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

CERTIFIED MAIL RECEIPT REQUESTED

AUG 0 8 2011

Michael C. Bricher
Technical Manager
Triumvirate Environmental Inc.
61 Innerbelt Rd.
Somerville, MA 02143

Re: Authorization to discharge under the Remediation General Permit (RGP) – MAG910000. Former Stanley Woolen Mill site located at 146 Mendon Street, Uxbridge, MA 01569, Worcester County, Authorization # MAG910498

Dear Mr. Bricher:

Based on the review of a Notice of Intent (NOI) submitted on behalf of LTI Uxbridge Stanley Limited Partnership, by your firm Triumvirate Environmental, 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 check list 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 the parameters which you have marked "Believed Present". The checklist also includes parameters which your laboratory reports indicated there was insufficient sensitivity to detect this parameter at the minimum level established in Appendix VI of the RGP.

Also, please note that the metals included on the checklist are dilution dependent pollutants and subject to limitations based on selected dilution factor ranges (DFR), and technology-based ceiling limitations. Due to the ample dilution at the point of discharge

(126) the DFR applicable for this pollutant is greater than one hundred (>100) a value established in the RGP. (See the RGP Appendix IV for Massachusetts facilities). Therefore, the limit for trivalent chromium of 1,710ug/L, hexavalent chromium of 1,140ug/L, nickel of 2,380ug/L, zinc of 1,480ug/L and iron of 5,000ug/L, shall not be exceeded in the discharge.

Finally, please note the list 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 October 1, 2011. If for any reason the discharge terminates sooner 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

2010 Remediation General Permit
Summary of Monitoring Parameters[1]

NPDES Authorization Number:	**MAG910498 – New**
Authorization Issued in:	July, 2011
Facility/Site Name:	Former Stanley Woolen Mills
Facility/Site Address and Owners email & pn:	146 Mendon Street, Uxbridge, MA 01569, Worcester County
	nbd@deaneredevelopment.com; Phone n: 617-823-3035
Legal Name of Operator:	Triumvirate Environmental Incorporated
Operator contact name, title, and Address:	Michael C. Bricher, LSP Technical Manager
	Email mbricher@triumvirate.com
Estimated Date of Completion:	10/01/2011
Category and Sub-Category:	Category I- Petroleum Related site remediation. Sub-category B. Fuel Oils and Other Oils Sites.
Receiving Water:	Blackstone River

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/ML 5ug/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 5ug/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
	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

	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)
	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/ ML5ug/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/ML5ug/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
	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

	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)
	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] Freshwater			
	39. Antimony	5.6/ML 10			
	40. Arsenic **	10/ML20			
	41. Cadmium **	0.2/ML10			
√	42. Chromium III (trivalent) **	1,710/ML15			

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11] Freshwater			
√	43. Chromium VI (hexavalent) **	1,140/ML10			
	44. Copper **	5.2/ML15			
	45. Lead **	1.3/ML20			
	46. Mercury **	0.9/ML0.2			
√	47. Nickel **	2,380/ML20			
	48. Selenium **	5/ML20			
	49. Silver	1.2/ML10			
√	50. Zinc **	1,480/ML15			
√	51. Iron	5,000/20mL			

	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

July 20, 2011

US Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code OEP06-4
Boston, MA 02109-3912
ATTN: Remediation General Permit NOI Processing
NPDES.Generalpermits@epa.gov

RE: Notice of Intent for Application of Remediation General Permit
Former Stanley Woolen Mill
146 Mendon Street
Uxbridge, MA 01569
Release Tracking Number 2-0138

To Whom It May Concern:

Triumvirate Environmental Inc. (TEI) on behalf of LTI Uxbridge Stanley Limited Partnership (LTI Uxbridge) has prepared this Notice of Intent (NOI) for Application of Remediation General Permit (RGP) under the National Pollution Discharge Elimination System requirements for the above-referenced property (the Site).

The purpose of this NOI is to discharge treated groundwater to an on-site stormwater catch basin during petroleum-impacted excavation related activities authorized as part of the Release Abatement Measure associated with Release Tracking Number (RTN) 2-0138. The following support documentation has been included with this NOI for Application of RGP:

- Suggested Form for NOI for the Remediation General Permit;
- USGS Locus Map;
- Site Plan;
- Mass 21e Resource Priority Map;
- Mass GIS Wetlands Map;
- BioMap produced by Natural Heritage and Endangered Species Program;
- 2008 Priority Habitat and Estimated Habitat Natural Heritage and Endangered Species Program;
- Treatment System Design Schematic;
- Material Safety Data Sheet for Petroleum Hydrocarbons; and
- Untreated groundwater analytical laboratory report.

An antique store and antique refinishing shop maintains occupancy in a portion of the building while undergoing building renovation activities for future commercial business offices. Depth to groundwater in the proposed excavation area is approximately 10-14 feet below grade; and thus, site dewatering activities have been implemented in order to facilitate

the removal of petroleum-impacted soils. Please refer to the Site Plan for a depiction of the soil excavation area.

Groundwater will be extracted from the excavation, processed through an oil/water separator, and contained within a 21,000-gallon fractionation (frac) tank. Recoverable oil that is generated during the site remediation activities will be removed from the Site via vacuum truck and transported to an off-site recycling facility under a Uniform Non-hazardous Waste Manifest/Bill of Lading.

The accumulated water in the frac tank will be treated with bag filters and two liquid phase granular activated carbon (LGAC) canisters prior to discharge to an on-site storm water catch basin. The on-site storm water catch basin discharges into the adjacent Blackstone River. For the purpose of this design, TEI anticipates pumping 50 gallons per minute before discharging to an on-site storm drainage catch basin located east of the excavation. This catch basin is connected to a storm drainage line that runs through the property. This storm line is connected to the Blackstone River, located immediately east of the Site, respectively. The total amount treated groundwater is not anticipated to exceed 100,000 gallons.

Groundwater samples were collected on July 21, 2010 from a site monitoring well in the immediate vicinity of where Site dewatering activities will be occurring. As previously noted, the source of the petroleum contamination is associated with a release of No. 6 fuel oil from a former underground storage tank. As such, the untreated groundwater sample was analyzed for the target constituents identified in Group I, subcategory B detailed in Appendix III of the Remediation General Permit. Please note that chromium IV, zinc, iron, and nickel were not analyzed as part of the July 21, 2010 laboratory analyses, however, these parameters are anticipated to be performed as part of the RGP Permit.

The discharge of treated groundwater is anticipated to begin in early to mid-August, 2011 and operate intermittently for approximately two months. Please feel free to contact me with any questions or comments at our office (800) 966-9282.

Sincerely,
Triumvirate Environmental, Inc.

Michael C. Bricher, P.G., LSP
Technical Manager

Sarah Rocklin
Staff Scientist

Attachments

cc: Mr. Nicholas Deane, LTI Uxbridge Stanley Limited Partnership
Mr. Benn Sherman, DPW Director, Uxbridge Department of Public Works, 147 Hecla Street, Uxbridge, MA 01569

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**: Former Stanley Woolen Mills		**Facility/site** mailing address:		
Location of **facility/site**: longitude: 71371482 latitude: 420450	Facility SIC code(s): 1542	Street: 146 Mendon Street		
b) Name of **facility/site owner:** LTI Uxbridge Stanley LP		Town: Uxbridge		
Email address of facility/site owner: nbd@deaneredevelopment.com		State: MA	Zip: 01569	County: Worcester
Telephone no. of facility/site **owner**: (617) 823-3035				
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: 120 Fulton Street				
Town: Boston	State: MA	Zip: 02109	County: Suffolk	
c) Legal name of **operator**: Triumvirate Environmental Incorporated	**Operator** telephone no: (800) 966-9282			
	Operator fax no.: (617) 628-4196	**Operator** email: mbricher@triumvirate.com		
Operator contact name and title: Michael C. Bricher, LSP, Senior Engineer				
Address of **operator** (if different from owner):	Street: 61 Innerbelt Road			
Town: Somerville	State: MA	Zip: 02143	County: Middlesex	

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:

Temporary storage vessels shall be pumped through a treatment system. The water shall be treated with particulate and bag filters. The effluent shall be discharged into an on-site stormwater catch basin feeding back into the Blackstone River.

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: 0.1115 Is maximum flow a **design value**? Y ○ N ◉
Average flow (include units): 0.1115 ft3/s Is average flow a design value or estimate? estimate

3) Latitude and longitude of each discharge within 100 feet:
pt.1: lat. 420447 long. 71371265 pt.2: lat. ____ long. ____;
pt.3: lat. ____ long. ____ pt.4: lat. ____ long. ____;
pt.5: lat. ____ long. ____ pt.6: lat. ____ long. ____;
pt.7: lat. ____ long. ____ pt.8: lat. ____ long. ____; etc.

4) If hydrostatic testing, total volume of the discharge (gals):

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

c) Expected dates of discharge (mm/dd/yy): start 8/11/2011 end 10/01/2011

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	10	420			
2. Total Residual Chlorine (TRC)		☐	☐								
3. Total Petroleum Hydrocarbons (TPH)		☐	☒	1	grab	8100	0.20	0.22			
4. Cyanide (CN)	57125	☐	☐								
5. Benzene (B)	71432	☐	☒	1	grab	8260B	1.0	2.4			
6. Toluene (T)	108883	☒	☐	1	grab	8260B	1.0	<1.0			
7. Ethylbenzene (E)	100414	☒	☐	1	grab	8260B	1.0	<1.0			
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☒	☐	1	grab	8260B	3.0	<3.0			
9. Total BTEX [2]	n/a	☒	☐	1	grab	8260B	6.0	<7.4			
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☒	☐	1	grab	8260B	1.0	<1.0			
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☒	☐	1	grab	8260B	1.0	<1.0			
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☐	☐								

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

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

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

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	0.5	<0.5			
14. Naphthalene	91203	☒	☐	1	grab	8260B	2.0	<2.0			
15. Carbon Tetrachloride	56235	☒	☐	1	grab	8260B	1.0	<1.0			
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	1	grab	8260B	1.0	<1.0			
17. 1,3 Dichlorobenzene (m-DCB)	541731	☒	☐	1	grab	8260B	1.0	<1.0			
18. 1,4 Dichlorobenzene (p-DCB)	106467	☒	☐	1	grab	8260B	1.0	<1.0			
18a. Total dichlorobenzene		☐	☐								
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	1	grab	8260B	1.0	<1.0			
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	1	grab	8260B	1.0	<1.0			
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	1	grab	8260B	1.0	<1.0			
22. cis-1,2 Dichloroethene (DCE)	156592	☒	☐	1	grab	8260B	1.0	<1.0			
23. Methylene Chloride	75092	☒	☐	1	grab	8260B	1.0	<1.0			
24. Tetrachloroethene (PCE)	127184	☒	☐	1	grab	8260B	1.0	<1.0			
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	1	grab	8260B	1.0	<1.0			
26. 1,1,2 Trichloro-ethane (TCA)	79005	☒	☐	1	grab	8260B	1.0	<1.0			
27. Trichloroethene (TCE)	79016	☒	☐	1	grab	8260B	1.0	<1.0			

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	2.0	<2.0			
29. Acetone	67641	☒	☐	1	grab	8260B	10	<10			
30. 1,4 Dioxane	123911	☒	☐	1	grab	8260B	50	<50			
31. Total Phenols	108952	☐	☒	1	grab	EPA 420.1	0.05	0.15			
32. Pentachlorophenol (PCP)	87865	☐	☐								
33. Total Phthalates (Phthalate esters) [4]		☐	☐								
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☐	☐								
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	grab	8270C	1	<1			
a. Benzo(a) Anthracene	56553	☒	☐	1	grab	8270C	0.05	<0.05			
b. Benzo(a) Pyrene	50328	☒	☐	1	grab	8270C	0.1	<0.1			
c. Benzo(b)Fluoranthene	205992	☒	☐	1	grab	8270C	0.05	<0.05			
d. Benzo(k)Fluoranthene	207089	☒	☐	1	grab	8270C	0.2	<0.2			
e. Chrysene	21801	☒	☐	1	grab	8270C	0.2	<0.02			
f. Dibenzo(a,h)anthracene	53703	☒	☐	1	grab	8270C	0.2	<0.2			
g. Indeno(1,2,3-cd) Pyrene	193395	☒	☐	1	grab	8270C	0.2	<0.2			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☐	☒	1	grab	EPH-04-1.1	100	180			

[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	EPH-04-1.1	2.0	<2.0			
i. Acenaphthylene	208968	☒	☐	1	grab	EPH-04-1.1	2.0	<2.0			
j. Anthracene	120127	☒	☐	1	grab	EPH-04-1.1	2.0	<2.0			
k. Benzo(ghi) Perylene	191242	☒	☐	1	grab	EPH-04-1.1	2.0	<2.0			
l. Fluoranthene	206440	☒	☐	1	grab	EPH-04-1.1	2.0	<2.0			
m. Fluorene	86737	☐	☒	1	grab	EPH-04-1.1	2,0	2.1			
n. Naphthalene	91203	☒	☐	1	grab	EPH-04-1.1	2.0	<2.0			
o. Phenanthrene	85018	☒	☐	1	grab	EPH-04-1.1	2.0	<2.0			
p. Pyrene	129000	☒	☐	1	grab	EPH-04-1.1	2.0	<2.0			
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐	1	grab	8082	2	<2			
38. Chloride	16887006	☐	☐								
39. Antimony	7440360	☐	☐								
40. Arsenic	7440382	☐	☒	1	grab	6010B	0.01	0.041			
41. Cadmium	7440439	☒	☐	1	grab	6010B	0.004	<0.004			
42. Chromium III (trivalent)	16065831	☐	☒	1	grab	6010B	0.01	0.015			
43. Chromium VI (hexavalent)	18540299	☐	☐								
44. Copper	7440508	☐	☐								
45. Lead	7439921	☐	☒	1	grab	6010B	0.010	0.012			
46. Mercury	7439976	☒	☐	1	grab	7470A	0.0001	<0.0001			
47. Nickel	7440020	☐	☐								
48. Selenium	7782492	☒	☐	1	grab	6010B	0.05	<0.05			
49. Silver	7440224	☒	☐	1	grab	6010B	0.005	<0.005			
50. Zinc	7440666	☐	☐								
51. Iron	7439896	☐	☐								
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?
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:_____ DF:_____ Metal:_____ DF:_____ Metal:_____ DF:_____ Metal:_____ DF:_____ Etc.	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y__○__ N__○__ If Y, list which metals:

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

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

See attached.

