

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

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

a) Name of facility/site : Robert Galehouse		Facility/site address : 28 Calvin Street Lexington, Ma		
Location of facility/site : longitude: _____ latitude: _____	Facility SIC code(s):	Street:		
b) Name of facility/site owner :		Town:		
Email address of owner:		State:	Zip:	County:
Telephone no. of facility/site owner :				
Fax no. of facility/site owner :		Owner is (check one): 1. Federal____ 2. State/Tribal____		
Address of owner (if different from site):		3. Private____ 4. other, if so, describe:		
Street:				
Town:	State:	Zip:	County:	
c) Legal name of operator : Commonwealth Tank Inc.		Operator telephone no: (617) 628-8260		
		Operator fax no.: (781) 224-9918	Operator email: dhoag@commtank.com	
Operator contact name and title: Daniel Hoag, Project Manager				

Address of operator (if different from owner):		Street: 84 New Salem Street	
Town: Wakefield	State: Ma	Zip: 01880	County: USA
d) Check "yes" or "no" for the following: 1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No <input checked="" type="checkbox"/> , if "yes," number: 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No <input checked="" type="checkbox"/> , if "yes," date and tracking #: 3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes <input checked="" type="checkbox"/> No___ 4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes <input checked="" type="checkbox"/> No___			
e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No <input checked="" type="checkbox"/> If "yes," 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 storm water general permit? Y___ N <input checked="" type="checkbox"/> , if Y, number: 2. phase I or II construction storm water general permit? Y___ N <input checked="" type="checkbox"/> , if Y, number: 3. individual NPDES permit? Y___ N <input checked="" type="checkbox"/> , if Y, number: 4. any other water quality related permit? Y___ N <input checked="" type="checkbox"/> , if Y, number:	

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage: The source of the discharge is a basement sump. The basement will flood if the water is not discharged. The water in the sump was impacted by a release of 80-gallons of oil from a home heating tank. The oil was cleaned up but there is dissolved phase oil in the groundwater.		
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 <u>1.34</u> Average flow <u>.936</u> Is maximum flow a design value ? Y <input checked="" type="checkbox"/> N___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. This value is an estimate.
3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>42 28</u> lat. <u>71 14</u> ; pt.2: long. _____ lat. _____; pt.3: long. _____ lat. _____; pt.4: long. _____ lat. _____; pt.5: long. _____ lat. _____; pt.6: long. _____ lat. _____; pt.7: long. _____ lat. _____; pt.8: long. _____ lat. _____; etc.		

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent _____ or seasonal <input checked="" type="checkbox"/> ? Is discharge ongoing Yes <input checked="" type="checkbox"/> No _____?
c) Expected dates of discharge (mm/dd/yy): start <u>07/08/07</u> end <u>07/08/08</u>	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	1		160.2		820			
2. Total Residual Chlorine	✓		1							
3. Total Petroleum Hydrocarbons		✓	1		8015		4060			
4. Cyanide	✓		1							
5. Benzene	✓		1							
6. Toluene		✓	1		8260B		2.49			
7. Ethylbenzene	✓		1		8260B		3.91			
8. (m,p,o) Xylenes	✓		1		8260B		42.6			
9. Total BTEX ⁴					8260B		47.0			

⁴BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)	✓		1							
11. Methyl-tert-Butyl Ether (MtBE)	✓		1							
12. tert-Butyl Alcohol (TBA)	✓		1							
13. tert-Amyl Methyl Ether (TAME)	✓		1							
14. Naphthalene		✓	1		8260		28.3			
15. Carbon Tetra-chloride	✓		1							
16. 1,4 Dichlorobenzene	✓		1							
17. 1,2 Dichlorobenzene	✓		1							
18. 1,3 Dichlorobenzene	✓		1							
19. 1,1 Dichloroethane	✓		1							
20. 1,2 Dichloroethane	✓		1							
21. 1,1 Dichloroethylene	✓		1							
22. cis-1,2 Dichloro-ethylene	✓		1							
23. Dichloromethane (Methylene Chloride)	✓		1							
24. Tetrachloroethylene	✓		1							

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1							
26. 1,1,2 Trichloroethane	✓		1							
27. Trichloroethylene	✓		1							
28. Vinyl Chloride	✓		1							
29. Acetone	✓		1							
30. 1,4 Dioxane	✓		1							
31. Total Phenols			1							
32. Pentachlorophenol	✓		1							
33. Total Phthalates ⁵ (Phthalate esthers)	✓		1							
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1							
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)			1							
a. Benzo(a) Anthracene	✓		1							
b. Benzo(a) Pyrene	✓		1							
c. Benzo(b)Fluoranthene	✓		1							
d. Benzo(k) Fluoranthene	✓		1							
e. Chrysene	✓									

⁵The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene	✓		1							
g. Indeno(1,2,3-cd) Pyrene	✓		1							
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)			1							
h. Acenaphthene	✓		1							
i. Acenaphthylene	✓		1							
j. Anthracene	✓		1							
k. Benzo(ghi) Perylene	✓		1							
l. Fluoranthene	✓		1							
m. Fluorene	✓		1							
n. Naphthalene-	✓		1							
o. Phenanthrene	✓		1							
p. Pyrene	✓		1							
37. Total Polychlorinated Biphenyls (PCBs)	✓		1							
38. Antimony	✓		1							
39. Arsenic	✓		1							
40. Cadmium	✓		1							
41. Chromium III	✓		1							
42. Chromium VI	✓		1							

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	✓		1							
44. Lead	✓		1							
45. Mercury		✓	1		7470A		.0002			
46. Nickel	✓		1							
47. Selenium	✓		1							
48. Silver	✓		1							
49. Zinc	✓		1							
50. Iron	✓		1							
Other (describe):										

c) For discharges where **metals** are believed present, please fill out the following:

<p><i>Step 1:</i> Do any of the metals in the influent have a reasonable potential to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y___ N <u>✓</u></p>	<p>If yes, which metals?</p>
<p><i>Step 2:</i> For any metals which have reasonable potential to 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? Metals: _____ DF: _____</p>	<p>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 <u>✓</u> If "Yes," list which metals:</p>

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

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

The treatment system is composed of 6 steel canisters containing 400lbs of organophillic clay inline with 800lbs of gas activated carbon. See attached drawing for more detail.

b) Identify each applicable treatment unit (check all that apply):

Frac. tank	Air stripper	Oil/water separator	Equalization tanks	Bag filter	GAC filter
				✓	✓
Chlorination	Dechlorination	Other (please describe): Organophillic clay will be used as the primary adsorber.			

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 2 GPM Maximum flow rate of treatment system 12 GPM Design flow rate of treatment system 10 GPM

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

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

a) Identify the discharge pathway:

Direct _____	Within facility__	Storm drain <input checked="" type="checkbox"/>	River/brook _____	Wetlands _____	Other (describe):
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b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

The storm drain located in the driveway of the site discharges to Simonds Brook approximately 1/4 mile from the site.

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

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

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water .80 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? Yes No If yes, for which pollutant(s)?

Is there a TMDL? Yes No If yes, for which pollutant(s)?

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes No
 Has any consultation with the federal services been completed? No or is consultation underway? No
 What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):
 a “no jeopardy” opinion? or written concurrence on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
 Yes No Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes No

7. Supplemental information. :

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

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

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

Facility/Site Name: Commonwealth Tank Inc

Operator signature: 

Title: Project Manager

Date: 06/18/07

B. Submission of NOI to EPA - All operators applying for coverage under this General Permit must submit a written Notice of Intent (NOI) to EPA. Signed and completed NOI forms and attachments must be submitted to EPA-NE at:

US Environmental Protection Agency
RGP-NOC Processing
Municipal Assistance Unit (CMU),
1 Congress Street, Suite 1100
Boston, MA 02114-2023

or electronically mailed to NPDES.Generalpermits@epa.gov,
or faxed to the EPA Office at 617-918-0505.

If filling out the suggested NOI form electronically on EPA's website, the signature page must be signed and faxed or mailed to EPA at the phone number or address listed in Section I.B. below.

1. Filing with the states - A copy of any NOI form filed with EPA-NE must also be filed with state agencies. The state agency may elect to develop a state specific form or other information requirements.

a) Discharges in Massachusetts - In addition to the NOI, permit applicants must submit copies of the State Application Form BRPWM 12, Request for General Permit coverage for the RGP. The application form and the Transmittal Form for Permit Application and Payment, may be obtained from the Massachusetts Department of Environmental Protection (MA DEP) website at www.state.ma.us/dep. Municipalities are fee-exempt, but should send a copy of the transmittal form to that address for project tracking purposes. All applicants should keep a copy of the transmittal form and a copy of the application package for their records.

1) A copy of the NOI, the transmittal form, a copy of the check, and Form BRPWM 12 should be sent to:

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street, 2nd floor
Worcester, MA 01608

2) A copy of the transmittal form and the appropriate fee should be sent to:

Massachusetts Department of Environmental Protection
P.O. Box 4062
Boston, MA 02111

Please note: Applicants for discharges in Massachusetts should note that under 310 CMR 40.000, *as a matter of state law*, the general permit only applies to discharges that are **not** subject to the Massachusetts Contingency Plan (MCP) and 310 CMR 40.000. Therefore, discharges subject to the MCP are **not** required to fill out and submit the State Application Form BRPWM 12 or pay the state fees. However, they must submit a NOI to EPA.

b) Discharges in New Hampshire - applicants must provide a copy of the Notice of Intent to:

New Hampshire Department of Environmental Services
Water Division
Wastewater Engineering Bureau
P.O. Box 95
Concord, New Hampshire 03302-0095.

