	1		20
Chromium, Total	100		99		80-120	1		20
Copper, Total	110		108		80-120	2		20
Lead, Total	103		101		80-120	2		20
Nickel, Total	108		108		80-120	0		20
Selenium, Total	116		116		80-120	0		20
Silver, Total	102		102		80-120	0		20
Zinc, Total	104		104		80-120	0		20
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG519908-2 WG519908-3								
Mercury, Total	100		105		80-120	5		20

INORGANICS
&
MISCELLANEOUS

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

SAMPLE RESULTS

Lab ID: L1202802-01
Client ID: HA 503B
Sample Location: CHELMSFORD, MA
Matrix: Water

Date Collected: 02/17/12 13:16
Date Received: 02/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	02/21/12 11:00	02/21/12 17:01	97,9014	JO
Chromium, Hexavalent	0.022		mg/l	0.010	--	1	02/17/12 22:15	02/17/12 22:37	97,7196A	JO
General Chemistry - Westborough Lab										
Solids, Total Suspended	260		mg/l	25	NA	5	-	02/20/12 16:35	30,2540D	DW
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	02/18/12 00:15	30,4500CL-D	JO
TPH	ND		mg/l	4.00	--	1	02/20/12 14:15	02/22/12 11:45	74,1664A	JO
Phenolics, Total	ND		mg/l	0.15	--	5	02/20/12 16:50	02/20/12 20:52	4,420.1	TP
Anions by Ion Chromatography - Westborough Lab										
Chloride	15		mg/l	0.50	--	1	-	02/21/12 19:28	44,300.0	AU

Project Name: CVS CHELMSFORD
Project Number: 081.06067
Lab Number: L1202802
Report Date: 02/28/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP General Chemistry - Westborough Lab for sample(s): 01 Batch: WG519120-3										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	02/17/12 22:15	02/17/12 22:34	97,7196A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG519133-1										
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	02/18/12 00:15	30,4500CL-D	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG519288-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	02/20/12 16:35	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG519311-2										
TPH	ND		mg/l	4.00	--	1	02/20/12 14:15	02/22/12 11:45	74,1664A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG519357-1										
Phenolics, Total	ND		mg/l	0.03	--	1	02/20/12 16:50	02/20/12 20:50	4,420.1	TP
MCP General Chemistry - Westborough Lab for sample(s): 01 Batch: WG519471-3										
Cyanide, Total	ND		mg/l	0.005	--	1	02/21/12 11:00	02/21/12 16:57	97,9014	JO
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG519598-1										
Chloride	ND		mg/l	0.50	--	1	-	02/21/12 17:04	44,300.0	AU

Lab Control Sample Analysis

Batch Quality Control

Project Name: CVS CHELMSFORD

Project Number: 081.06067

Lab Number: L1202802

Report Date: 02/28/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG519120-1 WG519120-2								
Chromium, Hexavalent	100		103		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG519133-2								
Chlorine, Total Residual	105		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG519311-1								
TPH	85		-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG519357-2								
Phenolics, Total	96		-		82-111	-		12
MCP General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG519471-1 WG519471-2								
Cyanide, Total	101		97		80-120	4		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG519598-2								
Chloride	98		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: CVS CHELMSFORD
Project Number: 081.06067

Lab Number: L1202802
Report Date: 02/28/12

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: WG519311-3 QC Sample: L1202724-01 Client ID: MS Sample												
TPH	ND	20.6	16.4	79		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519357-3 QC Sample: L1202812-01 Client ID: MS Sample												
Phenolics, Total	ND	0.8	0.76	95		-	-		77-124	-		12
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519598-3 QC Sample: L1202724-01 Client ID: MS Sample												
Chloride	570	100	640	77		-	-		40-151	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: CVS CHELMSFORD
Project Number: 081.06067

Lab Number: L1202802
Report Date: 02/28/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519133-3 QC Sample: L1202802-01 Client ID: HA 503B						
Chlorine, Total Residual	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519288-2 QC Sample: L1202802-01 Client ID: HA 503B						
Solids, Total Suspended	260	270	mg/l	4		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519311-4 QC Sample: L1202802-01 Client ID: HA 503B						
TPH	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519357-4 QC Sample: L1202479-01 Client ID: DUP Sample						
Phenolics, Total	ND	ND	mg/l	NC		12
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519598-4 QC Sample: L1202724-01 Client ID: DUP Sample						
Chloride	570	560	mg/l	2		18