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

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system:
Average flow rate of discharge 50 gpm gpm Maximum flow rate of treatment system 50 gpm gpm
Design flow rate of treatment system 50 gpm 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):

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

Effluent will be discharged into a stormwater catch basin on eastern side of subject property which discharges into the adjacent Blackstone River.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
1. For multiple discharges, number the discharges sequentially.
2. For indirect 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 Class B

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

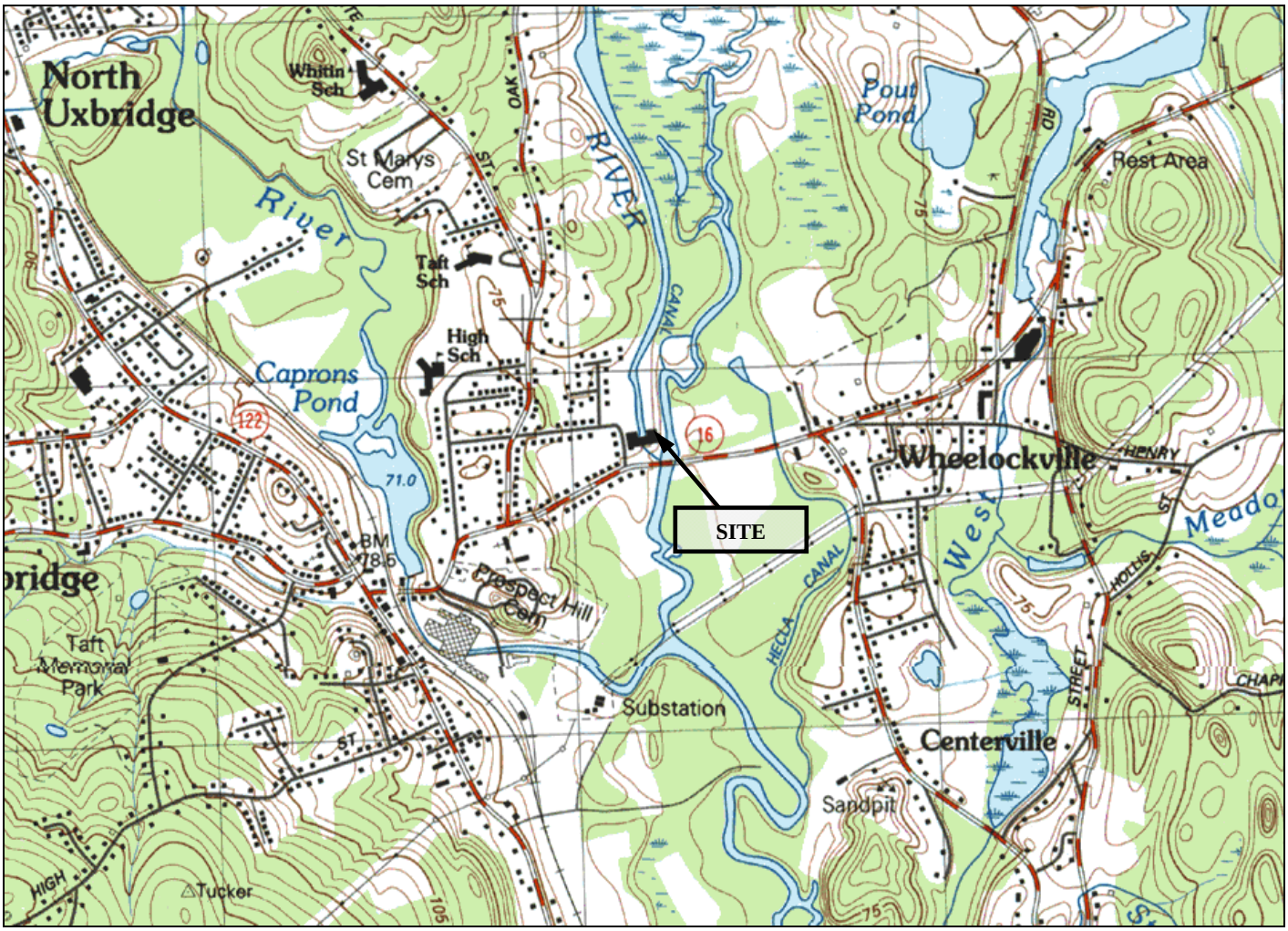
Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

See attached.

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:	Former Stanley Woolen Mills
Operator signature:	
Printed Name &Title:	Michael C. Bricher, LSP, Technical Manager
Date:	7/20/2011



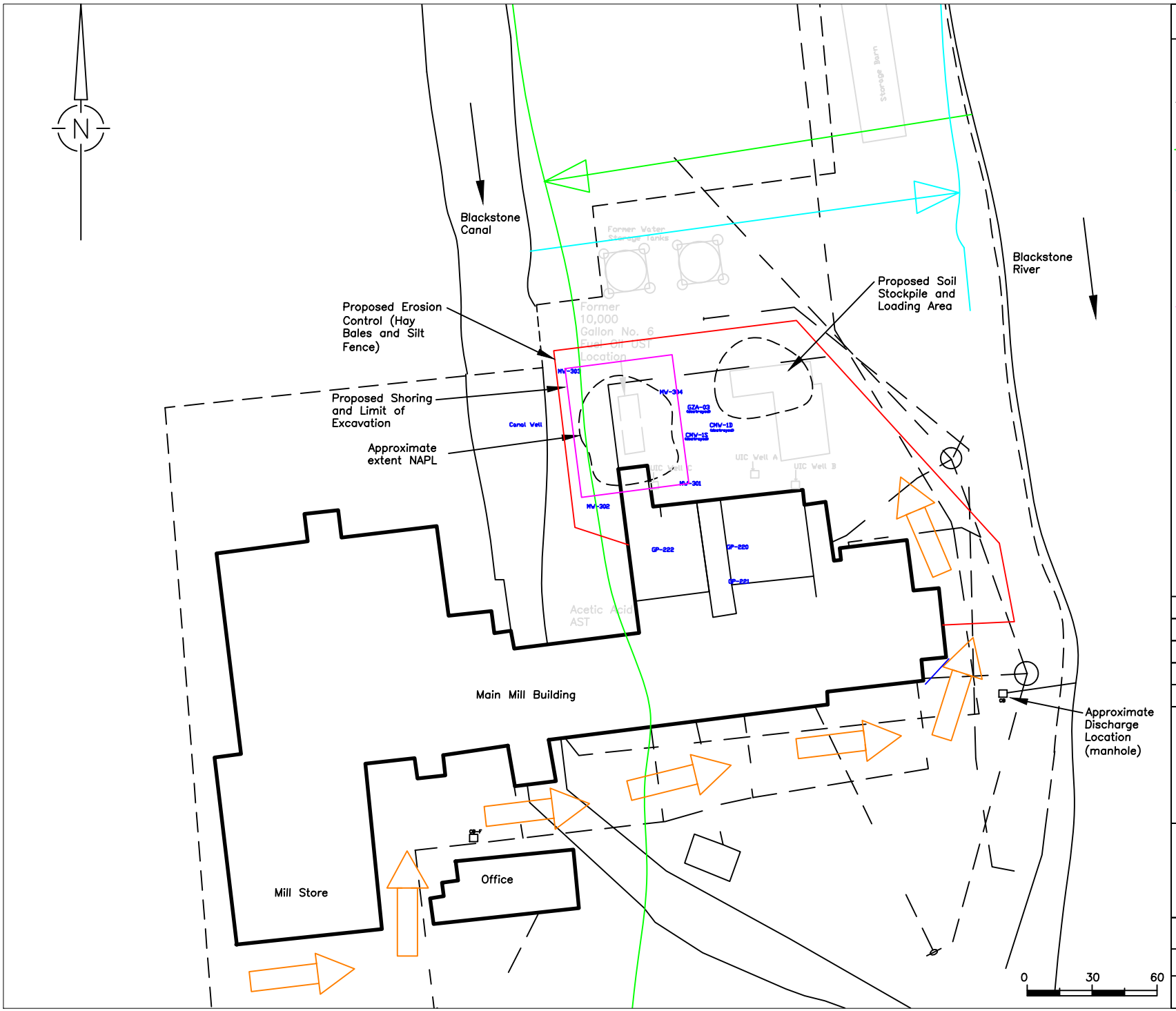
USGS Map Excerpt

146 Mendon Street
Uxbridge, MA

Excerpt from the USGS Topographic Maps
Uxbridge, MA Quadrangle, 1987
Scale: 1 to 25,000

N

TRIUMVIRATE ENVIRONMENTAL, INC.
61 Inner Belt Road
Somerville, MA 02143
(800) 966-9282, Fax: (617) 628-8099



General Notes

- Groundwater (CMW) Monitoring Well
- Soil Boring (GP)
- 200' Buffer Zone from Blackstone River
- 200' Buffer Zone from Blackstone Canal
- Access to Site by Paved Road
- Proposed Shoring and Limit of Excavation
- Proposed Erosion Control (Silt Fence and Hay Bales)

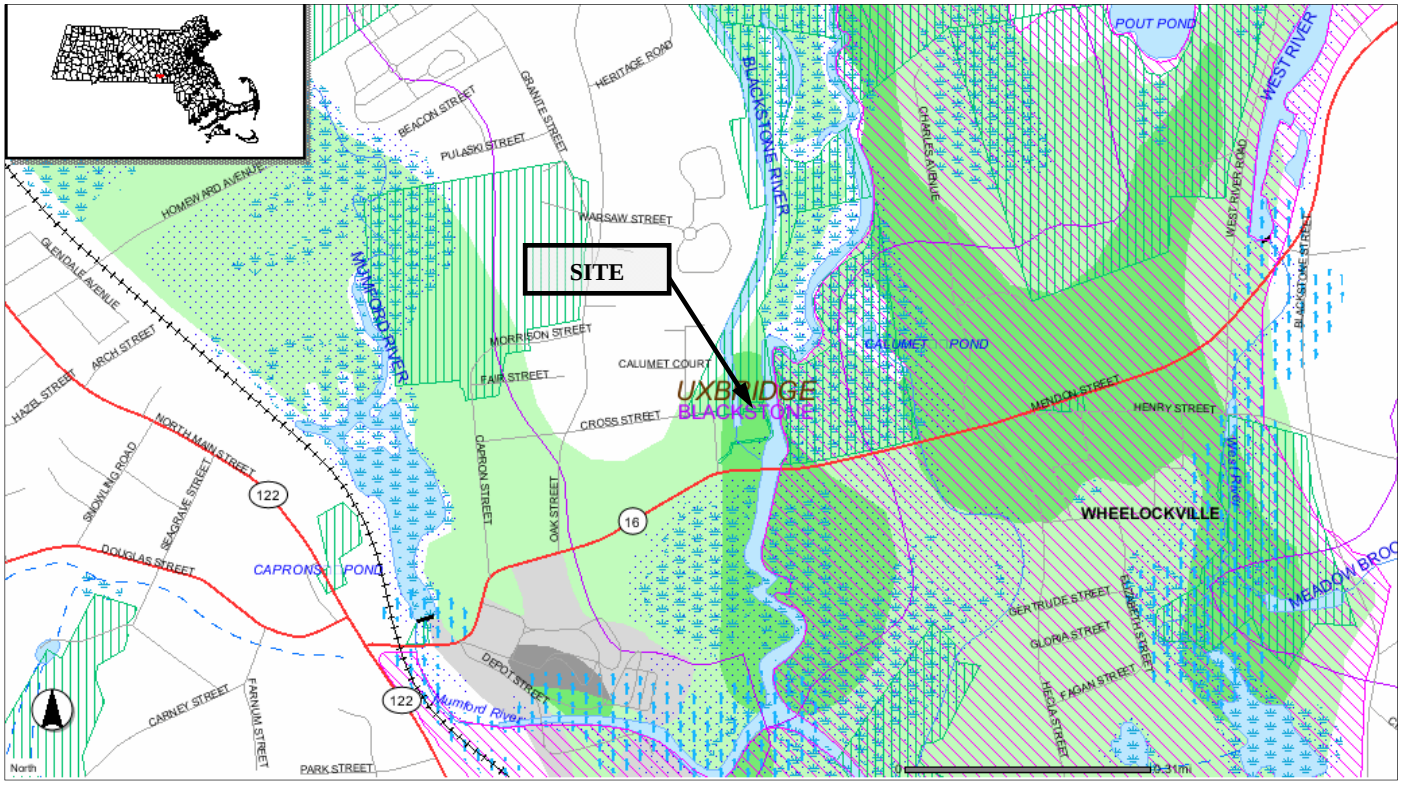
Compiled from the Site Plan included in the Conoco Phase II and III Report dated 2001.

No.	Revision/Issue	Date
1	Mod. drum area	4/9/07

Triumvirate Environmental, Inc.
61 Inner Belt Road
Somerville, MA 02143
Phone: (800) 966-9282
Fax: (617) 628-8098

Site Plan
Stanley Woolen Mills
146 Mendon Street
Uxbridge, Massachusetts

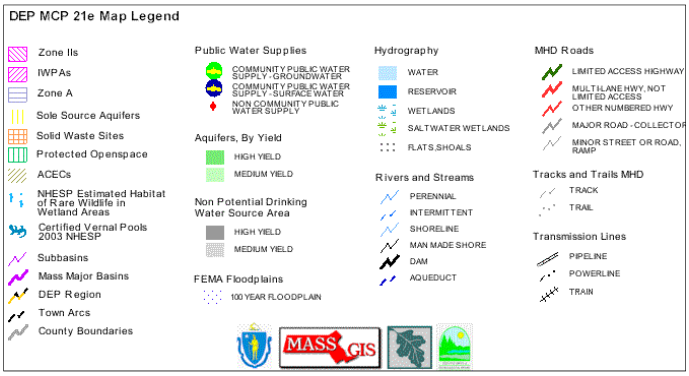
Project	54257
Date	August 13, 2010
Scale	1" to 60'



MassGIS 21e Priority Resource Map Excerpt

146 Mendon Street
Uxbridge, MA

From MassGIS Online Data Viewer
July 2011



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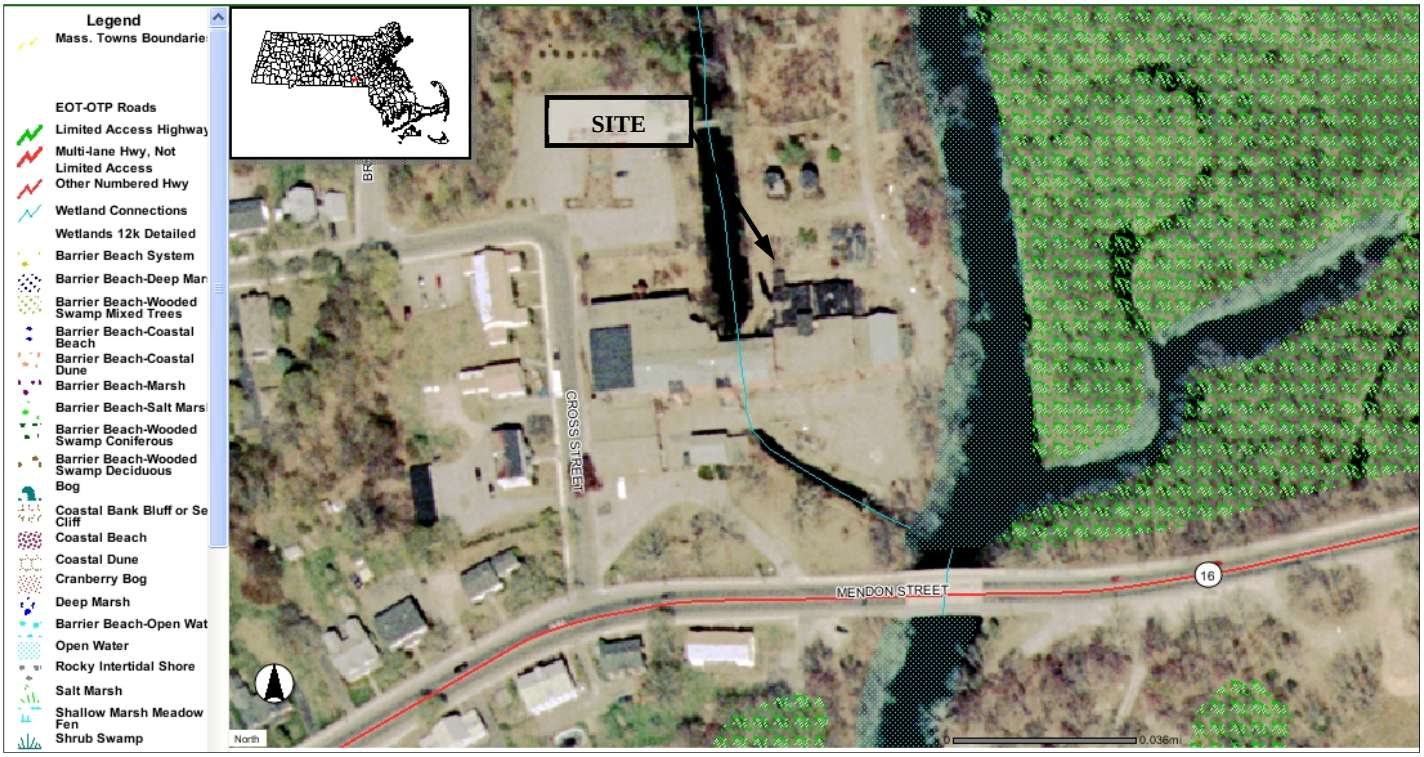
TRIUMVIRATE ENVIRONMENTAL, INC.
61 Inner Belt Road
Somerville, MA 02143
(800) 966-9282, Fax: (617) 628-8099