2. Filing with Municipalities - A copy of the NOI must be submitted to the municipality in which the proposed discharge would be located.

Habitat Resources

Vine Brook Subwatershed

BILLERICA

BURLINGTON

BEDFORD

LEXINGTON

WOBURN

Natural Heritage and Endangered Species Program

-  NHESP Certified Vernal Pools
-  Potential Vernal Pools
-  Estimated Habitats of Rare Wildlife
-  Priority Habitat Sites

 100 meter natural land riparian buffer

Wetlands

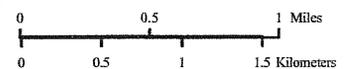
-  BOG
-  DEEP MARSH
-  SHRUB SWAMP
-  WOODED SWAMP CONIFEROUS
-  WOODED SWAMP DECIDUOUS
-  WOODED SWAMP MIXED TREES
-  SHALLOW MARSH MEADOW OR FEN

Contiguous natural lands

-  250 - 499 acres
-  500 - 1999 acres
-  > 2000 acres

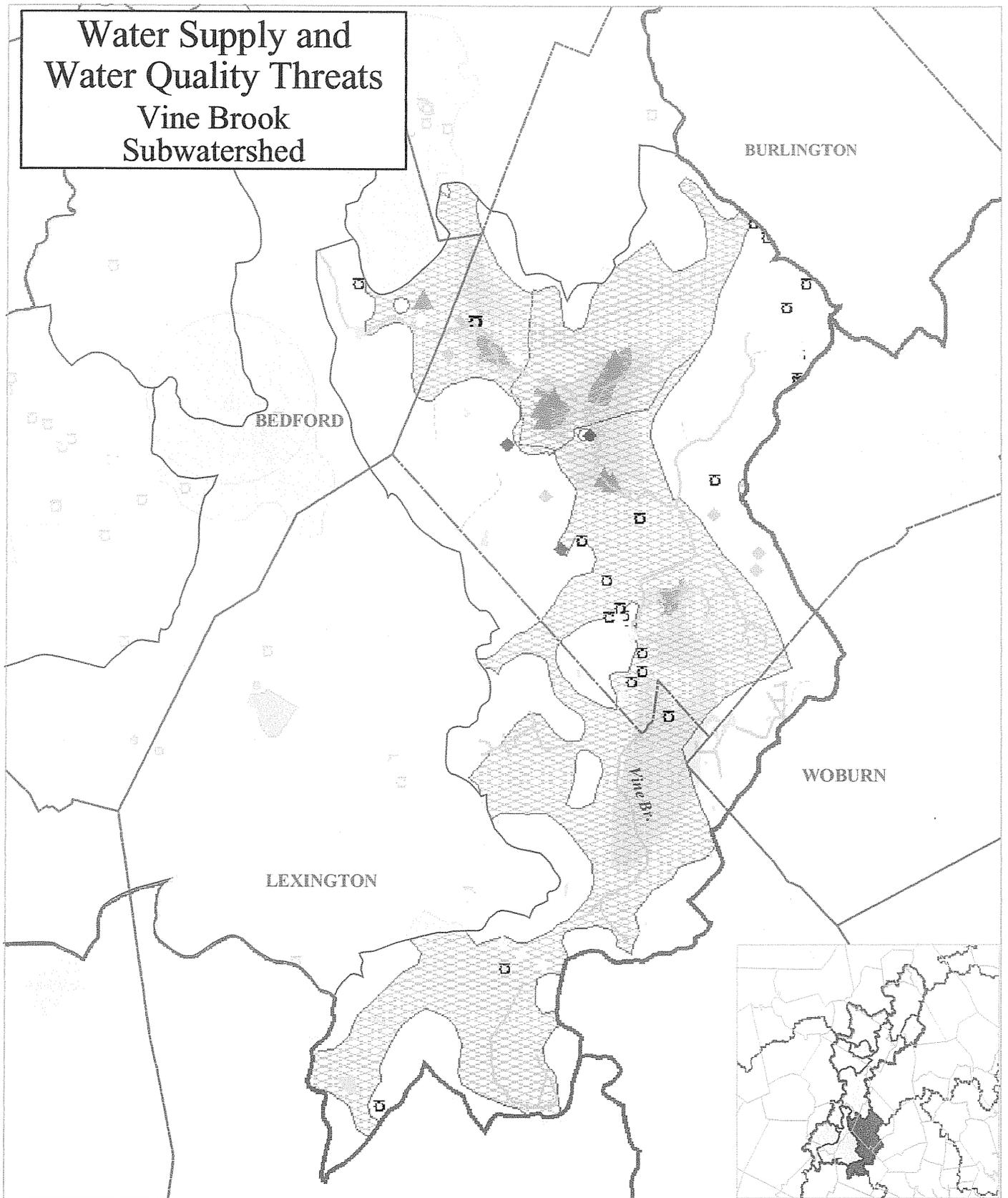
Watershed boundary

-  Major basin
-  Tributary basin



Massachusetts Executive Order 5710, 1997

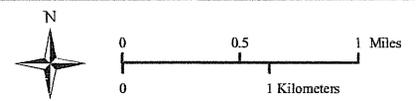
Water Supply and Water Quality Threats Vine Brook Subwatershed



- Public Water Supply**
- ▲ Community Ground Water
 - ▲ Community Surface Water
 - △ Transient Non-Community
- Water Supply Protection Areas**
- Interin wellhead protection areas
 - ZONE IIs

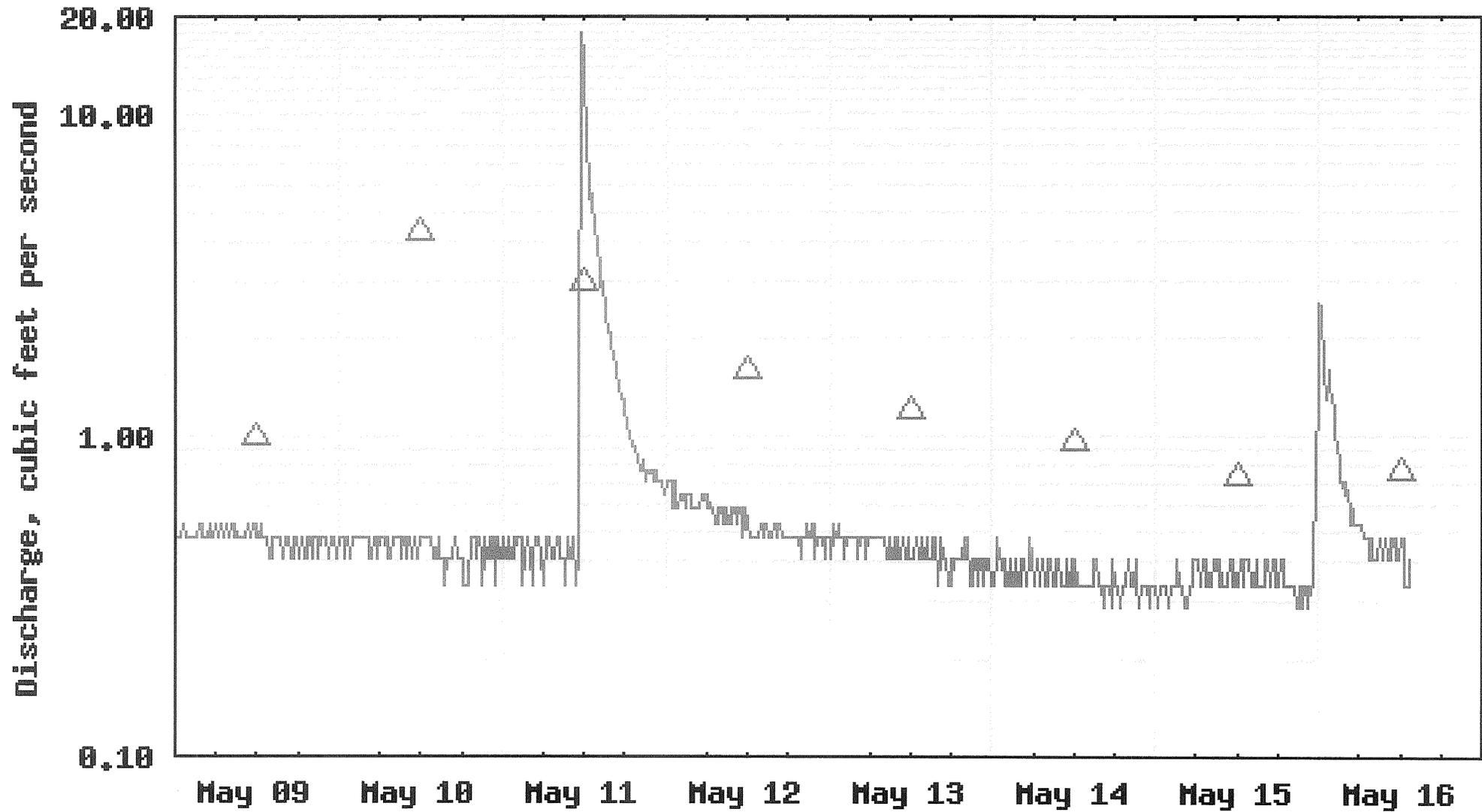
- 21E Sites**
- ◆ Tier 1A
 - ◆ Tier 1B
 - ◆ Tier 1C
 - ◆ Tier 2
 - Default Tier 1B
 - ◆ Solid Waste Facilities
 - Underground Storage Tanks