Project Name: CVS CHELMSFORD
Project Number: 081.06067

Lab Number: L1202802
Report Date: 02/28/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1202802-01A	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260SIM-10(14),MCP-8260-10(14)
L1202802-01B	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260SIM-10(14),MCP-8260-10(14)
L1202802-01C	Amber 1000ml HCl preserved	A	N/A	2.2	Y	Absent	TPH-1664(28)
L1202802-01D	Amber 1000ml HCl preserved	A	N/A	2.2	Y	Absent	TPH-1664(28)
L1202802-01E	Amber 1000ml Na2S2O3	A	7	2.2	Y	Absent	PCB-608(7)
L1202802-01F	Amber 1000ml Na2S2O3	A	7	2.2	Y	Absent	PCB-608(7)
L1202802-01G	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	MCP-8270SIM-10(7)
L1202802-01H	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	MCP-8270SIM-10(7)
L1202802-01I	Amber 1000ml H2SO4 preserved	A	<2	2.2	Y	Absent	TPHENOL-420(28)
L1202802-01J	Plastic 1000ml unpreserved	A	7	2.2	Y	Absent	TSS-2540(7)
L1202802-01K	Plastic 500ml unpreserved	A	7	2.2	Y	Absent	CL-300(28),TRC-4500(1)
L1202802-01L	Plastic 500ml unpreserved	A	7	2.2	Y	Absent	MCP-HEXCR7196-10(1)
L1202802-01M	Plastic 250ml NaOH preserved	A	>12	2.2	Y	Absent	MCP-TCN9014-10(14)
L1202802-01N	Plastic 250ml HNO3 preserved	A	<2	2.2	Y	Absent	MCP-FE-6010T-10(180),MCP-CR-6020T-10(180),MCP-7470T-10(28),MCP-CU-6020T-10(180),MCP-ZN-6020T-10(180),MCP-AS-6020T-10(180),MCP-NI-6020T-10(180),MCP-AG-6020T-10(180),MCP-CD-6020T-10(180),MCP-SE-6020T-10(180),MCP-PB-6020T-10(180),MCP-SB-6020T-10(180)
L1202802-01O	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	MCP-8270-10(7)
L1202802-01P	Amber 1000ml unpreserved	A	7	2.2	Y	Absent	MCP-8270-10(7)
L1202802-02A	Vial HCl preserved	A	N/A	2.2	Y	Absent	MCP-8260SIM-10(14),MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	CVS CHELMSFORD	**Lab Number:**	L1202802
Project Number:	081.06067	**Report Date:**	02/28/12

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.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

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.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

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

Terms

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

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. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

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

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

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

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

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

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

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

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

Report Format: Data Usability Report

Project Name:	CVS CHELMSFORD	**Lab Number:**	L1202802
Project Number:	081.06067	**Report Date:**	02/28/12

Data Qualifiers

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Report Format: Data Usability Report

Project Name:	CVS CHELMSFORD	**Lab Number:**	L1202802
Project Number:	081.06067	**Report Date:**	02/28/12

REFERENCES

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).

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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

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.

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

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 January 30, 2012 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

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

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

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

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

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

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 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.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

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

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

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
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 Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/17/12

ALPHA Job #: L202802

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Ransom

Address: 12 Kent Way, Suite 100
Byfield, MA

Phone: 978-465-1823

Fax:

Email: tmontague@ransomenv.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CVS Chelmsford

Project Location: Chelmsford, MA

Project #: 081.06067

Project Manager: Pete Shaw / Aaron Ma

ALPHA Quote #:

Turn-Around Time

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

Date Due: 2/24/12 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #: 3844

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

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

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 B/S1M	MA EPH 1664	PCB's	PAH's	8270	TCN	Total Phenols	Herb Cl	CN TAC	TCLP	Hold Methods	Sample Specific Comments	TOTAL # BOTTLES
L202802 1	HA503B	2-17-12	13:16	GW	TM	X	X	X	X	X	X	X	X	X	X	X		16
2	TRIP BLANK					X												1

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Container Type	V	A	A	A	A	P	A	P	P	P	P	
Preservative	B	B	A	A	A	E	D	A		A	A	C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	2/17/12 1400		2/17/12 1400
	2/17/12 1445		

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.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
Volatile CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1202802