MassGIS Wetlands Map Excerpt

146 Mendon Street
Uxbridge, MA

From MassGIS Online Data Viewer
July 2011

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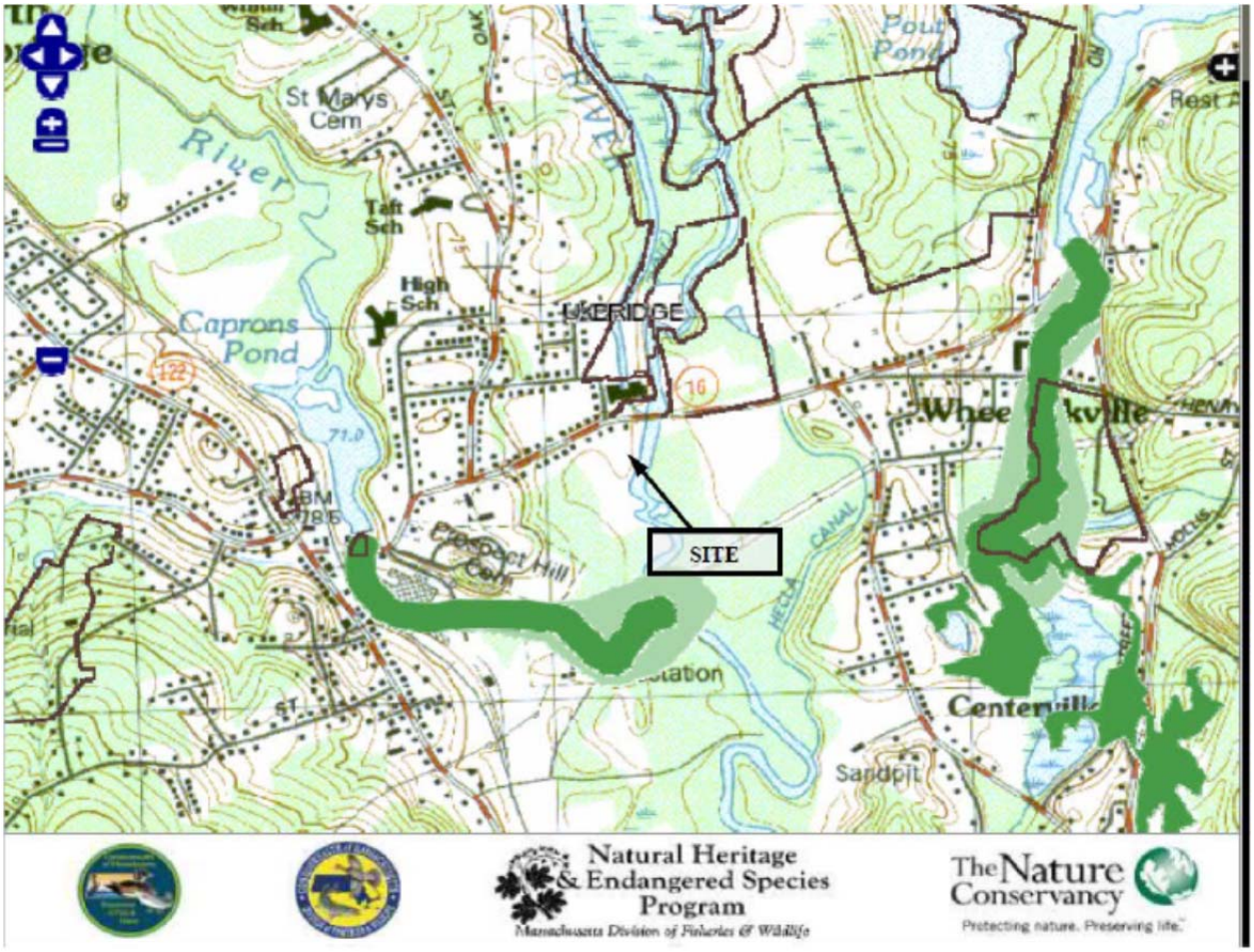
TRIUMVIRATE ENVIRONMENTAL, INC.
61 Inner Belt Road
Somerville, MA 02143
(800) 966-9282, Fax: (617) 628-8099



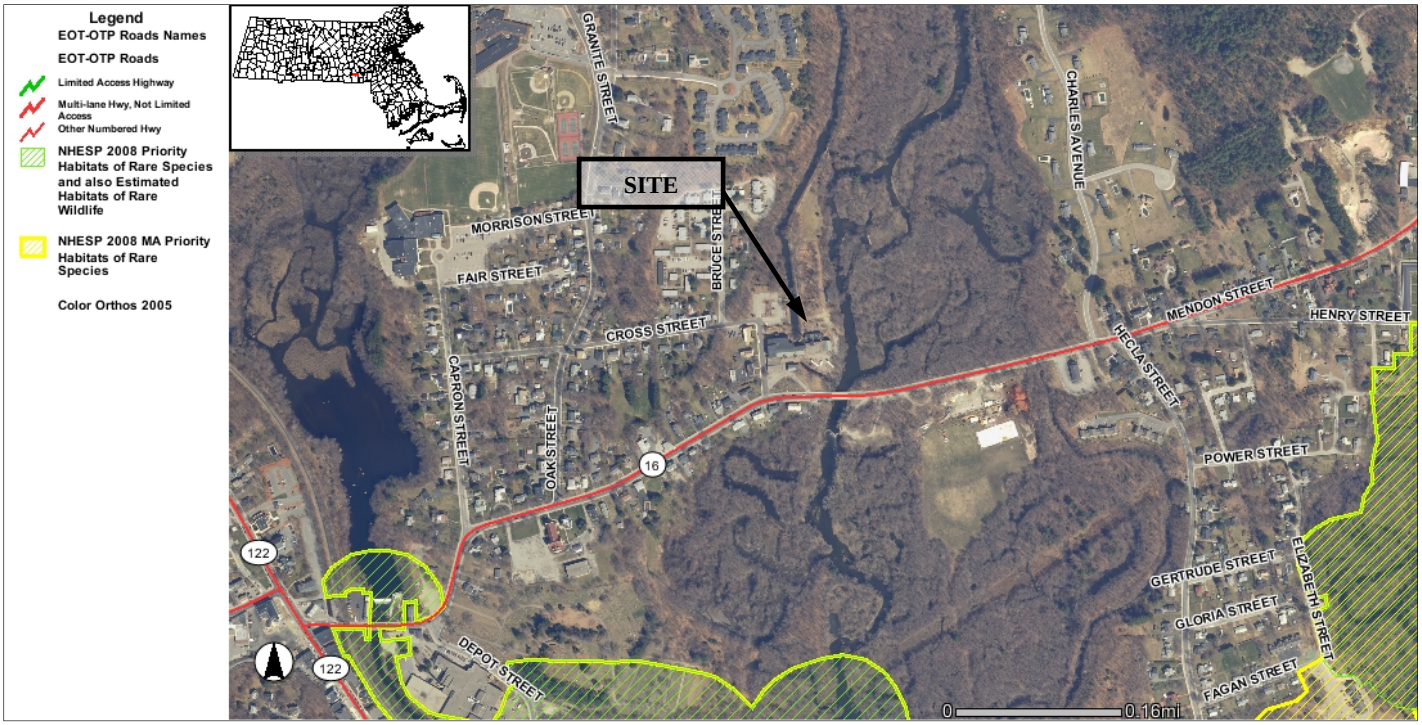
BioMap2 Map Excerpt

11 West Broadway and 10 Silver Street
South Boston, Massachusetts

From MassGIS Online Data Viewer
July 2011

TRIUMVIRATE ENVIRONMENTAL, INC.
61 Inner Belt Road
Somerville, MA 02143
(800) 966-9282, Fax: (617) 628-8099

N



NHESP 2008 Priority Habitat Map Excerpt

146 Mendon Street
Uxbridge, MA

From MassGIS Online Data Viewer
July 2011

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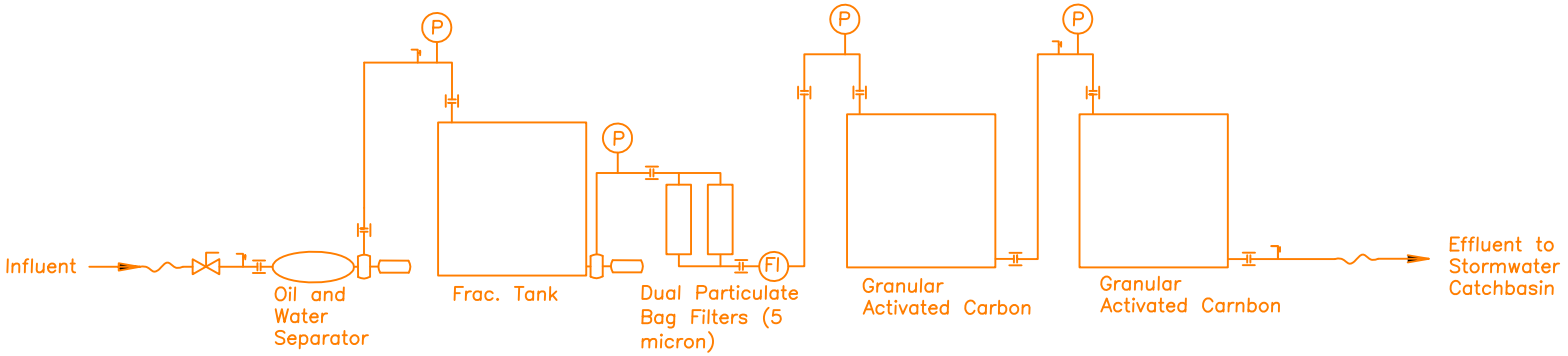
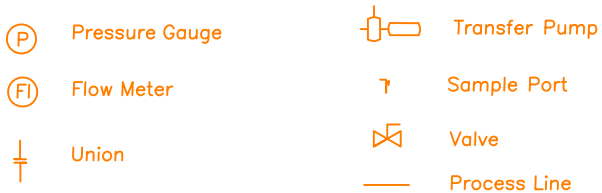
TRIUMVIRATE ENVIRONMENTAL, INC.
61 Inner Belt Road
Somerville, MA 02143
(800) 966-9282, Fax: (617) 628-8099





General Notes

Triumvirate Environmental, Inc.
61 Inner Belt Road
Somerville, MA 02143
Phone: (800) 966-9282
Fax: (617) 628-8098

Treatment System Design
Stanley Woolen Mills
146 Mendon Street
Uxbridge, Massachusetts

Project 54257

August 23, 2010

No Scale

MATERIAL SAFETY DATA SHEET

Low Gravity Residual Fuel Oil

MSDS No. 15063

EMERGENCY OVERVIEW
CAUTION!
COMBUSTIBLE LIQUID - SLIGHT TO MODERATE IRRITANT
EFFECTS CENTRAL NERVOUS SYSTEM
HARMFUL OR FATAL IF SWALLOWED

NFPA 704 (Section 16)

Moderate fire hazard; however, flammable vapors may accumulate in tank headspace. Avoid breathing vapors or mists. May cause dizziness and drowsiness. May cause moderate eye irritation, skin irritation, defatting and/or dermatitis (rash). Material on skin may cause sunburn reaction if exposed to sunlight. Long-term, repeated exposure may cause skin cancer.

If ingested, do NOT induce vomiting, as this may cause chemical pneumonia (fluid in the lungs).

HYDROGEN SULFIDE (toxic gas) may accumulate in tank vapor space. High concentration may cause immediate unconsciousness - death may result unless victim is promptly and successfully resuscitated. Hydrogen sulfide causes eye irritation.

1. CHEMICAL PRODUCT and COMPANY INFORMATION

Hess Corporation
1 Hess Plaza
Woodbridge, NJ 07095-0961

EMERGENCY TELEPHONE NUMBER (24 hrs): **CHEMTREC (800) 424-9300**
COMPANY CONTACT (business hours): Corporate EHS (732) 750-6000
MSDS Internet Website: www.hess.com

SYNONYMS: Residual Fuel Oil
See Section 16 for abbreviations and acronyms.

2. COMPOSITION and INFORMATION ON INGREDIENTS

INGREDIENT NAME (CAS No.)	CONCENTRATION PERCENT BY WEIGHT
Fuel Oil, Residual (68476-33-5)	100
Hydrogen Sulfide - H_2S (7783-06-4)	< trace - see below >
Polycyclic aromatic compounds (PACs)	$\leq$ 1.5

A complex combination of hydrocarbons produced by the distillation of products from crude oil and/or the fluidized catalytic cracking (FCC) process [up to 100% cat cracked clarified oil (CAS NUMBER: 64741-62-4)] with carbon numbers predominantly greater than C20 and boiling above 662 ^{o}F.

Hydrogen Sulfide (H_2S) may be present in trace quantities (by weight), but may accumulate to toxic concentrations such as in tank headspace. The presence of H_2S is highly variable, unpredictable and does not correlate with sulfur content. Studies with similar products have shown that 1 ppm H_2S by weight in liquid may produce 100 ppm or more H_2S in the vapor headspace of the storage tank.

3. HAZARDS IDENTIFICATION

EYES
Contact with eyes may cause mild to moderate irritation.

SKIN
May cause skin irritation with prolonged or repeated contact. Practically non-toxic if absorbed following acute (single) exposure. Exposure may cause a phototoxicity reaction: liquid or mist on the skin may produce a painful sunburn reaction when exposed to sunlight.

INGESTION

This material has a low order of acute toxicity. If large quantities are ingested, nausea, vomiting and diarrhea may result. Ingestion may also cause effects similar to inhalation of the product. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

INHALATION
Because of its low vapor pressure, this product presents a minimal inhalation hazard at ambient temperature. Upon heating, fumes may be evolved. Inhalation of fumes or mist may result in respiratory tract irritation and central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

WARNING: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

WARNING: Irritating and toxic hydrogen sulfide gas may be found in confined vapor spaces. Greater than 15 - 20 ppm continuous exposure can cause mucous membrane and respiratory tract irritation. 50 - 500 ppm can cause headache, nausea, and dizziness. Continued exposure at these levels can lead to loss of reasoning and balance, difficulty in breathing, fluid in the lungs, and possible loss of consciousness. Greater than 500 ppm can cause rapid unconsciousness due to respiratory paralysis and death by suffocation unless the victim is removed from exposure and successfully resuscitated. Greater than 1000 ppm can cause immediate unconsciousness and death if not promptly revived.

The "rotten egg" odor of hydrogen sulfide is not a reliable indicator for warning of exposure, since olfactory fatigue (loss of smell) readily occurs, especially at concentrations above 50 ppm. At high concentrations, the victim may not even recognize the odor before becoming unconscious.

CHRONIC and CARCINOGENICITY
Similar products produced skin cancer and systemic toxicity in laboratory animals following repeated applications. The significance of these results to human exposures has not been determined - see Section 11, Toxicological Information.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Irritation from skin exposure may aggravate existing open wounds, skin disorders, and dermatitis (rash) conditions.

FUEL OIL COMBUSTION ASH
Trace amounts of nickel, vanadium, and other metals in slurry oil can become concentrated in the oxide form in combustion ash deposits. Vanadium is a toxic metal affecting a number of organ systems. Nickel is a suspect human carcinogen (lung, nasal, sinus), an eye, nose, and throat irritant, and can cause allergic skin reaction in some individuals. See Section 7 for appropriate work practices.

4. FIRST AID MEASURES

EYES
In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

SKIN

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops. Thermal burns require immediate medical attention depending on the severity and the area of the body burned.