- Aquifers**
- > 300 gpm yield
 - 100-300 gpm yield
- Watershed boundary**
- Major basin
 - Tributary basin



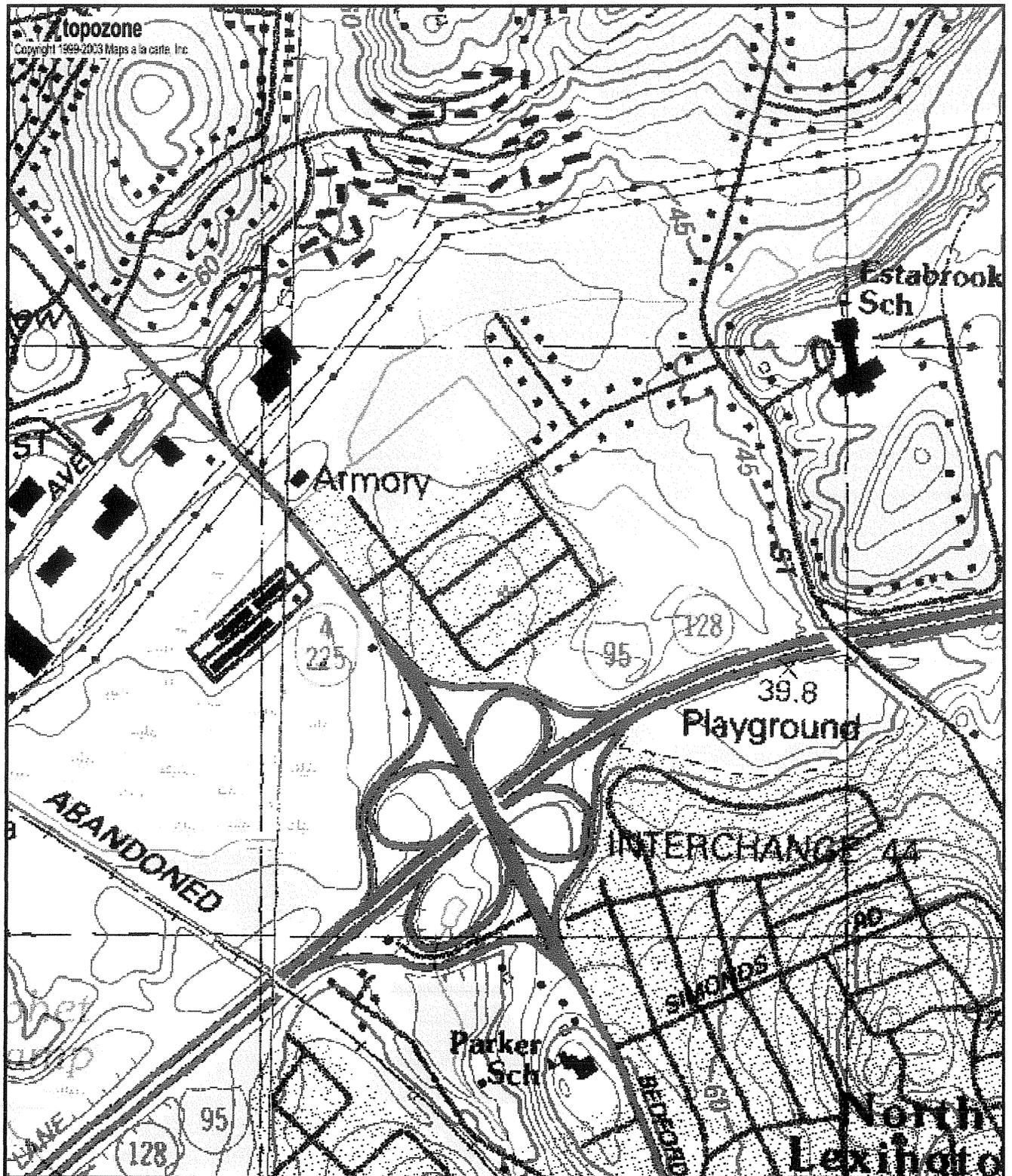
William Dunn,
Shawsheen River Watershed Team Leader

USGS 01104415 CAMBRIDGE RES., UNNAMED TRIB 2, NR LEXINGTON, MA



---- Provisional Data Subject to Revision ----

△ Median daily statistic (2 years) — Discharge

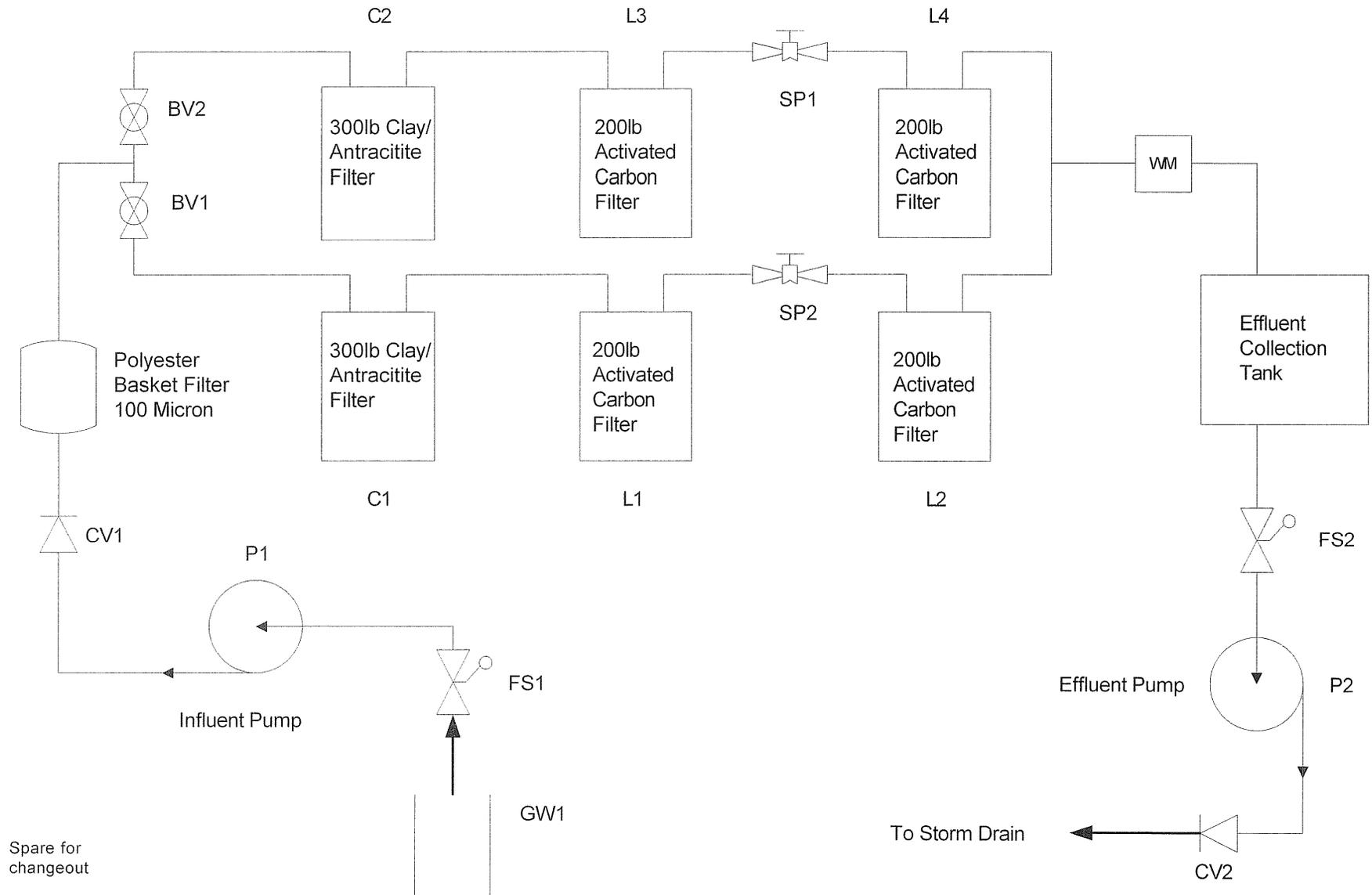


0 0.1 0.2 0.3 0.4 0.5 km
 0 0.09 0.18 0.27 0.36 0.45 mi

42° 28' 24"N, 71° 14' 43"W (NAD27)
USGS Boston North (MA) Quadrangle
 Projection is UTM Zone 19 NAD83 Datum