Instrument ID: Jack.i Calibration Date: 20-FEB-2012 Time: 07:24

Lab File ID: 0220A03 Init. Calib. Date(s): 30-JAN-2 30-JAN-2

Sample No: 8260 CCAL Init. Calib. Times : 09:09 12:55

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.74453	.59103	.1	21	20	F
chloromethane	.77492	.65614	.1	15	20	
vinyl chloride	.73614	.62187	.1	16	20	
bromomethane	.5158	.48537	.1	6	20	
chloroethane	.46609	.45091	.1	3	20	
trichlorofluoromethane	1.1107	1.2528	.1	-13	20	
ethyl ether	.37094	.3484	.05	6	20	
1,1,-dichloroethene	.70967	.67913	.1	4	20	
carbon disulfide	1.7619	1.4094	.1	20	20	F
methylene chloride	.61773	.66008	.1	-7	20	
acetone	100	78.893	.1	21	20	F
trans-1,2-dichloroethene	.59681	.66948	.1	-12	20	
methyl tert butyl ether	1.5756	1.5015	.1	5	20	
tert butyl alcohol	.04381	.04512	.05	-3	20	F
Diisopropyl Ether	2.2471	2.1467	.01	4	20	
1,1-dichloroethane	1.1325	1.1758	.2	-4	20	
Ethyl-Tert-Butyl-Ether	1.9290	1.8118	.05	6	20	
cis-1,2-dichloroethene	.66984	.75331	.1	-12	20	
2,2-dichloropropane	1.0138	.96292	.05	5	20	
bromochloromethane	.31642	.34604	.05	-9	20	
chloroform	1.1641	1.2381	.2	-6	20	
carbontetrachloride	.89363	.88992	.1	0	20	
tetrahydrofuran	.19167	.16897	.05	12	20	
1,1,1-trichloroethane	1.0245	1.0678	.1	-4	20	
1,1-dichloropropene	.9093	.93607	.05	-3	20	
2-butanone	100	88.595	.1	11	20	
benzene	2.6130	2.7954	.5	-7	20	
Tertiary-Amyl Methyl Ether	1.7256	1.6269	.05	6	20	
1,2-dichloroethane	.79842	.82501	.1	-3	20	
trichloroethene	.68539	.74059	.2	-8	20	
dibromomethane	.37025	.4093	.05	-11	20	
1,2-dichloropropane	.65331	.69881	.1	-7	20	
bromodichloromethane	.88989	.87634	.2	2	20	
1,4-dioxane	.00378	.00385	.05	-2	20	F
cis-1,3-dichloropropene	1.0576	1.0232	.2	3	20	
toluene	2.1698	2.0055	.4	8	20	
tetrachloroethene	.78654	.82187	.2	-4	20	
4-methyl-2-pentanone	.19703	.16314	.1	17	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1202802

Instrument ID: Jack.i Calibration Date: 20-FEB-2012 Time: 07:24

Lab File ID: 0220A03 Init. Calib. Date(s): 30-JAN-2 30-JAN-2

Sample No: 8260 CCAL Init. Calib. Times : 09:09 12:55

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
trans-1,3-dichloropropene	1.2011	.97987	.1	18	20	
1,1,2-trichloroethane	.56618	.54466	.1	4	20	
chlorodibromomethane	.75866	.70508	.1	7	20	
1,3-dichloropropane	1.1462	1.1058	.05	4	20	
1,2-dibromoethane	.68277	.65094	.1	5	20	
2-hexanone	.55294	.3387	.1	39	20	F
chlorobenzene	2.3895	2.2777	.5	5	20	
ethyl benzene	3.9267	3.7552	.1	4	20	
1,1,1,2-tetrachloroethane	.85799	.79002	.05	8	20	
p/m xylene	1.5890	1.5252	.1	4	20	
o xylene	1.6049	1.4971	.3	7	20	
bromoform	.92672	.69064	.1	25	20	F
styrene	2.7535	2.4993	.3	9	20	
isopropylbenzene	3.5069	3.4053	.1	3	20	
bromobenzene	1.8749	1.7684	.05	6	20	
n-propylbenzene	7.5233	6.7755	.05	10	20	
1,1,2,2,-tetrachloroethane	1.4738	1.2607	.3	14	20	
2-chlorotoluene	5.5684	4.9138	.05	12	20	
1,2,3-trichloropropane	1.2040	1.0840	.05	10	20	
1,3,5-trimethybenzene	5.3170	4.7766	.05	10	20	
4-chorotoluene	5.1729	4.5413	.05	12	20	
tert-butylbenzene	4.1054	3.7483	.05	9	20	
1,2,4-trimethylbenzene	5.5701	4.9616	.05	11	20	
sec-butylbenzene	5.3128	4.9338	.01	7	20	
p-isopropyltoluene	4.5714	4.1953	.05	8	20	
1,3-dichlorobenzene	3.1577	2.9529	.6	6	20	
1,4-dichlorobenzene	3.2042	3.0160	.5	6	20	
n-butylbenzene	3.5523	3.2149	.05	9	20	
1,2-dichlorobenzene	2.9018	2.7384	.4	6	20	
1,2-dibromo-3-chloropropane	.20412	.1254	.05	39	20	F
1,2,4-trichlorobenzene	.76011	.67573	.2	11	20	
hexachlorobutadiene	.3166	.35019	.05	-11	20	
naphthalene	1.5792	1.2303	.05	22	20	F
1,2,3-trichlorobenzene	.4328	.4048	.05	6	20	
dibromofluoromethane	.24313	.25617	.05	-5	20	
1,2-dichloroethane-d4	.28377	.25946	.05	9	20	
toluene-d8	1.2579	1.1693	.01	7	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1202802

Instrument ID: Jack.i Calibration Date: 20-FEB-2012 Time: 07:24

Lab File ID: 0220A03 Init. Calib. Date(s): 30-JAN-2 30-JAN-2

Sample No: 8260 CCAL Init. Calib. Times : 09:09 12:55

Compound	RRF	RRF	MIN RRF	%D	MAX %D
4-bromofluorobenzene	.94386	.86295	.05	9	20

FORM VII MCP-8260-10