INGESTION
DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

INHALATION
Remove person to fresh air. If person is not breathing provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT:	> 150 ^{o}F (> 65.5 ^{o}C)
AUTOIGNITION POINT:	N/D
OSHA/NFPA FLAMMABILITY CLASS:	3A (COMBUSTIBLE)
LOWER EXPLOSIVE LIMIT (%):	N/D
UPPER EXPLOSIVE LIMIT (%):	N/D

FIRE AND EXPLOSION HAZARDS
Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

CAUTION: flammable vapor production at ambient temperature in the open is expected to be minimal unless the oil is heated above its flash point. However, industry experience indicates that light hydrocarbon vapors can build up in the headspace of storage tanks at temperatures below the flash point of the oil, presenting a flammability and explosion hazard. Tank headspaces should be regarded a potentially flammable, since the oil's flash point can not be regarded as a reliable indicator of the potential flammability in tank headspaces.

EXTINGUISHING MEDIA
SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray, fire fighting foam, or Halon.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

FIRE FIGHTING INSTRUCTIONS
Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment.

Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing.

Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

See Section 16 for the NFPA 704 Hazard Rating.

6. ACCIDENTAL RELEASE MEASURES

ACTIVATE FACILITY'S SPILL CONTINGENCY OR EMERGENCY RESPONSE PLAN.

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas.

Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors.

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal. Response and clean-up crews must be properly trained and must utilize proper protective equipment.

7. HANDLING and STORAGE

HANDLING PRECAUTIONS

Handle as a combustible liquid. Keep away from heat, sparks, and open flame! Electrical equipment should be approved for classified area. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

STORAGE PRECAUTIONS

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks". See also Section 5 regarding flammable vapor accumulation in tank headspaces.

Hydrogen sulfide may accumulate in tanks and bulk transport compartments. Consider appropriate respiratory protection (see Section 8). Stand upwind. Avoid vapors when opening hatches and dome covers. Confined spaces should be ventilated prior to entry.

WORK/HYGIENIC PRACTICES

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use gasoline or solvents (naphtha, kerosene, etc.) for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

OTHER/GENERAL PROTECTION

Petroleum industry experience indicates that a program providing for good personal hygiene, proper use of personal protective equipment, and minimizing the repeated and prolonged exposure to liquids and fumes, as outlined in this MSDS, is effective in reducing or eliminating the carcinogenic risk of high boiling aromatic oils (polynuclear aromatic hydrocarbons) to humans.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

EXPOSURE LIMITS

Components (CAS No.)	Source	Exposure Limits TWA/STEL	Note
Fuel Oil, Residual (68476-33-5)	OSHA	5 mg/m^3 (as oil mist) TWA	
	ACGIH	0.2 mg/m^3 (as mineral oil) TWA	A2
Hydrogen Sulfide -H_2S (7783-06-4)	OSHA	20 ppm Ceiling / 50 ppm Peak	
	ACGIH	10 ppm TWA/ 15 ppm STEL	2006 NOIC – 1/5 ppm
Polycyclic Aromatic Compounds	OSHA	----------	
	ACGIH	ACGIH TLV-TWA/STEL: 5 mg/m^3 Sum of 15 NTP-listed polynuclear aromatic hydrocarbons 0.005 mg/m^3	A1

ENGINEERING CONTROLS

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

EYE/FACE PROTECTION

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying

SKIN PROTECTION

Gloves constructed of nitrile, neoprene, or PVC are recommended. Chemical protective clothing such as of E.I. DuPont Tyvek QC®, Saranex®, TyChem® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information

RESPIRATORY PROTECTION

If a hydrogen sulfide hazard is present (that is, exposure potential above H_2S permissible exposure limit), use a positive-pressure SCBA or Type C supplied air respirator with escape bottle.

Where it has been determined that there is no hydrogen sulfide exposure hazard (that is, exposure potential below H_2S permissible exposure limit), a NIOSH/ MSHA-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited. Refer to OSHA 29 CFR 1910.134, ANSI Z88.2-1992, NIOSH Respirator Decision Logic, and the manufacturer for additional guidance on respiratory protection selection.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

WORK/HYGIENIC PRACTICES

Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure. Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use gasoline or solvents (naphtha, kerosene, etc.) for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves.

OTHER/GENERAL PROTECTION
Petroleum industry experience indicates that a program providing for good personal hygiene, proper use of personal protective equipment, and minimizing repeated and prolonged contact to liquid and fumes, as outlined in this MSDS, is effective in reducing or eliminating the carcinogenic risk of high boiling aromatic oils (polynuclear aromatic hydrocarbons, or PNAs) to humans.

FUEL OIL ASH PRODUCTS
Personnel exposed to ash should wear appropriate protective clothing (example, DuPont Tyvek ®), wash skin thoroughly, launder contaminated clothing separately, and wear respiratory protection approved for use against toxic metal dusts (such as HEPA filter cartridges). Wetted-down combustion ash may evolve toxic hydrogen sulfide (H_2S) - confined spaces should be tested for H_2S prior to entry if ash is wetted.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE
A dark brown to black liquid; fluid at room temperature

ODOR
Characteristic petroleum/asphalt odor

Hydrogen sulfide (H_2S) has a rotten egg “sulfurous” odor. This odor should not be used as a warning property of toxic levels because H_2S can overwhelm and deaden the sense of smell. Also, the odor of H_2S in heavy oils can easily be masked by the petroleum-like odor of the oil. Therefore, the smell of H_2S should not be used as an indicator of a hazardous condition - a H_2S meter or colorimetric indicating tubes are typically used to determine the concentration of H_2S.

BASIC PHYSICAL PROPERTIES

BOILING RANGE:	> 500 °F (260 °C)
VAPOR PRESSURE:	< 0.1 psia @ 70 °F (21 °C)
VAPOR DENSITY (air = 1):	NA
SPECIFIC GRAVITY (H_2O = 1):	Minimum 1.052 - 1.000 @ 60 °F (16 °C) (API gravity 3 - 10)
PERCENT VOLATILES:	Negligible
EVAPORATION RATE:	Negligible
SOLUBILITY (H_2O):	Negligible

10. STABILITY and REACTIVITY

STABILITY: Stable. Hazardous polymerization will not occur.

CONDITIONS TO AVOID and INCOMPATIBLE MATERIALS
Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources. Keep away from strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

11. TOXICOLOGICAL PROPERTIES

CHRONIC EFFECTS AND CARCINOGENICITY
OSHA: NO **IARC:** 2B (animal) **NTP:** YES **ACGIH:** A1 (NOIC)

This material contains polynuclear aromatic hydrocarbons (PNAs), some of which are animal carcinogens. Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation.

The presence of carcinogenic PNAs indicates that precautions should be taken to minimize repeated and prolonged inhalation of fumes or mists.

MUTAGENICITY (genetic effects)
Materials of similar composition have been positive in mutagenicity studies.

12. ECOLOGICAL INFORMATION

Keep out of sewers, drainage and waterways. Report spills and releases, as applicable, under Federal and State regulations.

13. DISPOSAL CONSIDERATIONS

Consult federal, state and local waste regulations to determine appropriate disposal options.

14. TRANSPORTATION INFORMATION

	BULK Shipment	Non- BULK Shipment
PROPER SHIPPING NAME:	Combustible liquid, n.o.s. (Diesel Fuel)	Not Regulated
HAZARD CLASS and PACKING GROUP:	Combustible Liquid, PG III	N/A
DOT IDENTIFICATION NUMBER:	NA 1993	N/A
DOT SHIPPING LABEL:	Combustible Liquid	N/A

15. REGULATORY INFORMATION

U.S. FEDERAL, STATE and LOCAL REGULATORY INFORMATION
This product and its constituents listed herein are on the EPA TSCA Inventory. Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other regulations at the state and/or local level. Consult those regulations applicable to your facility/operation.

CLEAN WATER ACT (OIL SPILLS)
Any spill or release of this product to "navigable waters" (essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

CERCLA SECTION 103 and SARA SECTION 304 (RELEASE TO THE ENVIRONMENT)
The CERCLA definition of hazardous substances contains a “petroleum exclusion” clause which exempts crude oil, refined, and unrefined petroleum products and any indigenous components of such. However, other federal reporting requirements (e.g., SARA Section 304 as well as the Clean Water Act if the spill occurs on navigable waters) may still apply.

SARA SECTION 311/312 - HAZARD CLASSES

ACUTE HEALTH	CHRONIC HEALTH	FIRE	SUDDEN RELEASE OF PRESSURE	REACTIVE
X	X	X	--	--

SARA SECTION 313 - SUPPLIER NOTIFICATION
According to the US EPA guidance documents for reporting Persistent Bioaccumulating Toxics (PBTs), this product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

INGREDIENT NAME	CONCENTRATION PERCENT BY WEIGHT
Polycyclic aromatic compounds (PACs)	≤ 1.5

CALIFORNIA PROPOSITON 65 LIST OF CHEMICALS
This product contains the following chemicals that are included on the Proposition 65 "List of Chemicals" required by the California Safe Drinking Water and Toxic Enforcement Act of 1986:

INGREDIENT NAME (CAS NUMBER)	**Date Listed**
Residual Fuel Oil (no CAS Number listed)	10/01/1990

CANADIAN REGULATORY INFORMATION (WHMIS)
Class B, Division 3 (Combustible Liquid)

16. OTHER INFORMATION

NFPA® HAZARD RATING	HEALTH:	0	
	FIRE:	2	
	REACTIVITY:	0	

Refer to NFPA 704 “Identification of the Fire Hazards of Materials” for further information

HMIS® HAZARD RATING	HEALTH:	1*	Slight
	FIRE:	2	Moderate
	PHYSICAL:	0	Negligible
			*Chronic

SPECIAL HAZARDS: Container vapor space may contain hydrogen sulfide (poison gas).

SUPERSEDES MSDS DATED: 1/22/99

ABBREVIATIONS:

AP = Approximately	< = Less than	> = Greater than
N/A = Not Applicable	N/D = Not Determined	ppm = parts per million

ACRONYMS:

ACGIH	American Conference of Governmental Industrial Hygienists	NIOSH	National Institute of Occupational Safety and Health
AIHA	American Industrial Hygiene Association	NOIC	Notice of Intended Change (proposed change to ACGIH TLV)
ANSI	American National Standards Institute (212)642-4900	NTP	National Toxicology Program
API	American Petroleum Institute (202)682-8000	OPA	Oil Pollution Act of 1990
CERCLA	Comprehensive Emergency Response, Compensation, and Liability Act	OSHA	U.S. Occupational Safety & Health Administration
DOT	U.S. Department of Transportation [General info: (800)467-4922]	PEL	Permissible Exposure Limit (OSHA)
EPA	U.S. Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act
HMIS	Hazardous Materials Information System	REL	Recommended Exposure Limit (NIOSH)
IARC	International Agency For Research On Cancer	SARA	Superfund Amendments and Reauthorization Act of 1986 Title III
MSHA	Mine Safety and Health Administration	SCBA	Self-Contained Breathing Apparatus
NFPA	National Fire Protection Association (617)770-3000	SPCC	Spill Prevention, Control, and Countermeasures
		STEL	Short-Term Exposure Limit (generally 15 minutes)

TLV	Threshold Limit Value (ACGIH)	WEEL	Workplace Environmental Exposure Level (AIHA)
TSCA	Toxic Substances Control Act	WHMIS	Canadian Workplace Hazardous Materials Information System
TWA	Time Weighted Average (8 hr.)		

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

July 29, 2010

John Bailey
Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143

Project Location: Uxbridge, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 10G0657

Enclosed are results of analyses for samples received by the laboratory on July 21, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143
ATTN: John Bailey

REPORT DATE: 7/29/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10G0657

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Uxbridge, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CMW-6	10G0657-01	Ground Water		MADEP-EPH-04-1.1	
				SW-846 8270C	
CMW-4	10G0657-02	Ground Water		MADEP-EPH-04-1.1	
				SW-846 8270C	
CMW-5	10G0657-03	Ground Water		MADEP-EPH-04-1.1	
				SW-846 8270C	
CMW-5D	10G0657-04	Ground Water		MADEP-EPH-04-1.1	
				SW-846 8270C	
MW-302	10G0657-05	Ground Water		MADEP-EPH-04-1.1	
				SW-846 8270C	
MW-303	10G0657-06	Ground Water		EPA 420.1	
				MADEP-EPH-04-1.1	
				SM18-20 2540D	
				SW-846 6010B	
				SW-846 7470A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	
MW-304	10G0657-07	Ground Water		EPA 420.1	
				MADEP-EPH-04-1.1	
				SM18-20 2540D	
				SW-846 6010B	
				SW-846 7470A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only RCRA 8 metals were requested and reported.

For method 8270, only PAHs were requested and reported.

SW-846 6010B

Qualifications:

Analyte is found in the associated blank as well as in the sample.

Analyte & Samples(s) Qualified:

Silver

B016656-BS1, B016656-BSD1

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

trans-1,3-Dichloropropene

B016664-BS1, B016664-BSD1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Naphthalene

10G0657-07[MW-304], B016724-BLK1, B016724-BS1, B016724-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane, trans-1,3-Dichloropropene, Trichlorofluoromethane (Freon 11)

B016664-BS1, B016724-BS1

Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:

Bromomethane

B016724-BS1

Elevated reporting limit based on lowest point in calibration.
Requested detection limit not met.

Analyte & Samples(s) Qualified:

Methylene Chloride

10G0657-07[MW-304], B016724-BLK1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), Bromoform, Naphthalene, Tetrahydrofuran

10G0657-06[MW-303], 10G0657-07[MW-304], B016664-BLK1, B016664-BS1, B016664-BSD1, B016724-BLK1, B016724-BS1, B016724-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

1,1,1-Trichloroethane, 2,2-Dichloropropane, Diisopropyl Ether (DIPE), trans-1,2-Dichloroethylene, trans-1,3-Dichloropropene, Trichlorofluoromethane (Freon 11)

B016724-BS1, B016724-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, Acetone

10G0657-06[MW-303], 10G0657-07[MW-304], B016664-BLK1, B016664-BS1, B016664-BSD1, B016724-BLK1, B016724-BS1, B016724-BSD1

SW-846 8270C

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene

B016769-BS1, B016769-BSD1, 10G0657-02[CMW-4]

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: CMW-6 | Sampled: 7/21/2010 12:00

Sample ID: 10G0657-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzo(a)anthracene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/27/10 1:03	BGL
Benzo(a)pyrene	ND	0.10	µg/L	1		SW-846 8270C	7/23/10	7/27/10 1:03	BGL
Benzo(b)fluoranthene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/27/10 1:03	BGL
Benzo(g,h,i)perylene	ND	0.50	µg/L	1		SW-846 8270C	7/23/10	7/27/10 1:03	BGL
Benzo(k)fluoranthene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/27/10 1:03	BGL
Chrysene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/27/10 1:03	BGL
Dibenz(a,h)anthracene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/27/10 1:03	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/27/10 1:03	BGL

Surrogates	% Recovery	Recovery Limits	Flag		
o-Terphenyl (OTP)	80.2	30-130			7/27/10 1:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: CMW-6 | Sampled: 7/21/2010 12:00

Sample ID: 10G0657-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:37	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	64.3	40-140		7/27/10 16:37
o-Terphenyl (OTP)	97.4	40-140		7/27/10 16:37
2-Bromonaphthalene	110	40-140		7/27/10 16:37
2-Fluorobiphenyl	108	40-140		7/27/10 16:37

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: CMW-4 | Sampled: 7/21/2010 12:15

Sample ID: 10G0657-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzo(a)anthracene	0.25	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:05	BGL
Benzo(a)pyrene	0.19	0.10	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:05	BGL
Benzo(b)fluoranthene	0.22	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:05	BGL
Benzo(g,h,i)perylene	ND	0.50	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:05	BGL
Benzo(k)fluoranthene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:05	BGL
Chrysene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:05	BGL
Dibenz(a,h)anthracene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:05	BGL
Indeno(1,2,3-cd)pyrene	0.45	0.20	µg/L	1	V-06	SW-846 8270C	7/23/10	7/28/10 16:05	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl (OTP)	67.8	30-130		7/28/10 16:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: CMW-4 | Sampled: 7/21/2010 12:15