M=-15.587
 G=-1.517



Spare for changeout

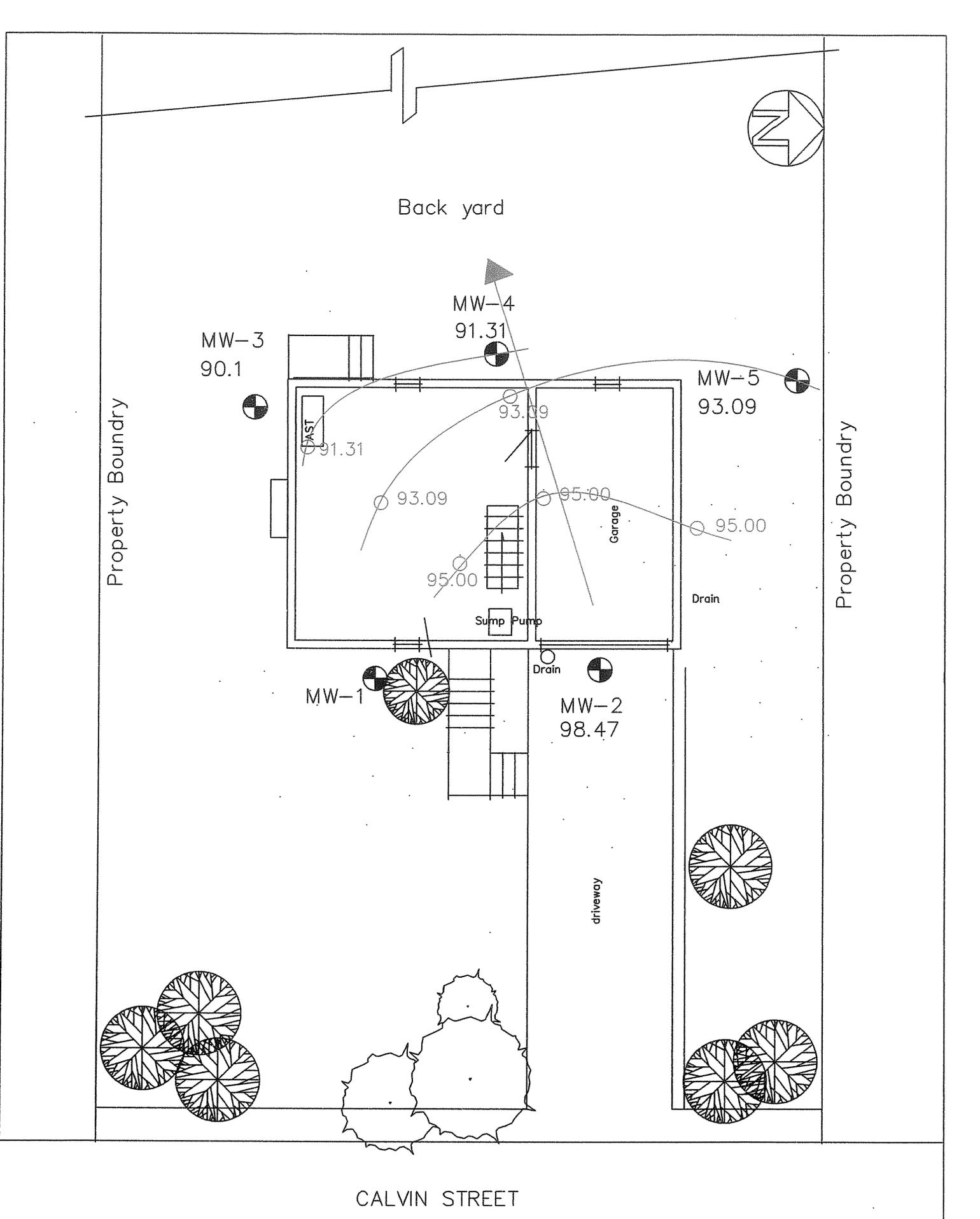


(Sampling must be performed at midfluent in addition to influent and effluent to manage carbon rotation properly.)

Lengend

- SP = Sample Port
- CV = Check Valve
- FS = Float Switch
- BV = Ball Valve
- GW = Groundwater Well
- WM = Water Meter

<p>Oil Water Separator System Installation Diagram Revision A1</p>	<p>Commonwealth Tank Incorporated</p>
<p>Drawn by: Daniel Hoag</p>	
<p>Reviewed by: Kevin Hoag</p>	
<p>Date: April 1, 2007</p>	



CALVIN STREET

Groundwater Flow Data
28 Calvin Street

Location	Casing Diameter	5/25/2007 DTGW	Survey ft	Adj Elevation
MW-1	1"	5.11		
MW-2	1"	1.29		
MW-3	1"	4.45		
MW-4	1"	4.30		
MW-5	1"	3.70		

5/25/2007		DTGW	DTGW	Casing	Angle	low	mid	high
Survey Pt	DTP	Casing	RB					
BM Manhole					0	6.08	6.26	6.43
MW-2	0	1.29	1.53	1"	241	8.13	8.33	8.53
MW-3	0	4.45	5.58	1"	217	3.9	4.01	4.13
MW-1	0	5.11		1"	186	3.54	3.78	3.99
TURN								
BM Manhole					0	5.93	6.45	6.98
MW-3					350	3.67	3.84	4.01
MW-4	0	4.3	4.46	1"	321	3.72	3.9	4.08
MW-5	0	3.7	3.8	1"	301	4.73	5.02	5.31

5/25/2007		mid	2	Adjusted	surveyed	
BM Manhole		6.26	6.46	-0.2	6.26	97.93
MW-2		8.33			8.33	100
MW-3		4.01	3.81	0.2	4.01	95.68
MW-1		3.78			3.78	95.45
TURN						
BM Manhole		6.45				
MW-3		3.84				
MW-4		3.9	0.2	4.1	4.1	95.77
MW-5		5.02	0.2	5.22	5.22	96.89

Survey pt	Survey ht	DTGW	GW elev.
MW-1	95.45		95.45
MW-2	100	1.53	98.47
MW-3	95.68	5.58	90.1
MW-4	95.77	4.46	91.31
MW-5	96.89	3.8	93.09



317 Elm Street
Milford, NH 03055
(603) 673-5440
Fax (603) 673-0366
Sales@chemservelab.com

Wednesday, May 09, 2007

Yolanda Zavada
Commonwealth Tank Environmental Inc.
84 New Salem Street
Wakefield MA 01880

Project Name: Robert Galehouse
Project #: N/A
Project Location: 28 Calvin St Lexington MA
Control #: 63147

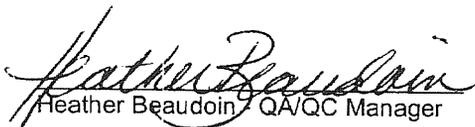
Lab ID: 07040339
Date Received: 4/23/2007

Dear Yolanda Zavada

Enclosed please find the laboratory results for the above reference samples that were received by the ChemServe sample custodian on the above referenced date. Any abnormalities to the samples upon receipt would be noted on the enclosed chain of custody document. This report is not valid without a completed ChemServe chain of custody with the corresponding control number, attached.

All samples analyzed by ChemServe are subject to quality standards. These standards are as stringent or more stringent than those established under NELAC, 40 CFR Part 136, state certification programs, and corresponding methodologies. ChemServe has a written QA/QC Procedures Manual that outlines these standards, and is available for your reference, upon request. Unless otherwise stated on the Chain of Custody or within the report, all holding times, preservation techniques, container types, and analytical methods are analogous with those outlined by NELAC. All units are based on "as received" weight unless denoted "dry".

I certify that I have reviewed the above referenced analytical data and state forms, and I have found this report within compliance with the procedures outlined within NELAC.


Heather Beaudoin, QA/QC Manager

Jay Chrystal - President/Laboratory Director

This report includes 21 pages.



Job Name: Robert Galehouse **Laboratory #:** 07040339
Job #: 8337 **Purchase Order #:** N/A
Location: 28 Calvin St. **Control #:** 63147
Lexington, MA

MADEP-MCP
Analytical Report Certification
And
CASE NARRATIVE

		METALS	SVOA	VOA
Sample Receipt	Were all samples received at proper temperature, preservation and containers?	Yes	Yes	Yes
	Were all samples received as described on the COC?	Yes	Yes	Yes
Method QA/QC	Were all QA/QC procedures for specified methods included in this report met (including those not required to be reported?)	Yes	Yes	Yes
Method Blanks	Were all target analytes non-detect?	Yes	Yes	Yes
Surrogates	Were all samples spiked with the appropriate surrogates?	N/A	Yes	Yes
	Were all surrogates for reported samples within acceptance limits.	N/A	Yes	Yes
Laboratory Control Sample	Does the LCS contain all required target analytes and are they within acceptance limits?	No	No	No
Matrix Spike/Matrix Spike Duplicate	Was a field MS/MSD requested by the client?	No	No	No
	Does the MS/MSD contain all target analytes and were they within acceptance limits.	N/A	N/A	N/A
Sample Reporting	Were all samples analyzed within required holding time?	Yes	Yes	Yes
	Were all contaminants identified and quantified by comparison to a calibration standard, even if not a requested analyte?	Yes	Yes	Yes
	Were all identified contaminants reported, even if not requested?	No	Yes	Yes

INORGANICS:

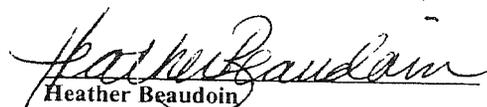
The Mercury LCS recovery was 78%. This is below the acceptance criteria of 85%-115%. The MS/MSD that was run with this batch was within the acceptance limits.

SEMI-VOLATILES:

Nonane recoveries for the LCS/LCSD were 29%/25%. This is below the acceptance criteria of 30%-140%. Decane recoveries for the LCS/LCSD were 37%/31%. Dodecane had a recovery of 37% in the LCSD. These were below the acceptance criteria of 40%-140%. The RPD for Dodecane was 27%. This is above the acceptance limit of 25%.

VOLATILES:

The LCS had recoveries above the acceptance criteria of 70%-130% for the following analytes: Bromomethane (135%), Chloroethane (135%), 2-Methyl-2-Propanol (TBA) (146%), Methylene Chloride (140%), 1,1 Dichloropropene (255%). These analytes were all below the detection limit in the sample analyzed.