Sample ID: 10G0657-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 16:59	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	75.3	40-140		7/27/10 16:59
o-Terphenyl (OTP)	92.1	40-140		7/27/10 16:59
2-Bromonaphthalene	103	40-140		7/27/10 16:59
2-Fluorobiphenyl	105	40-140		7/27/10 16:59

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: CMW-5 | Sampled: 7/21/2010 13:00

Sample ID: 10G0657-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzo(a)anthracene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:40	BGL
Benzo(a)pyrene	ND	0.10	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:40	BGL
Benzo(b)fluoranthene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:40	BGL
Benzo(g,h,i)perylene	ND	0.50	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:40	BGL
Benzo(k)fluoranthene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:40	BGL
Chrysene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:40	BGL
Dibenz(a,h)anthracene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:40	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 16:40	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl (OTP)	80.0	30-130		7/28/10 16:40

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: CMW-5 | Sampled: 7/21/2010 13:00

Sample ID: 10G0657-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:20	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	69.0	40-140		7/27/10 17:20
o-Terphenyl (OTP)	96.2	40-140		7/27/10 17:20
2-Bromonaphthalene	107	40-140		7/27/10 17:20
2-Fluorobiphenyl	107	40-140		7/27/10 17:20

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: CMW-5D | Sampled: 7/21/2010 13:15

Sample ID: 10G0657-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzo(a)anthracene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:14	BGL
Benzo(a)pyrene	ND	0.10	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:14	BGL
Benzo(b)fluoranthene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:14	BGL
Benzo(g,h,i)perylene	ND	0.50	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:14	BGL
Benzo(k)fluoranthene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:14	BGL
Chrysene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:14	BGL
Dibenz(a,h)anthracene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:14	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:14	BGL

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl (OTP)	82.5	30-130				7/28/10 17:14	

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: CMW-5D | Sampled: 7/21/2010 13:15

Sample ID: 10G0657-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 17:41	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	71.4	40-140		7/27/10 17:41
o-Terphenyl (OTP)	96.8	40-140		7/27/10 17:41
2-Bromonaphthalene	114	40-140		7/27/10 17:41
2-Fluorobiphenyl	114	40-140		7/27/10 17:41

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-302 | Sampled: 7/21/2010 14:00

Sample ID: 10G0657-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzo(a)anthracene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:49	BGL
Benzo(a)pyrene	ND	0.10	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:49	BGL
Benzo(b)fluoranthene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:49	BGL
Benzo(g,h,i)perylene	ND	0.50	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:49	BGL
Benzo(k)fluoranthene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:49	BGL
Chrysene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:49	BGL
Dibenz(a,h)anthracene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:49	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 17:49	BGL

Surrogates	% Recovery	Recovery Limits	Flag		
o-Terphenyl (OTP)	86.2	30-130			7/28/10 17:49

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-302 | Sampled: 7/21/2010 14:00

Sample ID: 10G0657-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:03	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	69.3	40-140		7/27/10 18:03
o-Terphenyl (OTP)	101	40-140		7/27/10 18:03
2-Bromonaphthalene	112	40-140		7/27/10 18:03
2-Fluorobiphenyl	112	40-140		7/27/10 18:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-303 | Sampled: 7/21/2010 14:15

Sample ID: 10G0657-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260B	7/23/10	7/23/10 19:22	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Bromoform	ND	1.0	µg/L	1	V-05	SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-05	SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-303 | Sampled: 7/21/2010 14:15

Sample ID: 10G0657-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Naphthalene	ND	2.0	µg/L	1	V-05	SW-846 8260B	7/23/10	7/23/10 19:22	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Tetrahydrofuran	ND	2.0	µg/L	1	V-05	SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1	V-05	SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	7/23/10	7/23/10 19:22	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	109	70-130		7/23/10 19:22
Toluene-d8	101	70-130		7/23/10 19:22
4-Bromofluorobenzene	95.8	70-130		7/23/10 19:22

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-303 | Sampled: 7/21/2010 14:15

Sample ID: 10G0657-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzo(a)anthracene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:23	BGL
Benzo(a)pyrene	ND	0.10	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:23	BGL
Benzo(b)fluoranthene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:23	BGL
Benzo(g,h,i)perylene	ND	0.50	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:23	BGL
Benzo(k)fluoranthene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:23	BGL
Chrysene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:23	BGL
Dibenz(a,h)anthracene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:23	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl (OTP)	82.8	30-130		7/28/10 18:23

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Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 17:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	75.0	30-150		7/26/10 17:52
Decachlorobiphenyl [2]	66.5	30-150		7/26/10 17:52
Tetrachloro-m-xylene [1]	86.8	30-150		7/26/10 17:52
Tetrachloro-m-xylene [2]	81.6	30-150		7/26/10 17:52

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Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	ND	0.20	mg/L	1		SW-846 8100 Modified	7/26/10	7/26/10 18:02	CJM

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Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:24	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	91.5	40-140		7/27/10 18:24
o-Terphenyl (OTP)	103	40-140		7/27/10 18:24
2-Bromonaphthalene	110	40-140		7/27/10 18:24
2-Fluorobiphenyl	111	40-140		7/27/10 18:24

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Date Received: 7/21/2010

Field Sample #: MW-303 | Sampled: 7/21/2010 14:15

Sample ID: 10G0657-06

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	0.041	0.010	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:13	OP
Barium	0.098	0.050	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:13	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:13	OP
Chromium	0.015	0.010	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:13	OP
Lead	0.012	0.010	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:13	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/23/10	7/23/10 14:31	MPF
Selenium	ND	0.050	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:13	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:13	OP

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Sample ID: 10G0657-06

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Phenol	0.15	0.050	mg/L	1		EPA 420.1	7/28/10	7/28/10 17:45	SBP
Total Suspended Solids	420	10	mg/L	1		SM18-20 2540D	7/23/10	7/23/10 16:30	LL

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-304 | Sampled: 7/21/2010 14:45

Sample ID: 10G0657-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260B	7/26/10	7/26/10 14:42	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Benzene	2.4	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-304 | Sampled: 7/21/2010 14:45

Sample ID: 10G0657-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Methylene Chloride	ND	5.0	µg/L	1	RL-03	SW-846 8260B	7/26/10	7/26/10 14:42	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Naphthalene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	7/26/10	7/26/10 14:42	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Tetrahydrofuran	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1	V-05	SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	7/26/10	7/26/10 14:42	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	105	70-130		7/26/10 14:42
Toluene-d8	102	70-130		7/26/10 14:42
4-Bromofluorobenzene	99.0	70-130		7/26/10 14:42

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-304 | Sampled: 7/21/2010 14:45

Sample ID: 10G0657-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzo(a)anthracene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:57	BGL
Benzo(a)pyrene	ND	0.10	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:57	BGL
Benzo(b)fluoranthene	ND	0.050	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:57	BGL
Benzo(g,h,i)perylene	ND	0.50	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:57	BGL
Benzo(k)fluoranthene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:57	BGL
Chrysene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:57	BGL
Dibenz(a,h)anthracene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:57	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L	1		SW-846 8270C	7/23/10	7/28/10 18:57	BGL

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl (OTP)	83.2	30-130				7/28/10 18:57	

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-304 | Sampled: 7/21/2010 14:45

Sample ID: 10G0657-07

Sample Matrix: Ground Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082	7/24/10	7/26/10 18:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	47.4	30-150		7/26/10 18:07
Decachlorobiphenyl [2]	42.7	30-150		7/26/10 18:07
Tetrachloro-m-xylene [1]	61.7	30-150		7/26/10 18:07
Tetrachloro-m-xylene [2]	60.1	30-150		7/26/10 18:07

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-304 | Sampled: 7/21/2010 14:45

Sample ID: 10G0657-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	0.22	0.20	mg/L	1		SW-846 8100 Modified	7/26/10	7/26/10 18:20	CJM

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-304 | Sampled: 7/21/2010 14:45

Sample ID: 10G0657-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Unadjusted C11-C22 Aromatics	180	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
C11-C22 Aromatics	180	100	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Fluorene	2.1	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	7/23/10	7/27/10 18:45	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	81.0	40-140		7/27/10 18:45
o-Terphenyl (OTP)	103	40-140		7/27/10 18:45
2-Bromonaphthalene	109	40-140		7/27/10 18:45
2-Fluorobiphenyl	111	40-140		7/27/10 18:45

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-304 | Sampled: 7/21/2010 14:45

Sample ID: 10G0657-07

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	0.010	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:19	OP
Barium	ND	0.050	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:18	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:19	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:19	OP
Lead	ND	0.010	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:19	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	7/23/10	7/23/10 14:33	MPF
Selenium	ND	0.050	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:19	OP
Silver	ND	0.0050	mg/L	1		SW-846 6010B	7/23/10	7/26/10 18:18	OP

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Project Location: Uxbridge, MA | Sample Description: | Work Order: 10G0657

Date Received: 7/21/2010

Field Sample #: MW-304 | Sampled: 7/21/2010 14:45

Sample ID: 10G0657-07

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Phenol	0.077	0.050	mg/L	1		EPA 420.1	7/28/10	7/28/10 17:45	SBP
Total Suspended Solids	31	6.7	mg/L	1		SM18-20 2540D	7/23/10	7/23/10 16:30	LL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

EPA 420.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-06 [MW-303]	B016932	50.0	50.0	07/28/10
10G0657-07 [MW-304]	B016932	50.0	50.0	07/28/10

Prep Method: SW-846 3510C-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-01 [CMW-6]	B016661	1000	2.00	07/23/10
10G0657-02 [CMW-4]	B016661	500	1.00	07/23/10
10G0657-03 [CMW-5]	B016661	1000	2.00	07/23/10
10G0657-04 [CMW-5D]	B016661	1000	2.00	07/23/10
10G0657-05 [MW-302]	B016661	1000	2.00	07/23/10
10G0657-06 [MW-303]	B016661	1000	2.00	07/23/10
10G0657-07 [MW-304]	B016661	1000	2.00	07/23/10

SM18-20 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
10G0657-06 [MW-303]	B016778	50.0	07/23/10
10G0657-07 [MW-304]	B016778	75.0	07/23/10

Prep Method: SW-846 3005A-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-06 [MW-303]	B016656	50.0	50.0	07/23/10
10G0657-07 [MW-304]	B016656	50.0	50.0	07/23/10

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-06 [MW-303]	B016657	6.00	6.00	07/23/10
10G0657-07 [MW-304]	B016657	6.00	6.00	07/23/10

Prep Method: SW-846 3510C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-06 [MW-303]	B016708	1000	10.0	07/24/10
10G0657-07 [MW-304]	B016708	1000	10.0	07/24/10

Prep Method: SW-846 3510C-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-06 [MW-303]	B016733	1000	1.00	07/26/10
10G0657-07 [MW-304]	B016733	1000	1.00	07/26/10

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-06 [MW-303]	B016664	5	5.00	07/23/10

Prep Method: SW-846 5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-07 [MW-304]	B016724	5	5.00	07/26/10

Prep Method: SW-846 3510C-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10G0657-01 [CMW-6]	B016769	1000	1.00	07/23/10
10G0657-02 [CMW-4]	B016769	500	0.500	07/23/10
10G0657-03 [CMW-5]	B016769	1000	1.00	07/23/10
10G0657-04 [CMW-5D]	B016769	1000	1.00	07/23/10
10G0657-05 [MW-302]	B016769	1000	1.00	07/23/10
10G0657-06 [MW-303]	B016769	1000	1.00	07/23/10
10G0657-07 [MW-304]	B016769	1000	1.00	07/23/10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016664 - SW-846 5030B										
Blank (B016664-BLK1)				Prepared & Analyzed: 07/23/10						
Acetone	ND	10	µg/L							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							V-05
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	10	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	2.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B016664 - SW-846 5030B											
Blank (B016664-BLK1)				Prepared & Analyzed: 07/23/10							
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	2.0	µg/L							V-05	
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	2.0	µg/L							V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*25.9*		µg/L	25.0		104	70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.0	70-130				
LCS (B016664-BS1)				Prepared & Analyzed: 07/23/10							
Acetone	131	10	µg/L	100		131	40-160			V-16	†
tert-Amyl Methyl Ether (TAME)	11.3	0.50	µg/L	10.0		113	70-130				
Benzene	11.2	1.0	µg/L	10.0		112	70-130				
Bromobenzene	10.6	1.0	µg/L	10.0		106	70-130				
Bromochloromethane	11.2	1.0	µg/L	10.0		112	70-130				
Bromodichloromethane	10.6	1.0	µg/L	10.0		106	70-130				
Bromoform	9.46	1.0	µg/L	10.0		94.6	70-130			V-05	
Bromomethane	7.73	2.0	µg/L	10.0		77.3	40-160				†
2-Butanone (MEK)	122	10	µg/L	100		122	40-160				†
n-Butylbenzene	11.1	1.0	µg/L	10.0		111	70-130				
sec-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130				
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130				
tert-Butyl Ethyl Ether (TBEE)	11.9	0.50	µg/L	10.0		119	70-130				
Carbon Disulfide	12.6	2.0	µg/L	10.0		126	70-130				
Carbon Tetrachloride	11.4	1.0	µg/L	10.0		114	70-130				
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
Chlorodibromomethane	10.9	0.50	µg/L	10.0		109	70-130				
Chloroethane	12.0	2.0	µg/L	10.0		120	70-130				
Chloroform	11.5	2.0	µg/L	10.0		115	70-130				
Chloromethane	10.8	2.0	µg/L	10.0		108	40-160				†
2-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130				
4-Chlorotoluene	11.2	1.0	µg/L	10.0		112	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.84	2.0	µg/L	10.0		88.4	70-130			V-05	
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106	70-130				
Dibromomethane	10.8	1.0	µg/L	10.0		108	70-130				
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B016664 - SW-846 5030B												
LCS (B016664-BS1)				Prepared & Analyzed: 07/23/10								
Dichlorodifluoromethane (Freon 12)	11.6	2.0	µg/L	10.0		116		40-160				†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111		70-130				
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109		70-130				
1,1-Dichloroethylene	11.9	1.0	µg/L	10.0		119		70-130				
cis-1,2-Dichloroethylene	11.8	1.0	µg/L	10.0		118		70-130				
trans-1,2-Dichloroethylene	11.9	1.0	µg/L	10.0		119		70-130				
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104		70-130				
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107		70-130				
2,2-Dichloropropane	13.1	1.0	µg/L	10.0		**131**	*	70-130			L-07	
1,1-Dichloropropene	11.4	2.0	µg/L	10.0		114		70-130				
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111		70-130				
trans-1,3-Dichloropropene	14.0	0.50	µg/L	10.0		**140**	*	70-130			L-02	
Diethyl Ether	11.7	2.0	µg/L	10.0		117		70-130				
Diisopropyl Ether (DIPE)	12.8	0.50	µg/L	10.0		128		70-130				
1,4-Dioxane	98.9	50	µg/L	100		98.9		40-160			V-16	†
Ethylbenzene	11.0	1.0	µg/L	10.0		110		70-130				
Hexachlorobutadiene	11.0	0.50	µg/L	10.0		110		70-130				
2-Hexanone (MBK)	120	10	µg/L	100		120		40-160				†
Isopropylbenzene (Cumene)	13.0	1.0	µg/L	10.0		130		70-130				
p-Isopropyltoluene (p-Cymene)	11.2	1.0	µg/L	10.0		112		70-130				
Methyl tert-Butyl Ether (MTBE)	11.8	1.0	µg/L	10.0		118		70-130				
Methylene Chloride	10.5	5.0	µg/L	10.0		105		70-130				
4-Methyl-2-pentanone (MIBK)	114	10	µg/L	100		114		40-160				†
Naphthalene	8.46	2.0	µg/L	10.0		84.6		70-130			V-05	
n-Propylbenzene	11.3	1.0	µg/L	10.0		113		70-130				
Styrene	11.2	1.0	µg/L	10.0		112		70-130				
1,1,1,2-Tetrachloroethane	10.8	1.0	µg/L	10.0		108		70-130				
1,1,2,2-Tetrachloroethane	10.6	0.50	µg/L	10.0		106		70-130				
Tetrachloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
Tetrahydrofuran	10.4	2.0	µg/L	10.0		104		70-130			V-05	
Toluene	11.2	1.0	µg/L	10.0		112		70-130				
1,2,3-Trichlorobenzene	8.75	2.0	µg/L	10.0		87.5		70-130			V-05	
1,2,4-Trichlorobenzene	9.20	1.0	µg/L	10.0		92.0		70-130			V-05	
1,1,1-Trichloroethane	11.9	1.0	µg/L	10.0		119		70-130				
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
Trichloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
Trichlorofluoromethane (Freon 11)	13.5	2.0	µg/L	10.0		**135**	*	70-130			L-07	
1,2,3-Trichloropropane	9.43	2.0	µg/L	10.0		94.3		70-130				
1,2,4-Trimethylbenzene	11.1	1.0	µg/L	10.0		111		70-130				
1,3,5-Trimethylbenzene	11.3	1.0	µg/L	10.0		113		70-130				
Vinyl Chloride	10.8	2.0	µg/L	10.0		108		70-130				
m+p Xylene	22.5	2.0	µg/L	20.0		112		70-130				
o-Xylene	11.1	1.0	µg/L	10.0		111		70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.7*		µg/L	25.0		98.7		70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B016664 - SW-846 5030B												
LCS Dup (B016664-BSD1)				Prepared & Analyzed: 07/23/10								
Acetone	121	10	µg/L	100		121		40-160	7.54	20	V-16	†
tert-Amyl Methyl Ether (TAME)	11.2	0.50	µg/L	10.0		112		70-130	0.975	20		
Benzene	10.9	1.0	µg/L	10.0		109		70-130	2.80	20		
Bromobenzene	10.2	1.0	µg/L	10.0		102		70-130	3.08	20		
Bromochloromethane	11.0	1.0	µg/L	10.0		110		70-130	1.71	20		
Bromodichloromethane	10.5	1.0	µg/L	10.0		105		70-130	1.52	20		
Bromoform	9.26	1.0	µg/L	10.0		92.6		70-130	2.14	20	V-05	
Bromomethane	7.94	2.0	µg/L	10.0		79.4		40-160	2.68	20		†
2-Butanone (MEK)	118	10	µg/L	100		118		40-160	3.86	20		†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130	7.18	20		
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105		70-130	6.29	20		
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102		70-130	7.10	20		
tert-Butyl Ethyl Ether (TBEE)	11.6	0.50	µg/L	10.0		116		70-130	2.04	20		
Carbon Disulfide	12.3	2.0	µg/L	10.0		123		70-130	2.41	20		
Carbon Tetrachloride	10.6	1.0	µg/L	10.0		106		70-130	7.08	20		
Chlorobenzene	10.1	1.0	µg/L	10.0		101		70-130	4.07	20		
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104		70-130	5.08	20		
Chloroethane	11.0	2.0	µg/L	10.0		110		70-130	8.26	20		
Chloroform	11.0	2.0	µg/L	10.0		110		70-130	4.44	20		
Chloromethane	10.6	2.0	µg/L	10.0		106		40-160	2.24	20		†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102		70-130	5.91	20		
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108		70-130	3.92	20		
1,2-Dibromo-3-chloropropane (DBCP)	9.10	2.0	µg/L	10.0		91.0		70-130	2.90	20	V-05	
1,2-Dibromoethane (EDB)	10.5	0.50	µg/L	10.0		105		70-130	0.664	20		
Dibromomethane	11.0	1.0	µg/L	10.0		110		70-130	2.29	20		
1,2-Dichlorobenzene	10.0	1.0	µg/L	10.0		100		70-130	5.15	20		
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102		70-130	3.76	20		
1,4-Dichlorobenzene	9.98	1.0	µg/L	10.0		99.8		70-130	4.60	20		
Dichlorodifluoromethane (Freon 12)	10.9	2.0	µg/L	10.0		109		40-160	6.66	20		†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130	4.71	20		
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130	2.51	20		
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115		70-130	3.84	20		
cis-1,2-Dichloroethylene	11.2	1.0	µg/L	10.0		112		70-130	4.78	20		
trans-1,2-Dichloroethylene	11.3	1.0	µg/L	10.0		113		70-130	5.00	20		
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104		70-130	0.385	20		
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130	2.84	20		
2,2-Dichloropropane	12.2	1.0	µg/L	10.0		122		70-130	7.27	20		
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106		70-130	6.63	20		
cis-1,3-Dichloropropene	10.7	0.50	µg/L	10.0		107		70-130	3.21	20		
trans-1,3-Dichloropropene	13.7	0.50	µg/L	10.0		**137**	*	70-130	2.17	20	L-02	
Diethyl Ether	11.3	2.0	µg/L	10.0		113		70-130	3.82	20		
Diisopropyl Ether (DIPE)	12.5	0.50	µg/L	10.0		125		70-130	2.46	20		
1,4-Dioxane	116	50	µg/L	100		116		40-160	16.0	20	V-16	†
Ethylbenzene	10.4	1.0	µg/L	10.0		104		70-130	5.42	20		
Hexachlorobutadiene	10.4	0.50	µg/L	10.0		104		70-130	5.13	20		
2-Hexanone (MBK)	116	10	µg/L	100		116		40-160	3.08	20		†
Isopropylbenzene (Cumene)	11.9	1.0	µg/L	10.0		119		70-130	8.28	20		
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105		70-130	6.90	20		
Methyl tert-Butyl Ether (MTBE)	11.6	1.0	µg/L	10.0		116		70-130	1.46	20		
Methylene Chloride	10.2	5.0	µg/L	10.0		102		70-130	2.13	20		
4-Methyl-2-pentanone (MIBK)	115	10	µg/L	100		115		40-160	0.245	20		†
Naphthalene	8.15	2.0	µg/L	10.0		81.5		70-130	3.73	20	V-05	