Heather Beaudoin
QA Manager

5-9-07
Date



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Commonwealth Tank Environmental Inc.

Yolanda Zavada
 84 New Salem Street
 Wakefield MA 01880

Control #: 63147
 Project Number: N/A
 Project Name: Robert Galehouse
 Project Location: 28 Calvin St Lexington MA

Lab ID: 07040339
 Date: 5/9/2007

Lab ID: 07040339

Sample Receiving and Comment Summary

Were Samples Submitted with a chain of custody?	Yes
Do all samples received match the chain of custody?	Yes
Were all samples received within holding times?	Yes
Were all containers intact when received?	Yes
Was there evidence of cooling?	Yes
Were samples for Volatile organic analysis free of headspace (per method)?	N/A
Was the cooler temperature recorded?	Yes
If the sample pH was not correct was it adjusted where applicable?	Yes
If samples for dissolved metals were not filtered were they filtered in the lab?	N/A

Sample	Method	Client Identity	Matrix	Analyst
07040339-001	EPA 150.1	Sump Pump	Groundwater	HeatherM
Comment:				
07040339-001	EPA 160.2	Sump Pump	Groundwater	HeatherM
Comment:				
07040339-001	EPA 330.5	Sump Pump	Groundwater	HeatherM
Comment:				
07040339-001	SW 1030	Sump Pump	Groundwater	HeatherM
Comment:				
07040339-001	SW 3005A	Sump Pump	Groundwater	BrendanH
Comment:				
07040339-001	SW 3010B	Sump Pump	Groundwater	LyleH
Comment:				
07040339-001	SW 7470A	Sump Pump	Groundwater	LyleH
Comment:				
07040339-001	SW 8015	Sump Pump	Groundwater	JulieM
Comment: The carbon range for diesel fuel constituents is C9-C24.				

Sample	Method	Client Identity	Matrix	Analyst
07040339-001	SW 8260B	Sump Pump	Groundwater	TimD

Comment:

* Blank comment sections denote "No Comment"

MADEP EPH DATA

SAMPLE INFORMATION

Matrix	<input checked="" type="checkbox"/> Aqueous <input type="checkbox"/> Soil <input type="checkbox"/> Sediment <input type="checkbox"/> Other
Containers	<input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Broken <input type="checkbox"/> Leaking
Preservation	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> pH<2 <input type="checkbox"/> pH>2 Comment:
Temperature	<input type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received at 4°C <input type="checkbox"/> Other
Extraction Method	Water: SW846 3510A Soil:

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04 1.1	Client ID:	Sump Pump
Method for Target Analytes: GC	Lab ID:	07040339-001
EPH Surrogate Standards	Date Collected:	04/19/07
Aliphatic: Chloro-octadecane	Date Received:	04/23/07
Aromatic: o-Terphenyl	Date Extracted:	04/24/07
EPH Fractionation Surrogate:	Date Analyzed:	04/25/07
2-Bromonaphthalene	Dilution Factor:	1.12

Unadjusted C11-C22 Aromatics ¹		RL	Units	
	Naphthalene	85	UG/L	830
Diesel PAH Analytes	2-Methylnaphthalene	1	UG/L	8.0
	Phenanthrene	1	UG/L	29.4
Other Target Analytes	Acenaphthene	1	UG/L	5.4
	Acenaphthalene	1	UG/L	4.0
	Anthracene	1	UG/L	5.8
	Benzo(a)Anthracene	1	UG/L	<RL
	Benzo(a)Pyrene	0.2	UG/L	<RL
	Benzo(b)Fluoranthene	1	UG/L	<RL
	Benzo(g,h,i)Perylene	1	UG/L	<RL
	Benzo(k)Fluoranthene	1	UG/L	<RL
	Chrysene	1	UG/L	<RL
	Dibenzo(a,h)Anthracene	0.5	UG/L	<RL
	Fluoranthene	1	UG/L	<RL
	Fluorene	1	UG/L	3.2
	Ideno(1,2,3-cd)Pyrene	0.5	UG/L	<RL
	Pyrene	1	UG/L	2.0
C9-C18 Aliphatic Hydrocarbons ¹		115	UG/L	460
C19-C36 Aliphatic Hydrocarbons ¹		50	UG/L	320
C11-C22 Aromatic Hydrocarbons ^{1,2}		85	UG/L	770
Chloro-octadecane % Recovery				58%
o-Terphenyl % Recovery				54%
Surrogate Acceptance Range				40-140%
2-Bromonaphthalene % Recovery				66%
Surrogate Acceptance Range				40-140%

¹Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

²C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

Certification

Were all QA/QC procedures required by the EPH method followed? Yes No- Details attached

Were all performance/acceptance standards for the required QA/QC procedures Achieved? Yes No- Details attached

Were any significant modifications made to the EPH method, as specified in section 11.3? No Yes-Details attached

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

Jay W. Chrystal Laboratory Director

Date

MADEP EPH DATA

SAMPLE INFORMATION

Matrix	<input checked="" type="checkbox"/> Aqueous <input type="checkbox"/> Soil <input type="checkbox"/> Sediment <input type="checkbox"/> Other
Containers	<input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Broken <input type="checkbox"/> Leaking
Preservation	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> pH<2 <input type="checkbox"/> pH>2 Comment:
Temperature	<input type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received at 4°C <input type="checkbox"/> Other
Extraction Method	Water: SW846 3510A Soil:

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04 1.1	Client ID:	METHOD BLANK
Method for Target Analytes: GC	Lab ID:	07040339
EPH Surrogate Standards	Date Collected:	N/A
Aliphatic: Chloro-octadecane	Date Received:	N/A
Aromatic: o-Terphenyl	Date Extracted:	04/24/07
EPH Fractionation Surrogate:	Date Analyzed:	04/25/07
2-Bromonaphthalene	Dilution Factor:	1
	Units	
Unadjusted C11-C22 Aromatics¹	85	UG/L <RL
Diesel PAH Analytes		
Naphthalene	1	UG/L <RL
2-Methylnaphthalene	1	UG/L <RL
Phenanthrene	1	UG/L <RL
Acenaphthene	1	UG/L <RL
Other Target Analytes		
Acenaphthalene	1	UG/L <RL
Anthracene	1	UG/L <RL
Benzo(a)Anthracene	1	UG/L <RL
Benzo(a)Pyrene	0.2	UG/L <RL
Benzo(b)Fluoranthene	1	UG/L <RL
Benzo(g,h,i)Perylene	1	UG/L <RL
Benzo(k)Fluoranthene	1	UG/L <RL
Chrysene	1	UG/L <RL
Dibenzo(a,h)Anthracene	0.5	UG/L <RL
Fluoranthene	1	UG/L <RL
Fluorene	1	UG/L <RL
Ideno(1,2,3-cd)Pyrene	0.5	UG/L <RL
Pyrene	1	UG/L <RL
C9-C18 Aliphatic Hydrocarbons¹	115	UG/L <RL
C19-C36 Aliphatic Hydrocarbons¹	50	UG/L <RL
C11-C22 Aromatic Hydrocarbons^{1,2}	85	UG/L <RL
Chloro-octadecane % Recovery		66%
o-Terphenyl % Recovery		54%
Surrogate Acceptance Range		40-140%
2-Bromonaphthalene % Recovery		52%
Surrogate Acceptance Range		40-140%
¹ Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range		
² C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes		

Certification

Were all QA/QC procedures required by the EPH method followed? Yes No- Details attached

Were all performance/acceptance standards for the required QA/QC procedures Achieved? Yes No- Details attached

Were any significant modifications made to the EPH method, as specified in section 11.3? No Yes-Details attached

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

Jay W. Chrystal Laboratory Director _____ Date _____

MADEP EPH SPIKE DATA

Lab ID:	07040310
Date Analyzed:	04/26/07
LCS	LCS042307
LCSD	LCSD042307

Target Spiking Compounds	Conc. Added (UG/L)	LCS Amt. (UG/L)	%REC	LCSD Amt. (UG/L)	% REC	%RPD
Nonane	25	7.2	29%	6.2	25%	15%
Decane	25	9.2	37%	7.8	31%	17%
Dodecane	25	12.1	48%	9.2	37%	27%
Tetradecane	25	14.3	57%	11.6	46%	22%
Hexadecane	25	16.0	64%	14.4	58%	10%
Octadecane	25	17.3	69%	16.4	66%	5%
Nonadecane	25	18.0	72%	16.9	68%	6%
Eicosane	25	18.8	75%	17.7	71%	6%
Docosane	25	19.6	78%	18.7	75%	5%
Tetracosane	25	19.8	79%	19.0	76%	4%
Hexacosane	25	19.4	77%	18.6	74%	4%
Octacosane	25	18.6	74%	17.9	71%	4%
Triacontane	25	18.9	75%	18.1	73%	4%
Hexatriacontane	25	17.2	69%	16.5	66%	4%
Naphthalene	25	14.6	58%	13.7	55%	7%
2-Methylnaphthalene	25	15.4	62%	13.9	56%	10%
Acenaphthalene	25	15.7	63%	14.0	56%	11%
Acenaphthene	25	16.0	64%	14.4	58%	11%
Fluorene	25	15.9	64%	14.5	58%	9%
Phenanthrene	25	16.6	67%	15.3	61%	8%
Anthracene	25	16.6	66%	15.5	62%	7%
Fluoranthene	25	18.0	72%	16.6	66%	8%
Pyrene	25	18.3	73%	16.8	67%	8%
Benzo(a)Anthracene	25	19.0	76%	17.4	70%	8%
Chrysene	25	19.7	79%	18.3	73%	8%
Benzo(b)Fluoranthene	25	20.5	82%	18.6	74%	10%
Benzo(k)Fluoranthene	25	20.6	82%	19.3	77%	7%
Benzo(a)Pyrene	25	20.8	83%	19.2	77%	8%
Indeno(1,2,3-cd)Pyrene	25	22.2	89%	20.3	81%	9%
(a,h)Anthracene	25	21.4	86%	19.8	79%	8%
Benzo(g,h,i)Perylene	25	23.8	95%	22.1	88%	8%