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016664 - SW-846 5030B										
LCS Dup (B016664-BSD1)				Prepared & Analyzed: 07/23/10						
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130	6.86	20	
Styrene	10.6	1.0	µg/L	10.0		106	70-130	6.07	20	
1,1,1,2-Tetrachloroethane	10.3	1.0	µg/L	10.0		103	70-130	4.37	20	
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104	70-130	1.62	20	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	6.48	20	
Tetrahydrofuran	9.96	2.0	µg/L	10.0		99.6	70-130	4.03	20	V-05
Toluene	10.6	1.0	µg/L	10.0		106	70-130	5.49	20	
1,2,3-Trichlorobenzene	8.74	2.0	µg/L	10.0		87.4	70-130	0.114	20	V-05
1,2,4-Trichlorobenzene	8.77	1.0	µg/L	10.0		87.7	70-130	4.79	20	V-05
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130	7.61	20	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0		103	70-130	1.63	20	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	4.96	20	
Trichlorofluoromethane (Freon 11)	12.3	2.0	µg/L	10.0		123	70-130	9.15	20	
1,2,3-Trichloropropane	9.37	2.0	µg/L	10.0		93.7	70-130	0.638	20	
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130	4.80	20	
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	5.16	20	
Vinyl Chloride	10.3	2.0	µg/L	10.0		103	70-130	4.35	20	
m+p Xylene	21.3	2.0	µg/L	20.0		106	70-130	5.57	20	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	6.04	20	
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102	70-130			
Batch B016724 - SW-846 5030B										
Blank (B016724-BLK1)				Prepared & Analyzed: 07/26/10						
Acetone	ND	10	µg/L							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	10	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	2.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016724 - SW-846 5030B										
Blank (B016724-BLK1)				Prepared & Analyzed: 07/26/10						
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							RL-03
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							L-04, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	*24.6*		µg/L	25.0		98.4	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B016724 - SW-846 5030B												
LCS (B016724-BS1)				Prepared & Analyzed: 07/26/10								
Acetone	96.4	10	µg/L	100		96.4		40-160			V-16	†
tert-Amyl Methyl Ether (TAME)	10.9	0.50	µg/L	10.0		109		70-130				
Benzene	10.7	1.0	µg/L	10.0		107		70-130				
Bromobenzene	9.44	1.0	µg/L	10.0		94.4		70-130				
Bromochloromethane	11.0	1.0	µg/L	10.0		110		70-130				
Bromodichloromethane	10.2	1.0	µg/L	10.0		102		70-130				
Bromoform	8.15	1.0	µg/L	10.0		81.5		70-130				
Bromomethane	6.13	2.0	µg/L	10.0		61.3		40-160			L-14	†
2-Butanone (MEK)	106	10	µg/L	100		106		40-160				†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
sec-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130				
tert-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
tert-Butyl Ethyl Ether (TBEE)	11.7	0.50	µg/L	10.0		117		70-130				
Carbon Disulfide	12.8	2.0	µg/L	10.0		128		70-130				
Carbon Tetrachloride	11.0	1.0	µg/L	10.0		110		70-130				
Chlorobenzene	9.41	1.0	µg/L	10.0		94.1		70-130				
Chlorodibromomethane	9.86	0.50	µg/L	10.0		98.6		70-130				
Chloroethane	11.6	2.0	µg/L	10.0		116		70-130				
Chloroform	11.0	2.0	µg/L	10.0		110		70-130				
Chloromethane	9.95	2.0	µg/L	10.0		99.5		40-160				†
2-Chlorotoluene	9.90	1.0	µg/L	10.0		99.0		70-130				
4-Chlorotoluene	10.0	1.0	µg/L	10.0		100		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.60	2.0	µg/L	10.0		86.0		70-130				
1,2-Dibromoethane (EDB)	9.85	0.50	µg/L	10.0		98.5		70-130				
Dibromomethane	9.87	1.0	µg/L	10.0		98.7		70-130				
1,2-Dichlorobenzene	9.27	1.0	µg/L	10.0		92.7		70-130				
1,3-Dichlorobenzene	9.63	1.0	µg/L	10.0		96.3		70-130				
1,4-Dichlorobenzene	9.23	1.0	µg/L	10.0		92.3		70-130				
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101		40-160				†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111		70-130				
1,2-Dichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112		70-130				
cis-1,2-Dichloroethylene	11.5	1.0	µg/L	10.0		115		70-130				
trans-1,2-Dichloroethylene	11.8	1.0	µg/L	10.0		118		70-130			V-06	
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102		70-130				
1,3-Dichloropropane	9.76	0.50	µg/L	10.0		97.6		70-130				
2,2-Dichloropropane	13.3	1.0	µg/L	10.0		**133**	*	70-130			L-07, V-06	
1,1-Dichloropropene	10.9	2.0	µg/L	10.0		109		70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105		70-130				
trans-1,3-Dichloropropene	13.2	0.50	µg/L	10.0		**132**	*	70-130			L-07, V-06	
Diethyl Ether	10.6	2.0	µg/L	10.0		106		70-130				
Diisopropyl Ether (DIPE)	12.6	0.50	µg/L	10.0		126		70-130			V-06	
1,4-Dioxane	99.6	50	µg/L	100		99.6		40-160			V-16	†
Ethylbenzene	9.77	1.0	µg/L	10.0		97.7		70-130				
Hexachlorobutadiene	9.86	0.50	µg/L	10.0		98.6		70-130				
2-Hexanone (MBK)	102	10	µg/L	100		102		40-160				†
Isopropylbenzene (Cumene)	11.3	1.0	µg/L	10.0		113		70-130				
p-Isopropyltoluene (p-Cymene)	10.1	1.0	µg/L	10.0		101		70-130				
Methyl tert-Butyl Ether (MTBE)	11.2	1.0	µg/L	10.0		112		70-130				
Methylene Chloride	10.2	5.0	µg/L	10.0		102		70-130				
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104		40-160				†
Naphthalene	6.67	2.0	µg/L	10.0		**66.7**	*	70-130			V-05, L-04	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B016724 - SW-846 5030B											
LCS (B016724-BS1)				Prepared & Analyzed: 07/26/10							
n-Propylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
Styrene	9.88	1.0	µg/L	10.0		98.8	70-130				
1,1,1,2-Tetrachloroethane	9.78	1.0	µg/L	10.0		97.8	70-130				
1,1,2,2-Tetrachloroethane	8.86	0.50	µg/L	10.0		88.6	70-130				
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Tetrahydrofuran	9.37	2.0	µg/L	10.0		93.7	70-130				
Toluene	10.4	1.0	µg/L	10.0		104	70-130				
1,2,3-Trichlorobenzene	7.14	2.0	µg/L	10.0		71.4	70-130			V-05	
1,2,4-Trichlorobenzene	7.77	1.0	µg/L	10.0		77.7	70-130				
1,1,1-Trichloroethane	11.6	1.0	µg/L	10.0		116	70-130			V-06	
1,1,2-Trichloroethane	9.61	1.0	µg/L	10.0		96.1	70-130				
Trichloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	12.7	2.0	µg/L	10.0		127	70-130			V-06	
1,2,3-Trichloropropane	7.84	2.0	µg/L	10.0		78.4	70-130				
1,2,4-Trimethylbenzene	10.0	1.0	µg/L	10.0		100	70-130				
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Vinyl Chloride	10.5	2.0	µg/L	10.0		105	70-130				
m+p Xylene	20.0	2.0	µg/L	20.0		100	70-130				
o-Xylene	9.77	1.0	µg/L	10.0		97.7	70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.7*		µg/L	25.0		98.8	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101	70-130				
LCS Dup (B016724-BSD1)				Prepared & Analyzed: 07/26/10							
Acetone	90.4	10	µg/L	100		90.4	40-160	6.37	20	V-16	†
tert-Amyl Methyl Ether (TAME)	11.1	0.50	µg/L	10.0		111	70-130	2.00	20		
Benzene	10.8	1.0	µg/L	10.0		108	70-130	1.02	20		
Bromobenzene	9.45	1.0	µg/L	10.0		94.5	70-130	0.106	20		
Bromochloromethane	11.0	1.0	µg/L	10.0		110	70-130	0.00	20		
Bromodichloromethane	10.2	1.0	µg/L	10.0		102	70-130	0.0985	20		
Bromoform	8.44	1.0	µg/L	10.0		84.4	70-130	3.50	20		
Bromomethane	7.34	2.0	µg/L	10.0		73.4	40-160	18.0	20		†
2-Butanone (MEK)	106	10	µg/L	100		106	40-160	0.321	20		†
n-Butylbenzene	9.80	1.0	µg/L	10.0		98.0	70-130	3.02	20		
sec-Butylbenzene	9.96	1.0	µg/L	10.0		99.6	70-130	2.97	20		
tert-Butylbenzene	9.81	1.0	µg/L	10.0		98.1	70-130	2.71	20		
tert-Butyl Ethyl Ether (TBEE)	11.6	0.50	µg/L	10.0		116	70-130	0.688	20		
Carbon Disulfide	11.5	2.0	µg/L	10.0		115	70-130	10.3	20		
Carbon Tetrachloride	10.7	1.0	µg/L	10.0		107	70-130	2.94	20		
Chlorobenzene	9.67	1.0	µg/L	10.0		96.7	70-130	2.73	20		
Chlorodibromomethane	10.1	0.50	µg/L	10.0		101	70-130	2.50	20		
Chloroethane	11.1	2.0	µg/L	10.0		111	70-130	3.88	20		
Chloroform	11.2	2.0	µg/L	10.0		112	70-130	1.99	20		
Chloromethane	10.3	2.0	µg/L	10.0		103	40-160	3.26	20		†
2-Chlorotoluene	9.85	1.0	µg/L	10.0		98.5	70-130	0.506	20		
4-Chlorotoluene	10.0	1.0	µg/L	10.0		100	70-130	0.00	20		
1,2-Dibromo-3-chloropropane (DBCP)	7.98	2.0	µg/L	10.0		79.8	70-130	7.48	20		
1,2-Dibromoethane (EDB)	9.68	0.50	µg/L	10.0		96.8	70-130	1.74	20		
Dibromomethane	9.96	1.0	µg/L	10.0		99.6	70-130	0.908	20		
1,2-Dichlorobenzene	9.22	1.0	µg/L	10.0		92.2	70-130	0.541	20		
1,3-Dichlorobenzene	9.48	1.0	µg/L	10.0		94.8	70-130	1.57	20		
1,4-Dichlorobenzene	9.26	1.0	µg/L	10.0		92.6	70-130	0.325	20		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B016724 - SW-846 5030B												
LCS Dup (B016724-BSD1)				Prepared & Analyzed: 07/26/10								
Dichlorodifluoromethane (Freon 12)	9.23	2.0	µg/L	10.0		92.3		40-160	8.70	20		†
1,1-Dichloroethane	10.9	1.0	µg/L	10.0		109		70-130	1.46	20		
1,2-Dichloroethane	10.4	1.0	µg/L	10.0		104		70-130	1.15	20		
1,1-Dichloroethylene	11.0	1.0	µg/L	10.0		110		70-130	2.34	20		
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114		70-130	1.13	20		
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116		70-130	1.88	20	V-06	
1,2-Dichloropropane	10.1	1.0	µg/L	10.0		101		70-130	1.38	20		
1,3-Dichloropropane	9.88	0.50	µg/L	10.0		98.8		70-130	1.22	20		
2,2-Dichloropropane	12.9	1.0	µg/L	10.0		129		70-130	3.28	20	V-06	
1,1-Dichloropropene	10.8	2.0	µg/L	10.0		108		70-130	1.10	20		
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130	0.568	20		
trans-1,3-Dichloropropene	13.0	0.50	µg/L	10.0		130		70-130	1.60	20	V-06	
Diethyl Ether	10.6	2.0	µg/L	10.0		106		70-130	0.378	20		
Diisopropyl Ether (DIPE)	12.5	0.50	µg/L	10.0		125		70-130	0.873	20	V-06	
1,4-Dioxane	113	50	µg/L	100		113		40-160	12.2	20	V-16	†
Ethylbenzene	9.85	1.0	µg/L	10.0		98.5		70-130	0.815	20		
Hexachlorobutadiene	9.79	0.50	µg/L	10.0		97.9		70-130	0.712	20		
2-Hexanone (MBK)	102	10	µg/L	100		102		40-160	0.0587	20		†
Isopropylbenzene (Cumene)	11.5	1.0	µg/L	10.0		115		70-130	1.23	20		
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100		70-130	0.994	20		
Methyl tert-Butyl Ether (MTBE)	11.3	1.0	µg/L	10.0		113		70-130	1.16	20		
Methylene Chloride	10.3	5.0	µg/L	10.0		103		70-130	0.585	20		
4-Methyl-2-pentanone (MIBK)	105	10	µg/L	100		105		40-160	1.74	20		†
Naphthalene	6.64	2.0	µg/L	10.0		**66.4**	*	70-130	0.451	20	L-04, V-05	
n-Propylbenzene	9.95	1.0	µg/L	10.0		99.5		70-130	1.79	20		
Styrene	9.82	1.0	µg/L	10.0		98.2		70-130	0.609	20		
1,1,1,2-Tetrachloroethane	9.80	1.0	µg/L	10.0		98.0		70-130	0.204	20		
1,1,2,2-Tetrachloroethane	9.07	0.50	µg/L	10.0		90.7		70-130	2.34	20		
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105		70-130	0.762	20		
Tetrahydrofuran	9.50	2.0	µg/L	10.0		95.0		70-130	1.38	20		
Toluene	10.6	1.0	µg/L	10.0		106		70-130	1.14	20		
1,2,3-Trichlorobenzene	7.18	2.0	µg/L	10.0		71.8		70-130	0.559	20	V-05	
1,2,4-Trichlorobenzene	7.73	1.0	µg/L	10.0		77.3		70-130	0.516	20		
1,1,1-Trichloroethane	11.3	1.0	µg/L	10.0		113		70-130	3.14	20	V-06	
1,1,2-Trichloroethane	9.67	1.0	µg/L	10.0		96.7		70-130	0.622	20		
Trichloroethylene	10.4	1.0	µg/L	10.0		104		70-130	1.05	20		
Trichlorofluoromethane (Freon 11)	12.5	2.0	µg/L	10.0		125		70-130	1.66	20	V-06	
1,2,3-Trichloropropane	7.79	2.0	µg/L	10.0		77.9		70-130	0.640	20		
1,2,4-Trimethylbenzene	9.88	1.0	µg/L	10.0		98.8		70-130	1.71	20		
1,3,5-Trimethylbenzene	10.0	1.0	µg/L	10.0		100		70-130	1.19	20		
Vinyl Chloride	10.4	2.0	µg/L	10.0		104		70-130	0.863	20		
m+p Xylene	20.0	2.0	µg/L	20.0		100		70-130	0.0499	20		
o-Xylene	9.97	1.0	µg/L	10.0		99.7		70-130	2.03	20		
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.4		70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016769 - SW-846 3510C										
Blank (B016769-BLK1)				Prepared: 07/23/10 Analyzed: 07/26/10						
Benzo(a)anthracene	ND	0.050	µg/L							
Benzo(a)pyrene	ND	0.10	µg/L							
Benzo(b)fluoranthene	ND	0.050	µg/L							
Benzo(g,h,i)perylene	ND	0.50	µg/L							
Benzo(k)fluoranthene	ND	0.20	µg/L							
Chrysene	ND	0.20	µg/L							
Dibenz(a,h)anthracene	ND	0.20	µg/L							
Indeno(1,2,3-cd)pyrene	ND	0.20	µg/L							
Surrogate: o-Terphenyl (OTP)	*74.5*		µg/L	100		74.5	30-130			
LCS (B016769-BS1)				Prepared: 07/23/10 Analyzed: 07/26/10						
Benzo(a)anthracene	84.0	2.5	µg/L	100		84.0	40-140			
Benzo(a)pyrene	104	5.0	µg/L	100		104	40-140			
Benzo(b)fluoranthene	84.0	2.5	µg/L	100		84.0	40-140			
Benzo(g,h,i)perylene	100	25	µg/L	100		100	40-140			
Benzo(k)fluoranthene	89.0	10	µg/L	100		89.0	40-140			
Chrysene	81.5	10	µg/L	100		81.5	40-140			
Dibenz(a,h)anthracene	110	10	µg/L	100		110	40-140			V-06
Indeno(1,2,3-cd)pyrene	114	10	µg/L	100		114	40-140			V-06
Surrogate: o-Terphenyl (OTP)	*85.5*		µg/L	100		85.5	30-130			
LCS Dup (B016769-BSD1)				Prepared: 07/23/10 Analyzed: 07/26/10						
Benzo(a)anthracene	81.5	2.5	µg/L	100		81.5	40-140	3.02	20	
Benzo(a)pyrene	98.5	5.0	µg/L	100		98.5	40-140	5.91	20	
Benzo(b)fluoranthene	81.0	2.5	µg/L	100		81.0	40-140	3.64	20	
Benzo(g,h,i)perylene	94.5	25	µg/L	100		94.5	40-140	5.66	20	
Benzo(k)fluoranthene	86.0	10	µg/L	100		86.0	40-140	3.43	20	
Chrysene	80.0	10	µg/L	100		80.0	40-140	1.86	20	
Dibenz(a,h)anthracene	106	10	µg/L	100		106	40-140	3.70	20	V-06
Indeno(1,2,3-cd)pyrene	109	10	µg/L	100		109	40-140	4.48	50	V-06 ‡
Surrogate: o-Terphenyl (OTP)	*81.0*		µg/L	100		81.0	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016708 - SW-846 3510C										
Blank (B016708-BLK1)				Prepared: 07/24/10 Analyzed: 07/26/10						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*2.06*		µg/L	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.83*		µg/L	2.00		91.3	30-150			
Surrogate: Tetrachloro-m-xylene	*2.07*		µg/L	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.95*		µg/L	2.00		97.7	30-150			
LCS (B016708-BS1)				Prepared: 07/24/10 Analyzed: 07/26/10						
Aroclor-1016	0.49	0.20	µg/L	0.500		97.8	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		104	40-140			
Aroclor-1260	0.43	0.20	µg/L	0.500		85.0	40-140			
Aroclor-1260 [2C]	0.53	0.20	µg/L	0.500		105	40-140			
Surrogate: Decachlorobiphenyl	*2.21*		µg/L	2.00		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.99*		µg/L	2.00		99.6	30-150			
Surrogate: Tetrachloro-m-xylene	*2.18*		µg/L	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.10*		µg/L	2.00		105	30-150			
LCS Dup (B016708-BSD1)				Prepared: 07/24/10 Analyzed: 07/26/10						
Aroclor-1016	0.53	0.20	µg/L	0.500		107	40-140	8.99	20	
Aroclor-1016 [2C]	0.58	0.20	µg/L	0.500		117	40-140	11.6	20	
Aroclor-1260	0.44	0.20	µg/L	0.500		87.2	40-140	2.60	20	
Aroclor-1260 [2C]	0.60	0.20	µg/L	0.500		120	40-140	12.6	20	
Surrogate: Decachlorobiphenyl	*2.37*		µg/L	2.00		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.15*		µg/L	2.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*1.86*		µg/L	2.00		92.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.27*		µg/L	2.00		114	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016733 - SW-846 3510C										
Blank (B016733-BLK1)				Prepared & Analyzed: 07/26/10						
TPH as Diesel	ND	0.20	mg/L							
LCS (B016733-BS1)				Prepared & Analyzed: 07/26/10						
TPH as Diesel	0.867	0.20	mg/L	1.00		86.7	40-140			
LCS Dup (B016733-BSD1)				Prepared & Analyzed: 07/26/10						
TPH as Diesel	0.950	0.20	mg/L	1.00		95.0	40-140	9.09	30	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016661 - SW-846 3510C										
Blank (B016661-BLK1)				Prepared: 07/23/10 Analyzed: 07/27/10						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Acenaphthylene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Benzo(a)anthracene	ND	2.0	µg/L							
Benzo(a)pyrene	ND	2.0	µg/L							
Benzo(b)fluoranthene	ND	2.0	µg/L							
Benzo(g,h,i)perylene	ND	2.0	µg/L							
Benzo(k)fluoranthene	ND	2.0	µg/L							
Chrysene	ND	2.0	µg/L							
Dibenz(a,h)anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Phenanthrene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*97.1*		µg/L	100		97.1	40-140			
Surrogate: o-Terphenyl (OTP)	*92.0*		µg/L	100		92.0	40-140			
Surrogate: 2-Bromonaphthalene	*106*		µg/L	100		106	40-140			
Surrogate: 2-Fluorobiphenyl	*105*		µg/L	100		105	40-140			
LCS (B016661-BS1)				Prepared: 07/23/10 Analyzed: 07/27/10						
C9-C18 Aliphatics	536	100	µg/L	600		89.3	40-140			
C19-C36 Aliphatics	875	100	µg/L	800		109	40-140			
Unadjusted C11-C22 Aromatics	1640	100	µg/L	1700		96.5	40-140			
Acenaphthene	87.6	2.0	µg/L	100		87.6	40-140			
Acenaphthylene	88.3	2.0	µg/L	100		88.3	40-140			
Anthracene	93.5	2.0	µg/L	100		93.5	40-140			
Benzo(a)anthracene	99.6	2.0	µg/L	100		99.6	40-140			
Benzo(a)pyrene	92.3	2.0	µg/L	100		92.3	40-140			
Benzo(b)fluoranthene	97.5	2.0	µg/L	100		97.5	40-140			
Benzo(g,h,i)perylene	95.5	2.0	µg/L	100		95.5	40-140			
Benzo(k)fluoranthene	96.1	2.0	µg/L	100		96.1	40-140			
Chrysene	94.5	2.0	µg/L	100		94.5	40-140			
Dibenz(a,h)anthracene	94.5	2.0	µg/L	100		94.5	40-140			
Fluoranthene	94.8	2.0	µg/L	100		94.8	40-140			
Fluorene	89.5	2.0	µg/L	100		89.5	40-140			
Indeno(1,2,3-cd)pyrene	93.6	2.0	µg/L	100		93.6	40-140			
2-Methylnaphthalene	85.7	2.0	µg/L	100		85.7	40-140			
Naphthalene	79.0	2.0	µg/L	100		79.0	40-140			
Phenanthrene	93.6	2.0	µg/L	100		93.6	40-140			
Pyrene	98.3	2.0	µg/L	100		98.3	40-140			
n-Decane	65.8	2.0	µg/L	100		65.8	40-140			
n-Docosane	104	2.0	µg/L	100		104	40-140			
n-Dodecane	76.4	2.0	µg/L	100		76.4	40-140			
n-Eicosane	105	2.0	µg/L	100		105	40-140			
n-Hexacosane	104	2.0	µg/L	100		104	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016661 - SW-846 3510C										
LCS (B016661-BS1)				Prepared: 07/23/10 Analyzed: 07/27/10						
n-Hexadecane	98.5	2.0	µg/L	100		98.5	40-140			
n-Hexatriacontane	108	2.0	µg/L	100		108	40-140			
n-Nonadecane	103	2.0	µg/L	100		103	40-140			
n-Nonane	51.1	2.0	µg/L	100		51.1	30-140			
n-Octacosane	102	2.0	µg/L	100		102	40-140			
n-Octadecane	100	2.0	µg/L	100		100	40-140			
n-Tetracosane	102	2.0	µg/L	100		102	40-140			
n-Tetradecane	91.7	2.0	µg/L	100		91.7	40-140			
n-Triacontane	102	2.0	µg/L	100		102	40-140			
Naphthalene-aliphatic fraction	0.00		µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	0.00		µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*85.1*		µg/L	100		85.1	40-140			
Surrogate: o-Terphenyl (OTP)	*91.5*		µg/L	100		91.5	40-140			
Surrogate: 2-Bromonaphthalene	*107*		µg/L	100		107	40-140			
Surrogate: 2-Fluorobiphenyl	*106*		µg/L	100		106	40-140			
LCS Dup (B016661-BSD1)				Prepared: 07/23/10 Analyzed: 07/27/10						
C9-C18 Aliphatics	543	100	µg/L	600		90.5	40-140	1.39	25	
C19-C36 Aliphatics	894	100	µg/L	800		112	40-140	2.18	25	
Unadjusted C11-C22 Aromatics	1610	100	µg/L	1700		94.5	40-140	2.11	25	
Acenaphthene	86.5	2.0	µg/L	100		86.5	40-140	1.36	25	
Acenaphthylene	87.6	2.0	µg/L	100		87.6	40-140	0.757	25	
Anthracene	91.5	2.0	µg/L	100		91.5	40-140	2.13	25	
Benzo(a)anthracene	96.6	2.0	µg/L	100		96.6	40-140	3.06	25	
Benzo(a)pyrene	89.6	2.0	µg/L	100		89.6	40-140	2.94	25	
Benzo(b)fluoranthene	94.6	2.0	µg/L	100		94.6	40-140	2.99	25	
Benzo(g,h,i)perylene	92.4	2.0	µg/L	100		92.4	40-140	3.36	25	
Benzo(k)fluoranthene	93.3	2.0	µg/L	100		93.3	40-140	2.90	25	
Chrysene	91.8	2.0	µg/L	100		91.8	40-140	2.93	25	
Dibenz(a,h)anthracene	91.9	2.0	µg/L	100		91.9	40-140	2.73	25	
Fluoranthene	92.1	2.0	µg/L	100		92.1	40-140	2.93	25	
Fluorene	88.3	2.0	µg/L	100		88.3	40-140	1.29	25	
Indeno(1,2,3-cd)pyrene	91.0	2.0	µg/L	100		91.0	40-140	2.88	25	
2-Methylnaphthalene	84.4	2.0	µg/L	100		84.4	40-140	1.44	25	
Naphthalene	77.2	2.0	µg/L	100		77.2	40-140	2.22	25	
Phenanthrene	91.4	2.0	µg/L	100		91.4	40-140	2.37	25	
Pyrene	95.4	2.0	µg/L	100		95.4	40-140	2.97	25	
n-Decane	64.6	2.0	µg/L	100		64.6	40-140	1.79	25	
n-Docosane	106	2.0	µg/L	100		106	40-140	1.41	25	
n-Dodecane	78.6	2.0	µg/L	100		78.6	40-140	2.84	25	
n-Eicosane	107	2.0	µg/L	100		107	40-140	1.70	25	
n-Hexacosane	106	2.0	µg/L	100		106	40-140	2.15	25	
n-Hexadecane	99.9	2.0	µg/L	100		99.9	40-140	1.42	25	
n-Hexatriacontane	111	2.0	µg/L	100		111	40-140	2.87	25	
n-Nonadecane	106	2.0	µg/L	100		106	40-140	2.18	25	
n-Nonane	47.8	2.0	µg/L	100		47.8	30-140	6.72	25	
n-Octacosane	104	2.0	µg/L	100		104	40-140	2.16	25	
n-Octadecane	102	2.0	µg/L	100		102	40-140	1.60	25	
n-Tetracosane	104	2.0	µg/L	100		104	40-140	1.93	25	
n-Tetradecane	94.3	2.0	µg/L	100		94.3	40-140	2.80	25	
n-Triacontane	104	2.0	µg/L	100		104	40-140	2.61	25	
Naphthalene-aliphatic fraction	0.00		µg/L	100			0-5			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016661 - SW-846 3510C										
LCS Dup (B016661-BSD1)				Prepared: 07/23/10 Analyzed: 07/27/10						
2-Methylnaphthalene-aliphatic fraction	0.00		µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*85.0*		µg/L	100		85.0	40-140			
Surrogate: o-Terphenyl (OTP)	*89.3*		µg/L	100		89.3	40-140			
Surrogate: 2-Bromonaphthalene	*101*		µg/L	100		101	40-140			
Surrogate: 2-Fluorobiphenyl	*101*		µg/L	100		101	40-140			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016656 - SW-846 3005A										
Blank (B016656-BLK1)				Prepared: 07/23/10 Analyzed: 07/26/10						
Arsenic	ND	0.010	mg/L							
Barium	ND	0.050	mg/L							
Cadmium	ND	0.0040	mg/L							
Chromium	ND	0.010	mg/L							
Lead	ND	0.010	mg/L							
Selenium	ND	0.050	mg/L							
Silver	0.0052	0.0050	mg/L							
LCS (B016656-BS1)				Prepared: 07/23/10 Analyzed: 07/26/10						
Arsenic	0.523	0.010	mg/L	0.500		105	80-120			
Barium	0.522	0.050	mg/L	0.500		104	80-120			
Cadmium	0.530	0.0040	mg/L	0.500		106	80-120			
Chromium	0.512	0.010	mg/L	0.500		102	80-120			
Lead	0.509	0.010	mg/L	0.500		102	80-120			
Selenium	0.526	0.050	mg/L	0.500		105	80-120			
Silver	0.518	0.0050	mg/L	0.500		104	80-120			B
LCS Dup (B016656-BSD1)				Prepared: 07/23/10 Analyzed: 07/26/10						
Arsenic	0.510	0.010	mg/L	0.500		102	80-120	2.60	20	
Barium	0.509	0.050	mg/L	0.500		102	80-120	2.47	20	
Cadmium	0.518	0.0040	mg/L	0.500		104	80-120	2.43	20	
Chromium	0.499	0.010	mg/L	0.500		99.9	80-120	2.47	20	
Lead	0.499	0.010	mg/L	0.500		99.7	80-120	2.05	20	
Selenium	0.514	0.050	mg/L	0.500		103	80-120	2.23	20	
Silver	0.507	0.0050	mg/L	0.500		101	80-120	2.00	20	B
Batch B016657 - SW-846 7470A Prep										
Blank (B016657-BLK1)				Prepared & Analyzed: 07/23/10						
Mercury	ND	0.00010	mg/L							
LCS (B016657-BS1)				Prepared & Analyzed: 07/23/10						
Mercury	0.00226	0.00010	mg/L	0.00200		113	80-120			
LCS Dup (B016657-BSD1)				Prepared & Analyzed: 07/23/10						
Mercury	0.00220	0.00010	mg/L	0.00200		110	80-120	2.86	20	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016778 - SM18-20 2540D										
Blank (B016778-BLK1)				Prepared & Analyzed: 07/23/10						
Total Suspended Solids	ND	2.5	mg/L							
Blank (B016778-BLK2)				Prepared & Analyzed: 07/23/10						
Total Suspended Solids	ND	2.5	mg/L							
LCS (B016778-BS1)				Prepared & Analyzed: 07/23/10						
Total Suspended Solids	201	5.0	mg/L	200		100	85.9-106			
LCS (B016778-BS2)				Prepared & Analyzed: 07/23/10						
Total Suspended Solids	189	5.0	mg/L	200		94.5	85.9-106			
Batch B016932 - EPA 420.1										
Blank (B016932-BLK1)				Prepared & Analyzed: 07/28/10						
Phenol	ND	0.050	mg/L							
LCS (B016932-BS1)				Prepared & Analyzed: 07/28/10						
Phenol	0.59	0.050	mg/L	0.500		117	93.3-132			
LCS Dup (B016932-BSD1)				Prepared & Analyzed: 07/28/10						
Phenol	0.57	0.050	mg/L	0.500		114	93.3-132	2.44		
Duplicate (B016932-DUP1)	**Source: 10G0657-06**			Prepared & Analyzed: 07/28/10						
Phenol	0.15	0.050	mg/L		0.15			4.67	21.6	
Matrix Spike (B016932-MS1)	**Source: 10G0657-07**			Prepared & Analyzed: 07/28/10						
Phenol	0.59	0.050	mg/L	0.500	0.077	102	65.7-134			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
B	Analyte is found in the associated blank as well as in the sample.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
RL-03	Elevated reporting limit based on lowest point in calibration. Requested detection limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 420.1 in Water	
Phenol	CT,MA,NH,NY,RI,NC
MADEP-EPH-04-1.1 in Water	
C9-C18 Aliphatics	CT,NC,WA
C19-C36 Aliphatics	CT,NC,WA
Unadjusted C11-C22 Aromatics	CT,NC,WA
C11-C22 Aromatics	CT,NC,WA
Acenaphthene	CT,NC,WA
Acenaphthylene	CT,NC,WA
Anthracene	CT,NC,WA
Benzo(a)anthracene	CT,NC,WA
Benzo(a)pyrene	CT,NC,WA
Benzo(b)fluoranthene	CT,NC,WA
Benzo(g,h,i)perylene	CT,NC,WA
Benzo(k)fluoranthene	CT,NC,WA
Chrysene	CT,NC,WA
Dibenz(a,h)anthracene	CT,NC,WA
Fluoranthene	CT,NC,WA
Fluorene	CT,NC,WA
Indeno(1,2,3-cd)pyrene	CT,NC,WA
2-Methylnaphthalene	CT,NC,WA
Naphthalene	CT,NC,WA
Phenanthrene	CT,NC,WA
Pyrene	CT,NC,WA
SM18-20 2540D in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC
SW-846 6010B in Water	
Arsenic	CT,NH,NY,RI
Barium	CT,NH,NY,RI
Cadmium	CT,NH,NY,RI
Chromium	CT,NH,NY,RI
Lead	CT,NH,NY,RI
Selenium	CT,NH,NY,RI
Silver	CT,NH,NY,RI
SW-846 7470A in Water	
Mercury	CT,NH,NY,RI,NC
SW-846 8082 in Water	
Aroclor-1016	CT,NH,NY,RI,NC
Aroclor-1016 [2C]	CT,NH,NY,RI,NC
Aroclor-1221	CT,NH,NY,RI,NC
Aroclor-1221 [2C]	CT,NH,NY,RI,NC
Aroclor-1232	CT,NH,NY,RI,NC
Aroclor-1232 [2C]	CT,NH,NY,RI,NC
Aroclor-1242	CT,NH,NY,RI,NC
Aroclor-1242 [2C]	CT,NH,NY,RI,NC
Aroclor-1248	CT,NH,NY,RI,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Water	
Aroclor-1248 [2C]	CT,NH,NY,RI,NC
Aroclor-1254	CT,NH,NY,RI,NC
Aroclor-1254 [2C]	CT,NH,NY,RI,NC
Aroclor-1260	CT,NH,NY,RI,NC
Aroclor-1260 [2C]	CT,NH,NY,RI,NC
SW-846 8260B in Water	
Acetone	CT,NH,NY,NC
tert-Amyl Methyl Ether (TAME)	NH,NY,NC
Benzene	CT,NH,NY,RI,NC
Bromochloromethane	NH,NY,NC
Bromodichloromethane	CT,NH,NY,RI,NC
Bromoform	CT,NH,NY,RI,NC
Bromomethane	CT,NH,NY,RI,NC
2-Butanone (MEK)	CT,NH,NY,NC
n-Butylbenzene	NY,NC
sec-Butylbenzene	NY,NC
tert-Butylbenzene	NY,NC
tert-Butyl Ethyl Ether (TBEE)	NH,NY,NC
Carbon Disulfide	CT,NH,NY,NC
Carbon Tetrachloride	CT,NH,NY,RI,NC
Chlorobenzene	CT,NH,NY,RI,NC
Chlorodibromomethane	CT,NH,NY,RI,NC
Chloroethane	CT,NH,NY,RI,NC
Chloroform	CT,NH,NY,RI,NC
Chloromethane	CT,NH,NY,RI,NC
Dibromomethane	NH,NY,NC
1,2-Dichlorobenzene	CT,NY,RI,NC
1,3-Dichlorobenzene	CT,NH,NY,RI,NC
1,4-Dichlorobenzene	CT,NH,NY,RI,NC
Dichlorodifluoromethane (Freon 12)	NH,NY,RI,NC
1,1-Dichloroethane	CT,NH,NY,RI,NC
1,2-Dichloroethane	CT,NH,NY,RI,NC
1,1-Dichloroethylene	CT,NH,NY,RI,NC
trans-1,2-Dichloroethylene	CT,NH,NY,RI,NC
1,2-Dichloropropane	CT,NH,NY,RI,NC
1,3-Dichloropropane	NY,NC
2,2-Dichloropropane	NH,NY,NC
1,1-Dichloropropene	NH,NY,NC
cis-1,3-Dichloropropene	CT,NH,NY,RI,NC
trans-1,3-Dichloropropene	CT,NH,NY,RI,NC
Diisopropyl Ether (DIPE)	NH,NY,NC
Ethylbenzene	CT,NH,NY,RI,NC
Hexachlorobutadiene	CT,NH,NY,NC
2-Hexanone (MBK)	CT,NH,NY,NC
Isopropylbenzene (Cumene)	NY,NC
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Water	
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,NC
Methylene Chloride	CT,NH,NY,RI,NC
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,NC
Naphthalene	NH,NY,NC
n-Propylbenzene	CT,NH,NY,NC
Styrene	CT,NH,NY,NC
1,1,1,2-Tetrachloroethane	CT,NH,NY,NC
1,1,2,2-Tetrachloroethane	CT,NH,NY,RI,NC
Tetrachloroethylene	CT,NH,NY,RI,NC
Toluene	CT,NH,NY,RI,NC
1,2,3-Trichlorobenzene	NH,NY,NC
1,2,4-Trichlorobenzene	CT,NH,NY,NC
1,1,1-Trichloroethane	CT,NH,NY,RI,NC
1,1,2-Trichloroethane	CT,NH,NY,RI,NC
Trichloroethylene	CT,NH,NY,RI,NC
Trichlorofluoromethane (Freon 11)	CT,NH,NY,RI,NC
1,2,3-Trichloropropane	NH,NY,NC
1,2,4-Trimethylbenzene	NY,NC
1,3,5-Trimethylbenzene	NY,NC
Vinyl Chloride	CT,NH,NY,RI,NC
m+p Xylene	CT,NH,NY,RI,NC
o-Xylene	CT,NH,NY,RI,NC
SW-846 8270C in Water	
Acenaphthene	NY,CT,NH
Acenaphthylene	NY,CT,NH
Anthracene	NY,CT,NH
Benzo(a)anthracene	NY,CT,NH
Benzo(a)pyrene	NY,CT,NH
Benzo(b)fluoranthene	NY,CT,NH
Benzo(g,h,i)perylene	NY,CT,NH
Benzo(k)fluoranthene	NY,CT,NH
Chrysene	NY,CT,NH
Dibenz(a,h)anthracene	NY,CT,NH
Fluoranthene	NY,CT,NH
Fluorene	NY,CT,NH
Indeno(1,2,3-cd)pyrene	NY,CT,NH
Naphthalene	NY,CT,NH
Phenanthrene	NY,CT,NH
Pyrene	NY,CT,NH