% Breakthrough Acceptance Limits

Naphthalene	<5	<5%	Naphthalene	<5	<5%
2-Methylnaphthalene	<5	<5%	2-Methylnaphthalene	<5	<5%

Surrogates % Rec. Acceptance Limits

Chloro-octadecane	77	40-140%	Chloro-octadecane	73	40-140%
o-Terphenyl	66	40-140%	o-Terphenyl	58	40-140%
2-Bromonaphthalene	61	40-140%	2-Bromonaphthalene	54	40-140%

Spike Acceptance Limits
40-140%
Nonane Acceptance Limits
30-140%
% RPD =<25%

MADEP EPH FRACTIONATION DATA

Lot #:	50511
Date Analyzed:	01/27/06
Fractionation Check	

Target Spiking Compounds	Conc. Added (UG/L)	FRCT. Amt. (UG/L)	%REC
Nonane	12.5	10.0	80%
Decane	12.5	10.7	86%
Dodecane	12.5	10.9	87%
Tetradecane	12.5	11.0	88%
Hexadecane	12.5	11.0	88%
Octadecane	12.5	10.9	87%
Nonadecane	12.5	11.6	93%
Eicosane	12.5	12.1	97%
Docosane	12.5	12.0	96%
Tetracosane	12.5	11.7	94%
Hexacosane	12.5	11.7	94%
Octacosane	12.5	11.5	92%
Triacontane	12.5	11.4	91%
Hexatriacontane	12.5	9.9	79%
Naphthalene	12.5	13.8	110%
2-Methylnaphthalene	12.5	12.6	101%
Acenaphthalene	12.5	11.9	95%
Acenaphthene	12.5	11.2	90%
Fluorene	12.5	11.4	91%
Phenanthrene	12.5	12.0	96%
Anthracene	12.5	12.0	96%
Fluoranthene	12.5	11.8	94%
Pyrene	12.5	11.6	93%
Benzo(a)Anthracene	12.5	11.8	94%
Chrysene	12.5	11.1	89%
Benzo(b)Fluoranthene	12.5	11.9	95%
Benzo(k)Fluoranthene	12.5	11.2	90%
Benzo(a)Pyrene	12.5	11.3	90%
Ideno(1,2,3-cd)Pyrene	12.5	12.2	98%
(a,h,)Anthracene	12.5	10.7	86%
Benzo(g,h,i)Perylene	12.5	10.3	82%

% Breakthrough Acceptance
Limits

Naphthalene	<5%	<5%	
2-Methylnaphthalene	<5%	<5%	

Spike Acceptance Limits
40-140%
Nonane Acceptance Limits
30-140%



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Commonwealth Tank Environmental Inc.

Yolanda Zavada
 84 New Salem Street
 Wakefield MA 01880

Control #: 63147
 Project Number: N/A
 Project Name: Robert Galehouse
 Project Location: 28 Calvin St Lexington MA

Analytical Results

Lab ID: 07040339
 Date: 5/9/2007

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	EPA 150.1	Sump Pump	units	Groundwater	HeatherM

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
pH		6.57 units	RO	4/24/2007 11:25:00 AM	1	0

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	EPA 160.2	Sump Pump	mg/L	Groundwater	HeatherM

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Total Suspended Solids		820 mg/L		4/24/2007	1	4

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	EPA 330.5	Sump Pump	mg/L	Groundwater	HeatherM

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Residual Chlorine Total		< 0.2 mg/L	RD	4/24/2007 11:30:00 AM	1	0.2

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 1030	Sump Pump	°F	Groundwater	HeatherM

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Flashpoint		>165		5/8/2007	1	70

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 3005A	Sump Pump		Groundwater	BrendanH

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Hot Plate Digestion				4/27/2007	1	0



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Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 6010B	Sump Pump	mg/L	Groundwater	LyleH

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Arsenic	7440-38-2	< 0.05 mg/L		5/7/2007	1	0.05
Barium	7440-39-3	0.025 mg/L		5/7/2007	1	0.01
Cadmium	7440-43-9	< 0.005 mg/L		5/7/2007	1	0.005
Chromium	7440-47-3	< 0.01 mg/L		5/7/2007	1	0.01
Lead	7439-92-1	< 0.03 mg/L		5/7/2007	1	0.03
Selenium	7782-49-2	< 0.05 mg/L		5/7/2007	1	0.05
Silver	7440-22-4	< 0.007 mg/L		5/7/2007	1	0.007

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 7470A	Sump Pump	mg/L	Groundwater	LyleH

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Mercury	7439-97-6	0.0002 mg/L		5/4/2007	1	0.0002

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 8015	Sump Pump		Groundwater	LyleH

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Extraction SW 8015				4/25/2007	1	0
TPH as Diesel		4060 ug/L		4/27/2007	1.1	110
TPH as Lube Oil		< 110 ug/L		4/27/2007	1.1	110

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 8260B	Sump Pump	ug/L	Groundwater	TimD

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,1,1,2-Tetrachloroethane	630-20-6	< 1 ug/L		4/27/2007	1	1
1,1,1-Trichloroethane	71-55-6	< 1 ug/L		4/27/2007	1	1
1,1,2,2-Tetrachloroethane	79-34-5	< 1 ug/L		4/27/2007	1	1
1,1,2-Trichloroethane	79-00-5	< 1 ug/L		4/27/2007	1	1
1,1-Dichloroethane	75-34-3	< 1 ug/L		4/27/2007	1	1
1,1-Dichloroethene	75-35-4	< 1 ug/L		4/27/2007	1	1
1,1-Dichloropropene	563-58-6	< 1 ug/L		4/27/2007	1	1
1,2,3-Trichlorobenzene	87-61-6	< 1 ug/L		4/27/2007	1	1



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Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 8260B	Sump Pump	ug/L	Groundwater	TimD

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,2,3-Trichloropropane	96-18-4	< 1 ug/L		4/27/2007	1	1
1,2,4-Trichlorobenzene	102-82-1	< 1 ug/L		4/27/2007	1	1
1,2,4-Trimethylbenzene	95-63-6	17.6 ug/L		4/27/2007	1	1
1,2-Dibromo-3-Chloropropane	96-12-8	< 1 ug/L		4/27/2007	1	1
1,2-Dibromoethane	106-93-4	< 1 ug/L		4/27/2007	1	1
1,2-Dichlorobenzene	95-50-1	< 1 ug/L		4/27/2007	1	1
1,2-Dichloroethane	107-06-2	< 1 ug/L		4/27/2007	1	1
1,2-Dichloropropane	78-87-5	< 1 ug/L		4/27/2007	1	1
1,3,5-Trimethylbenzene	108-67-8	17.2 ug/L		4/27/2007	1	1
1,3-Dichlorobenzene	541-73-1	< 1 ug/L		4/27/2007	1	1
1,3-Dichloropropane	142-28-9	< 1 ug/L		4/27/2007	1	1
1,4-Dichlorobenzene	106-46-7	< 1 ug/L		4/27/2007	1	1
1,4-Dioxane	123-91-1	< 1 ug/L		4/27/2007	1	1
2,2-Dichloropropane	594-20-7	< 1 ug/L		4/27/2007	1	1
2-Butanone	78-93-3	< 25 ug/L		4/27/2007	1	25
2-Chloroethyl Vinyl Ether	110-75-8	< 20 ug/L		4/27/2007	1	20
2-Chlorotoluene	95-49-8	< 1 ug/L		4/27/2007	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	637-92-3	< 1 ug/L		4/27/2007	1	1
2-Hexanone	591-78-6	< 25 ug/L		4/27/2007	1	25
2-Methoxy-2-Methyl Butane (TAME)	994-05-8	< 1 ug/L		4/27/2007	1	1
2-Methoxy-2-Methyl Propane (MTBE)	1634-04-04	< 1 ug/L		4/27/2007	1	1
2-Methyl-2-Propanol (TBA)	75-65-0	< 20 ug/L		4/27/2007	1	20
4-Chlorotoluene	106-43-4	< 1 ug/L		4/27/2007	1	1
4-Isopropyltoluene	99-87-6	8.36 ug/L		4/27/2007	1	1
4-Methyl-2-Pentanone	108-10-1	< 25 ug/L		4/27/2007	1	25
Acetone	67-64-1	< 50 ug/L		4/27/2007	1	50
Acrolein	107-02-8	< 50 ug/L		4/27/2007	1	50
Acrylonitrile	75-05-8	< 50 ug/L		4/27/2007	1	50
Benzene	71-43-2	< 1 ug/L		4/27/2007	1	1
Bromobenzene	108-86-1	< 1 ug/L		4/27/2007	1	1
Bromochloromethane	74-97-5	< 1 ug/L		4/27/2007	1	1
Bromodichloromethane	75-27-4	< 1 ug/L		4/27/2007	1	1



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Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 8260B	Sump Pump	ug/L	Groundwater	TimD