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

CHAIN OF CUSTODY RECORD

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39 Spruce Street
East longmeadow, MA 01028

~~1006658~~ 1006657 (KA)

Company Name: TRIUMVIRATE
Address: 61 INNER BELT RD
SOMERVILLE, MA 02143
Attention: JOHN BAILEY
Project Location: UXBRIDGE, MA
Sampled By: JOHN BAILEY

Telephone: (800) 966-9282
Project # 54257
Client PO# WILL EMAIL PO#

DATA DELIVERY (check all that apply)
○ FAX ☒ EMAIL ○ WEBSITE
Fax #
Email: JBAILEY@TRIUMVIRATE.COM
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	ANALYSIS REQUESTED: EPH w/TARGETS	VOC 8260	TPH 8100	TOTAL PHENOL	PAH 8270	PCBs	TSS	RCRA 8 METALS
01	CMW-6	7/21/10	1200		X		GW				X							
02	CMW-4	7/21/10	1215		X		GW				X							
03	CMW-5	7/21/10	100		X		GW				X							
04	MW-5D	7/21/10	115		X		GW				X							
05	MW-302	7/21/10	200		X		GW				X							
06	MW-303	7/21/10	215		X		GW				X	X	X	X	X	X	X	X
07	MW-304	7/21/10	245		X		GW				X	X	X	X	X	X	X	X

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Comments:
5day per John B. 7/22/10
OK to preserve MTBE's samples in house per John B. 7/22/10

Relinquished by: (signature)	Date/Time:
	7.21.10 425
Received by: (signature)	Date/Time:
	7.21.10 1625
Relinquished by: (signature)	Date/Time:
	7.21.10 1835
Received by: (signature)	Date/Time:
	7/21/10 18:35

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: GW-1
Connecticut:
Other:

Is your project MCP or RCP ?
☒ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

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Sample Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: Tricounty RECEIVED BY: KD DATE: 7/21/10

1) Was the chain(s) of custody relinquished and signed? (Yes) No
2) Does the chain agree with the samples? (Yes) No
If not, explain:
3) Are all the samples in good condition? (Yes) No
If not, explain:
4) How were the samples received:
On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒
Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No
Temperature °C by Temp blank 3.C Temperature °C by Temp gun _____
5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____
6) Are there any samples "On Hold"? Yes (No) Stored where: _____
7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____
8) Location where samples are stored: Log in cart

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber	21	8 oz amber/clear jar	
500 mL Amber	2	4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic	2 (2a)	Plastic Bag / Ziploc	
250 mL plastic	2	Air Cassette	
40 mL Vial - type listed below	6	SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl 6 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: (Yes) No N/A <2
Do all samples have the proper Base pH: Yes No N/A _____

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	10G0657
Project Location:	Uxbridge, MA	RTN:	

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

10G0657-01 thru 10G0657-07

Matrices: Water

CAM Protocol (check all that below)

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B (X)	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A (X)	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A (X)	6020 Metals CAM III D ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

Affirmative response to Questions A throughF 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	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
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	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
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).	☑ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

A response to questions G, H and I below 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)?	☐ Yes	☑ No[1]

<u>Data User Note:</u> Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes	☑ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Michael A. Erickson Date: 07/29/10