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Bromoform	75-25-2	< 1 ug/L		4/27/2007	1	1
Bromomethane	74-83-9	< 1 ug/L		4/27/2007	1	1
Carbon Disulfide	75-15-0	< 1 ug/L		4/27/2007	1	1
Carbon Tetrachloride	56-23-5	< 1 ug/L		4/27/2007	1	1
Chlorobenzene	108-90-7	< 1 ug/L		4/27/2007	1	1
Chloroethane	75-00-3	< 1 ug/L		4/27/2007	1	1
Chloroform	67-66-3	< 1 ug/L		4/27/2007	1	1
Chloromethane	74-87-3	< 1 ug/L		4/27/2007	1	1
Cis-1,2-Dichloroethene	156-59-2	< 1 ug/L		4/27/2007	1	1
Cis-1,3-Dichloropropene	10061-01-5	< 1 ug/L		4/27/2007	1	1
Dibromochloromethane	124-48-1	< 1 ug/L		4/27/2007	1	1
Dibromomethane	74-95-3	< 1 ug/L		4/27/2007	1	1
Dichlorodifluoromethane	75-71-8	< 1 ug/L		4/27/2007	1	1
Diethyl Ether	60-29-7	< 5 ug/L		4/27/2007	1	5
Di-Isopropyl Ether	108-20-3	< 1 ug/L		4/27/2007	1	1
Ethylbenzene	100-41-4	3.91 ug/L		4/27/2007	1	1
Hexachlorobutadiene	87-68-3	< 1 ug/L		4/27/2007	1	1
Isopropylbenzene	98-82-8	1.52 ug/L		4/27/2007	1	1
M/F-Xylene		11.3 ug/L		4/27/2007	1	1
Methylene Chloride	75-09-2	< 5 ug/L		4/27/2007	1	5
Naphthalene	91-20-3	28.3 ug/L		4/27/2007	1	1
N-Butylbenzene	104-51-8	< 1 ug/L		4/27/2007	1	1
N-Propylbenzene	103-65-1	1.98 ug/L		4/27/2007	1	1
O-Xylene	95-47-6	31.3 ug/L		4/27/2007	1	1
Sec-Butylbenzene	135-98-8	1.29 ug/L		4/27/2007	1	1
Styrene	100-42-5	< 1 ug/L		4/27/2007	1	1
Tert-Butylbenzene	98-06-6	< 1 ug/L		4/27/2007	1	1
Tetrachloroethene	127-18-4	< 1 ug/L		4/27/2007	1	1
Tetrahydrofuran	109-99-9	< 5 ug/L		4/27/2007	1	5
Toluene	108-88-3	2.49 ug/L		4/27/2007	1	1
Trans-1,2-Dichloroethene	156-60-5	< 1 ug/L		4/27/2007	1	1
Trans-1,3-Dichloropropene	10061-02-06	< 1 ug/L		4/27/2007	1	1



317 Elm Street
 Milford, NH 03055
 (603) 673-5440
 Sales@chemservelab.com

Sample	Method	Client Identity	Units	Matrix	Analyst
07040339-001	SW 8260B	Sump Pump	ug/L	Groundwater	TimD

Start Date/Time Sampled: 4/19/2007 1:40:00 PM Composite End Date/Time:

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Trichloroethene	79-01-6	< 1 ug/L		4/27/2007	1	1
Trichlorofluoromethane	75-69-4	< 1 ug/L		4/27/2007	1	1
Vinyl Chloride	75-01-4	< 1 ug/L		4/27/2007	1	1

- Qualifier: Description:
- B- Method blank contaminated with target analyte.
 - B1- BOD had total oxygen loss. Result reported as ">"the highest dilution.
 - B2- BOD had no oxygen loss. Result reported as "<" the lowest dilution.
 - G- Reporting limit elevated due to matrix interference.
 - H- Method prescribed holding time exceeded.
 - J- Indicates an estimated value. Value is less than the quantitation limit.
 - LH- Laboratory control spike(s) was high. Results may be biased high.
 - LL- Laboratory control spike(s) was low. Results may be biased low.
 - LH- Matrix spike recovery high. Results may be biased high.
 - ML- Matrix spike recovery low. Results may be biased low.
 - NC- Spike recovery was not calculated due to the concentration of the analyte being >4 times the concentration of the spike added.
 - R- RPD outside acceptable recovery limits.
 - RO- Sample received out of holding time.
 - S- Matrix spike recovery outside acceptance limits due to matrix.
 - SH- Surrogate recovery high due to matrix
 - SL- Surrogate recovery low due to matrix
 - TNTC- Too numerous to count.
 - U- BOD blank had an oxygen depletion greater than the suggested amount of 0.200.

Chemsolve

VOA LABORATORY CONTROL SPIKE RECOVERY FORM
EPA METHOD 8260B MADEP-MCP

CUSTOMER: Commonwealth Tank Inc.

LAB#: 07040339

JOB NAME: Robert Galehouse

JOB# 8337

LOCATION: 28 Calvin St. Lexington MA

SAMPLE IDENTITY: Control Spike 04/27/07

CONTROL #: 63147

DATE ANALYZED: 04/27/07

COMPOUND	MATRIX: LIQUID		%REC	% RECOVERY LIMITS
	CONC ADDED (ug/L)	AMT REC (ug/L)		
VINYL CHLORIDE	20	23	115%	70-130 %
DICHLORODIFLUOROMETHANE	20	22	110%	70-130 %
CHLOROMETHANE	20	22	110%	70-130 %
1,1-DICHLOROETHENE	20	24	120%	70-130 %
BROMOMETHANE	20	27	135%	70-130 %
CHLOROETHANE	20	27	135%	70-130 %
TRICHLOROFLUOROMETHANE	20	22	110%	70-130 %
DIETHYL ETHER	20	22	110%	70-130 %
ACETONE	50	61	122%	70-130 %
CARBON DISULFIDE	20	24	120%	70-130 %
TRANS-1,2-DICHLOROETHENE	20	25	125%	70-130 %
TERTIARY-BUTYL ALCOHOL	100	146	146%	70-130 %
METHYLENE CHLORIDE	20	28	140%	70-130 %
DI-ISOPROPYL ETHER	20	22	110%	70-130 %
METHYL-TERTIARY-BUTYL ETHER	40	46	115%	70-130 %
CIS-1,2-DICHLOROETHENE	20	21	105%	70-130 %
ETHYL TERTIARY-BUTYL ETHER	20	22	110%	70-130 %
1,1-DICHLOROETHANE	20	21	105%	70-130 %
TERTIARY-AMYL METHYL ETHER	20	21	105%	70-130 %
2-BUTANONE	50	55	110%	70-130 %
1,1-DICHLOROPROPENE	20	51	255%	70-130 %
2,2-DICHLOROPROPANE	20	20	100%	70-130 %
1,2-DICHLOROETHANE	20	23	115%	70-130 %
BROMOCHLOROMETHANE	20	21	105%	70-130 %
CHLOROFORM	20	22	110%	70-130 %
TETRAHYDROFURAN	20	19	95%	70-130 %
1,1,1-TRICHLOROETHANE	20	23	115%	70-130 %
CARBON TETRACHLORIDE	20	22	110%	70-130 %
BENZENE	20	22	110%	70-130 %
TRICHLOROETHENE	20	20	100%	70-130 %
1,2-DICHLOROPROPANE	20	21	105%	70-130 %
DIBROMOMETHANE	20	22	110%	70-130 %
BROMODICHLOROMETHANE	20	21	105%	70-130 %
CIS-1,3-DICHLOROPROPENE	20	19	95%	70-130 %
4-METHYL-2-PENTANONE	50	52	104%	70-130 %
1,3-DICHLOROPROPANE	20	18	90%	70-130 %
TOLUENE	20	18	90%	70-130 %
TRANS-1,3-DICHLOROPROPENE	20	19	95%	70-130 %
1,1,2-TRICHLOROETHANE	20	19	95%	70-130 %

Continued page 1 of 2

LABORATORY CONTROL SPIKE RECOVERY
EPA METHOD 8260B MADEP-MCP

TETRACHLOROETHENE	20	17	85%	70-130 %
2-HEXANONE	50	50	100%	70-130 %
1,1,1,2-TETRACHLOROETHANE	20	17	85%	70-130 %
DIBROMOCHLOROMETHANE	20	19	95%	70-130 %
1,2-DIBROMOETHANE	20	19	95%	70-130 %
M/P-XYLENE	40	32	80%	70-130 %
CHLOROBENZENE	20	16	80%	70-130 %
O-XYLENE	20	19	95%	70-130 %
ETHYLBENZENE	20	19	95%	70-130 %
1,1,2,2-TETRACHLOROETHANE	20	21	105%	70-130 %
1,2,3-TRICHLOROPROPANE	20	19	95%	70-130 %
STYRENE	20	19	95%	70-130 %
BROMOFORM	20	20	100%	70-130 %
1,2,4-TRIMETHYLBENZENE	20	18	90%	70-130 %
BROMOBENZENE	20	19	95%	70-130 %
1,2-DICHLOROBENZENE	20	20	100%	70-130 %
n-PROPYLBENZENE	20	19	95%	70-130 %
2-CHLOROTOLUENE	20	19	95%	70-130 %
4-CHLOROTOLUENE	20	19	95%	70-130 %
tert-BUTYLBENZENE	20	19	95%	70-130 %
ISOPROPYLBENZENE	20	20	100%	70-130 %
1,3,5-TRIMETHYLBENZENE	20	19	95%	70-130 %
1,2-DIBROMO-3-CHLOROPROPANE	20	21	105%	70-130 %
sec-BUTYLBENZENE	20	19	95%	70-130 %
1,3-DICHLOROBENZENE	20	20	100%	70-130 %
4-ISOPROPYLTOLUENE	20	20	100%	70-130 %
1,4-DICHLOROBENZENE	20	20	100%	70-130 %
n-BUTYLBENZENE	20	20	100%	70-130 %
NAPHTHALENE	20	19	95%	70-130 %
1,2,4-TRICHLOROBENZENE	20	20	100%	70-130 %
HEXACHLOROBUTADIENE	20	20	100%	70-130 %
1,2,3-TRICHLOROBENZENE	20	20	100%	70-130 %
1,4-DIOXANE	20	17	85%	70-130 %

SURROGATE	PERCENT RECOVERY	ACCEPTANCE LIMITS
DIBROMOFLUOROMETHANE	110%	70-130%
TOLUENE-D8	95%	70-130%
4-BROMOFLUOROBENZENE	100%	70-130%

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**VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B MADEP-MCP
METHOD BLANK**

CUSTOMER: Commonwealth Tank Inc.

LAB#: 07040339

JOB NAME: Robert Galehouse

JOB #: 8337

LOCATION: 28 Calvin St. Lexington MA

SAMPLE IDENTITY: Sump Pump

CONTROL #: 63147

DATE SAMPLED: 04/19/07

DATE REC'D: 04/23/07

DATE ANALYZED: 04/27/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
BENZENE	BDL	1
BROMOBENZENE	BDL	1
BROMOCHLOROMETHANE	BDL	1
BROMODICHLOROMETHANE	BDL	1
BROMOFORM	BDL	1
BROMOMETHANE	BDL	1
CARBON TETRACHLORIDE	BDL	1
CHLOROBENZENE	BDL	1
CHLOROETHANE	BDL	1
CHLOROFORM	BDL	1
CHLOROMETHANE	BDL	1
2-CHLOROTOLUENE	BDL	1
4-CHLOROTOLUENE	BDL	1
DIBROMOCHLOROMETHANE	BDL	1
1,2-DIBROMO-3-CHLOROPROPANE	BDL	1
1,2-DIBROMOETHANE	BDL	1
DIBROMOMETHANE	BDL	1
1,2-DICHLOROBENZENE	BDL	1
1,3-DICHLOROBENZENE	BDL	1
1,4-DICHLOROBENZENE	BDL	1
DICHLORODIFLUOROMETHANE	BDL	1
1,1-DICHLOROETHANE	BDL	1
1,2-DICHLOROETHANE	BDL	1
1,1-DICHLOROETHENE	BDL	1
CIS-1,2-DICHLOROETHENE	BDL	1
TRANS-1,2-DICHLOROETHENE	BDL	1
1,2-DICHLOROPROPANE	BDL	1
1,3-DICHLOROPROPANE	BDL	1
2,2-DICHLOROPROPANE	BDL	1
1,1-DICHLOROPROPENE	BDL	1
CIS-1,3-DICHLOROPROPENE	BDL	1
TRANS-1,3-DICHLOROPROPENE	BDL	1
ETHYLBENZENE	BDL	1
METHYLENE CHLORIDE	BDL	5
STYRENE	BDL	1
1,1,1,2-TETRACHLOROETHANE	BDL	1
1,1,2,2-TETRACHLOROETHANE	BDL	1
TETRACHLOROETHENE	BDL	1
TOLUENE	BDL	1
1,1,1-TRICHLOROETHANE	BDL	1

VOLATILE ORGANIC ANALYSIS
EPA METHOD 8260B MADEP-MCP
METHOD BLANK

CUSTOMER: Commonwealth Tank Inc.

LAB#: 07040339

JOB NAME: Robert Galehouse

LOCATION: 28 Calvin St. Lexington MA

SAMPLE IDENTITY: Sump Pump

CONTROL #: 63147

DATE SAMPLED: 04/19/07

DATE REC'D: 04/23/07

DATE ANALYZED: 04/27/07

MATRIX: LIQUID

COMPOUND	CONCENTRATION (UG/L)	DETECTION LIMIT BASED ON PQL DETECTION LIMIT MULTIPLIER: (UG/L) X 1
1,1,2-TRICHLOROETHANE	BDL	1
TRICHLOROETHENE	BDL	1
TRICHLOROFUOROMETHANE	BDL	1
1,2,3-TRICHLOROPROPANE	BDL	1
VINYL CHLORIDE	BDL	1
M/P-XYLENE	BDL	1
C-XYLENE	BDL	1
METHYL-TERTIARY-BUTYL ETHER	BDL	1
CARBON DISULFIDE	BDL	1
n-BUTYLBENZENE	BDL	1
sec-BUTYLBENZENE	BDL	1
tert-BUTYLBENZENE	BDL	1
ISOPROPYLBENZENE	BDL	1
4-ISOPROPYLTOLUENE	BDL	1
n-PROPYLBENZENE	BDL	1
1,2,3-TRICHLOROBENZENE	BDL	1
1,2,4-TRICHLOROBENZENE	BDL	1
1,2,4-TRIMETHYLBENZENE	BDL	1
1,3,5-TRIMETHYLBENZENE	BDL	1
NAPHTHALENE	BDL	1
HEXACHLOROBUTADIENE	BDL	1
TETRAHYDROFURAN	BDL	5
DIETHYL ETHER	BDL	5
2-HEXANONE	BDL	25
4-METHYL-2-PENTANONE	BDL	25
2-BUTANONE	BDL	25
ACETONE	BDL	50
TERTIARY-AMYL METHYL ETHER	BDL	1
ETHYL TERTIARY-BUTYL ETHER	BDL	1
DI-ISOPROPYL ETHER	BDL	1
TERTIARY-BUTYL ALCOHOL	BDL	20
1,4-DIOXANE	BDL	1

SURROGATE	PERCENT RECOVERY	ACCEPTANCE LIMITS
DIBROMOFLUOROMETHANE	105%	70-130%
TOLUENE-D8	94%	70-130%
4-BROMOFLUOROBENZENE	101%	70-130%

NOTE: NON-TARGET COMPOUNDS ABSENT

BDL=BELOW DETECTION LIMIT
ANALYZED BY: TD

Chemsolve

**ICP Laboratory Control Sample Recoveries
SW846-6010B MADEP-MCP**

CUSTOMER: Commonwealth Tank

LAB#: 07040339

JOB NAME: Robert Galehouse

JOB#: 8337

LOCATION: 28 Calvin St.
Lexington, MA

SAMPLE IDENTITY: BS050407-AQ

CONTROL#: 63147

DATE ANALYZED: 5-7-07

COMPOUND	CONC ADDED (MG/L)	AMT REC (MG/L)	%REC	% RECOVERY LIMITS
Antimony	1.0	0.896	89.6	80-120%
Arsenic	1.0	0.949	94.9	80-120%
Barium	1.0	0.989	98.9	80-120%
Beryllium	1.0	0.958	95.8	80-120%
Cadmium	1.0	0.926	92.6	80-120%
Chromium	1.0	0.961	96.1	80-120%
Lead	1.0	0.993	99.3	80-120%
Nickel	1.0	0.943	94.3	80-120%
Selenium	1.0	0.865	86.5	80-120%
Silver	1.0	0.923	92.3	80-120%
Thallium	1.0	0.852	85.2	80-120%
Vanadium	1.0	0.899	89.9	80-120%
Zinc	1.0	0.938	93.8	80-120%
Mercury SW7470A	0.005	0.0039	78	80-120%



Surrogate Report

Client: Commonwealth Tank Environmental Inc.

Order #: 07040339

Matrix: Groundwater

Units: ug/L			Percent	Surrogate	Surrogate	Control
Sample Number	Surrogate	Method	Recovery	Amount	Result	Limits
07040339-001	2-Bromonapthalene	MADEP-EPH	66.2	50	33.1	40-140
07040339-001	Chloro-Octadecane	MADEP-EPH	57.8	50	28.9	40-140
07040339-001	O-Terphenyl	MADEP-EPH	54.2	50	27.1	40-140

Units: ug/L			Percent	Surrogate	Surrogate	Control
Sample Number	Surrogate	Method	Recovery	Amount	Result	Limits
07040339-001	4-Bromofluorobenzene	SW 8260B	94.45	20	18.89	14-26
07040339-001	Dibromofluoromethane	SW 8260B	123.4	20	24.68	14-26
07040339-001	Toluene-d8	SW 8260B	91.7	20	18.34	14-26

Non-requested MCP target compounds were detected during the analysis of your samples. According to MCP regulations we are required to inform you of these findings. Please indicate whether you want us to report these results. Please be aware that there will be additional costs associated with reporting these results.

Sample Identity: 07040339

Sincerely

Chemserve

I would like the additional compounds reported. _____
Signature and Date

I do not want the additional compounds reported _____
Signature and Date

If this fax is not returned within 48 hours, non-requested results will not be reported.

Date and time faxed: _____

Sample Discrepancy / Resolution Form

Company: Comm Tank

Laboratory #: 63 Control #: 63147

Sample Identification: Sump Pump

Discrepancy:

Sample collected 4/19 13:40
Residual Chlorine & pH analysis
are out of hold.

Resolution:

Run OK & Flag cleared (me)

Victoria L. Recott
Received By Sample Custodian

4/24/07
Date

Please CC to the following people: