

 **Williamson
Environmental LLC**

280 Ayer Road, Harvard, MA 01451 • Office: (978) 862-0110 • Fax: (978) 862-0111

March 1, 2007

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

Re: Notice of Intent for Remediation General Permit (RGP)
North Adams XtraMart
Rt 8A – 232 Ashland Street
North Adams, MA 01247

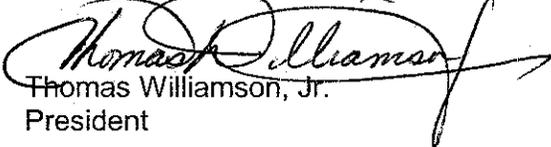
To Whom It May Concern:

On behalf of Drake Petroleum Company, Inc., Williamson Environmental LLC (Williamson Environmental) has prepared this Notice of Intent (NOI) for a new discharge at the above referenced location.

Should you have questions or require additional information, please contact the undersigned.

Sincerely,

Williamson Environmental LLC


Thomas Williamson, Jr.
President

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: North Adams XtraMart		Facility/site address:		
Location of facility/site: longitude: <u>73:06</u> latitude: <u>42:41</u>	Facility SIC code(s): 5541	Street: RT 8A - 232 Ashland Street		
b) Name of facility/site owner: Drake Petroleum Co., Inc.		Town: North Adams		
Email address of owner:		State: MA	Zip: 01247	County: Berkshire
Telephone no. of facility/site owner: (860) 935-5200		Owner is (check one): 1. Federal ___ 2. State/Tribal ___ 3. Private <input checked="" type="checkbox"/> 4. other, if so, describe:		
Fax no. of facility/site owner:				
Address of owner (if different from site):				
Street: 221 Quinebaug Road				
Town: N. Grosvenordale	State: CT	Zip: 06255	County:	
c) Legal name of operator: Williamson Environmental LLC		Operator telephone no: (978) 862-0110		
		Operator fax no.: (978) 862-0111	Operator email: heidir@williamsonenv.com	
Operator contact name and title: Thomas Williamson, Jr. LSP				

Address of operator (if different from owner):		Street: 280 Ayer Road	
Town: Harvard	State: MA	Zip: 01451	County: Worcester
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 <input checked="" type="checkbox"/> No ___ If "yes," please list: 1. site identification # assigned by the state of NH or MA: RTN 1-11332 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: MA DEP WERO Springfield, MA 413/784-1100		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: Project involves dewatering as a remedial action during site reconstruction at a retail gasoline station.		
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>0.11</u> Average flow <u>0.04</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.
	3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>73:06</u> lat. <u>42:41</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 <input checked="" type="checkbox"/> or seasonal _____? Is discharge ongoing Yes _____ No <input checked="" type="checkbox"/> ?
c) Expected dates of discharge (mm/dd/yy): start <u>04/01/07</u> end <u>11/01/07</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	grab	160.2	8000	17300			
2. Total Residual Chlorine	✓		1	grab	330.4	50	<50			
3. Total Petroleum Hydrocarbons	✓		1	grab	1664	4,100	<4100			
4. Cyanide	✓		1	grab	9012	10	<10			
5. Benzene	✓		1	grab	8260B	2.5	<2.5			
6. Toluene	✓		1	grab	8260B	5.0	<5.0			
7. Ethylbenzene		✓	1	grab	8260B	5.0	13.6			
8. (m,p,o) Xylenes		✓	1	grab	8260B	5.0	57.1			
9. Total BTEX ⁴		✓	1	grab	8260B	---	70.7			

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	grab	504.1	0.01	<0.01			
11. Methyl-tert-Butyl Ether (MtBE)		✓	1	grab	8260B	5	5.1			
12. tert-Butyl Alcohol (TBA)	✓		1	grab	8260B	500	<500			
13. tert-Amyl Methyl Ether (TAME)	✓		1	grab	8260B	10	<10			
14. Naphthalene		✓	1	grab	8260B	25	50.5			
15. Carbon Tetrachloride	✓		1	grab	8260B	5.0	<5.0			
16. 1,4 Dichlorobenzene	✓		1	grab	8260B	5.0	<5.0			
17. 1,2 Dichlorobenzene	✓		1	grab	8260B	5.0	<5.0			
18. 1,3 Dichlorobenzene	✓		1	grab	8260B	5.0	<5.0			
19. 1,1 Dichloroethane	✓		1	grab	8260B	5.0	<5.0			
20. 1,2 Dichloroethane	✓		1	grab	8260B	5.0	<5.0			
21. 1,1 Dichloroethylene	✓		1	grab	8260B	5.0	<5.0			
22. cis-1,2 Dichloroethylene	✓		1	grab	8260B	5.0	<5.0			
23. Dichloromethane (Methylene Chloride)	✓		1	grab	8260B	10	<10			
24. Tetrachloroethylene	✓		1	grab	8260B	5.0	<5.0			

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	grab	8260B	5.0	<5.0			
26. 1,1,2 Trichloroethane	✓		1	grab	8260B	5.0	<5.0			
27. Trichloroethylene	✓		1	grab	8260B	5.0	<5.0			
28. Vinyl Chloride	✓		1	grab	8260B	5.0	<5.0			
29. Acetone	✓		1	grab	8260B	25	<25			
30. 1,4 Dioxane	✓		1	grab	8260B	130	<130			
31. Total Phenols	✓		1	grab		ND	ND			
32. Pentachlorophenol	✓		1	grab	8270C	11	<11			
33. Total Phthalates ⁵ (Phthalate esthers)	✓		1	grab	8270C	ND	ND			
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	grab	8270C	11	<11			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	grab	8270C	ND	ND			
a. Benzo(a) Anthracene	✓		1	grab	8270C	5.6	<5.6			
b. Benzo(a) Pyrene	✓		1	grab	8270C	5.6	<5.6			
c. Benzo(b)Fluoranthene	✓		1	grab	8270C	5.6	<5.6			
d. Benzo(k) Fluoranthene	✓		1	grab	8270C	5.6	<5.6			
e. Chrysene	✓		1	grab	8270C	5.6	<5.6			

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	grab	8270C	5.6	<5.6			
g. Indeno(1,2,3-cd) Pyrene	✓		1	grab	8270C	5.6	<5.6			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)			1	grab	8270C	---	---			
h. Acenaphthene	✓		1	grab	8270C	5.6	<5.6			
i. Acenaphthylene	✓		1	grab	8270C	5.6	<5.6			
j. Anthracene	✓		1	grab	8270C	5.6	<5.6			
k. Benzo(ghi) Perylene	✓		1	grab	8270C	5.6	<5.6			
l. Fluoranthene	✓		1	grab	8270C	5.6	<5.6			
m. Fluorene	✓		1	grab	8270C	5.6	<5.6			
n. Naphthalene-		✓	1	grab	8270C	5.6	14			
o. Phenanthrene	✓		1	grab	8270C	5.6	<5.6			
p. Pyrene	✓		1	grab	8270C	5.6	<5.6			
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	grab	3510C	0.25	<0.25			
38. Antimony	✓		1	grab	3010A	6	<6			
39. Arsenic		✓	1	grab	3010A	5	22.6			
40. Cadmium	✓		1	grab	3010A	4	<4			
41. Chromium III		✓	1	grab	3010A	10	20.4			
42. Chromium VI	✓		1	grab	7196A	0.20	<0.20			

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	grab	6010B	5	56			
44. Lead		✓	1	grab	3010A	5	178			
45. Mercury		✓	1	grab	7470A	0.20	0.23			
46. Nickel		✓	1	grab	3010A	40	49.9			
47. Selenium	✓		1	grab	3010A	10	<10			
48. Silver	✓		1	grab	3010A	5	<5.0			
49. Zinc		✓	1	grab	3010A	20	184			
50. Iron		✓	1	grab	6010B	5	48,80			
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 <input checked="" type="checkbox"/> N <input type="checkbox"/></p>	<p>If yes, which metals? As, Cu, Pb, Ni, Zn, Fe</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: As, Cu, Pb, Ni, Zn, Fe _____ 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 <input checked="" type="checkbox"/> N <input type="checkbox"/> If "Yes," list which metals: Fe, Pb</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: see attached schematic						
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):			
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 <u>75</u> Maximum flow rate of treatment system <u>100</u> Design flow rate of treatment system <u>100</u>						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): NA						

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):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: The catch basin at intersection of Ashland Street and Porter Street ultimately discharges to the Hoosic River.						

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:

1. For multiple discharges, number the discharges sequentially.

2. For indirect discharges, indicate the location of the discharge to the indirect conveyance and the discharge to surface water

The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

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

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

Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? 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? Yes ___ 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?

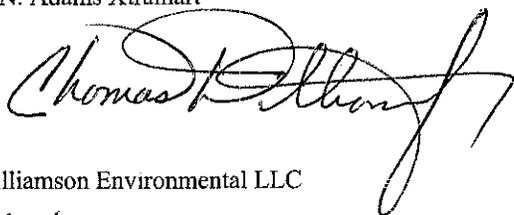
Yes ___ No Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes ___ No

7. Supplemental information. :

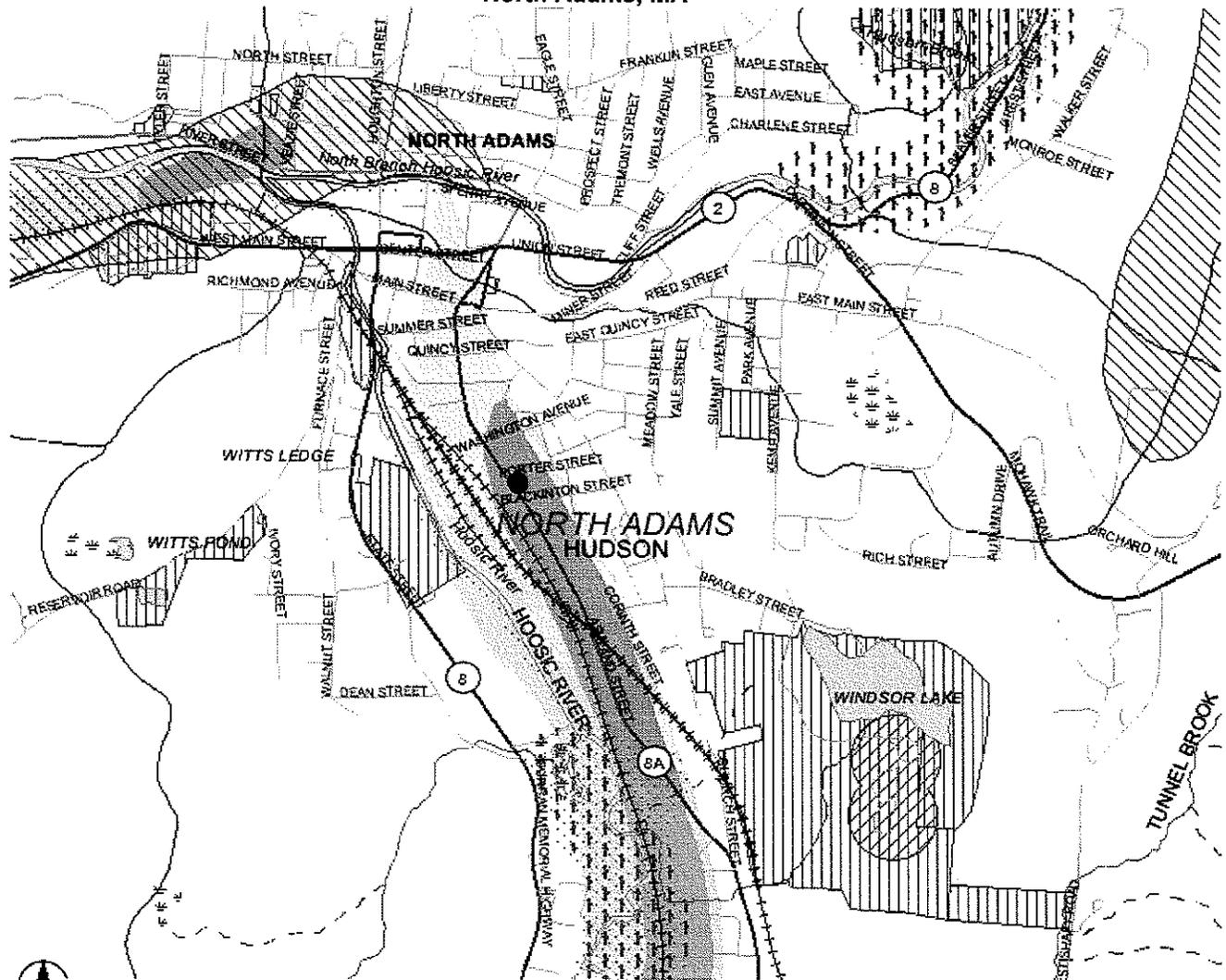
Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

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:	N. Adams Xtramart
Operator signature:	
Title:	President, Williamson Environmental LLC
Date:	3/1/07

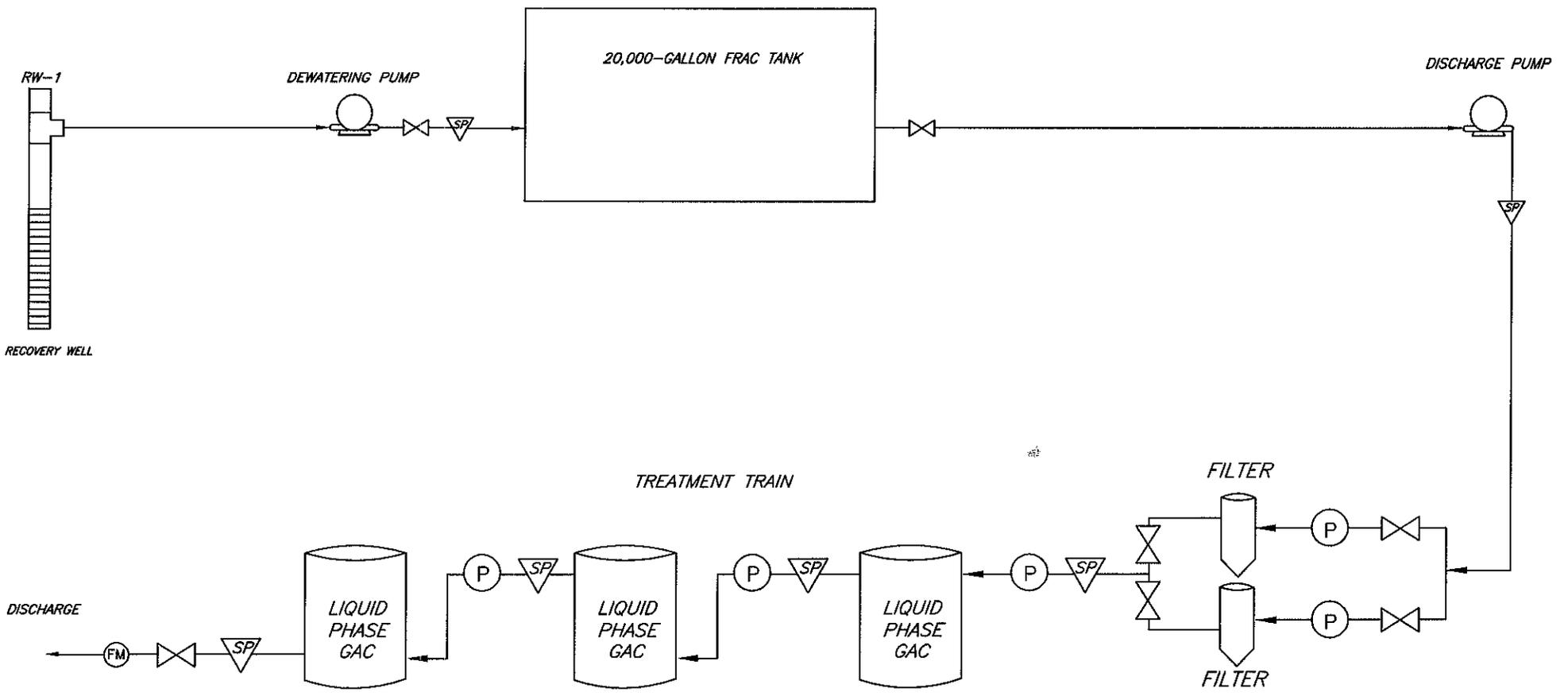
**MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEMS
 PRIORITY RESOURCE MAP
 North Adams Xtramart
 Rt. 8A – 232 Ashland Street
 North Adams, MA**



DEP MCP 21e Map Legend

Zone IIs	IWPAs	Zone A	Sole Source Aquifers	Solid Waste Sites	Protected Openspace	ACECs	NHESP Estimated Habitat of Rare Wildlife in Wetland Areas	Certified Vernal Pools 2003 NHESP	Subbasins	Mass Major Basins	DEP Region	Town Arcs	County Boundaries																								
Public Water Supplies	COMMUNITY PUBLIC WATER SUPPLY GROUNDWATER	COMMUNITY PUBLIC WATER SUPPLY SURFACE WATER	NON COMMUNITY PUBLIC WATER SUPPLY	Aquifers By Yield	HIGH YIELD	MEDIUM YIELD	Non Potential Drinking Water Source Area	HIGH YIELD	MEDIUM YIELD	FEMA Floodplains	100 YEAR FLOODPLAIN	Hydrography	WATER	RESERVOIR	WETLANDS	SALTWATER WETLANDS	FLATS SHOALS	Rivers and Streams	PERENNIAL	INTERMITTENT	SHORELINE	MAN MADE SHORE	DAM	AQUEDUCT	MHD Roads	LIMITED ACCESS HIGHWAY	MULTILANE HWY NOT LIMITED ACCESS	OTHER NUMBERED HWY	MAJOR ROAD COLLECTOR	MINOR STREET OR ROAD RAMP	Tracks and Trails MHD	TRACK	TRAIL	Transmission Lines	PIPELINE	POWERLINE	TRAIN





LEGEND

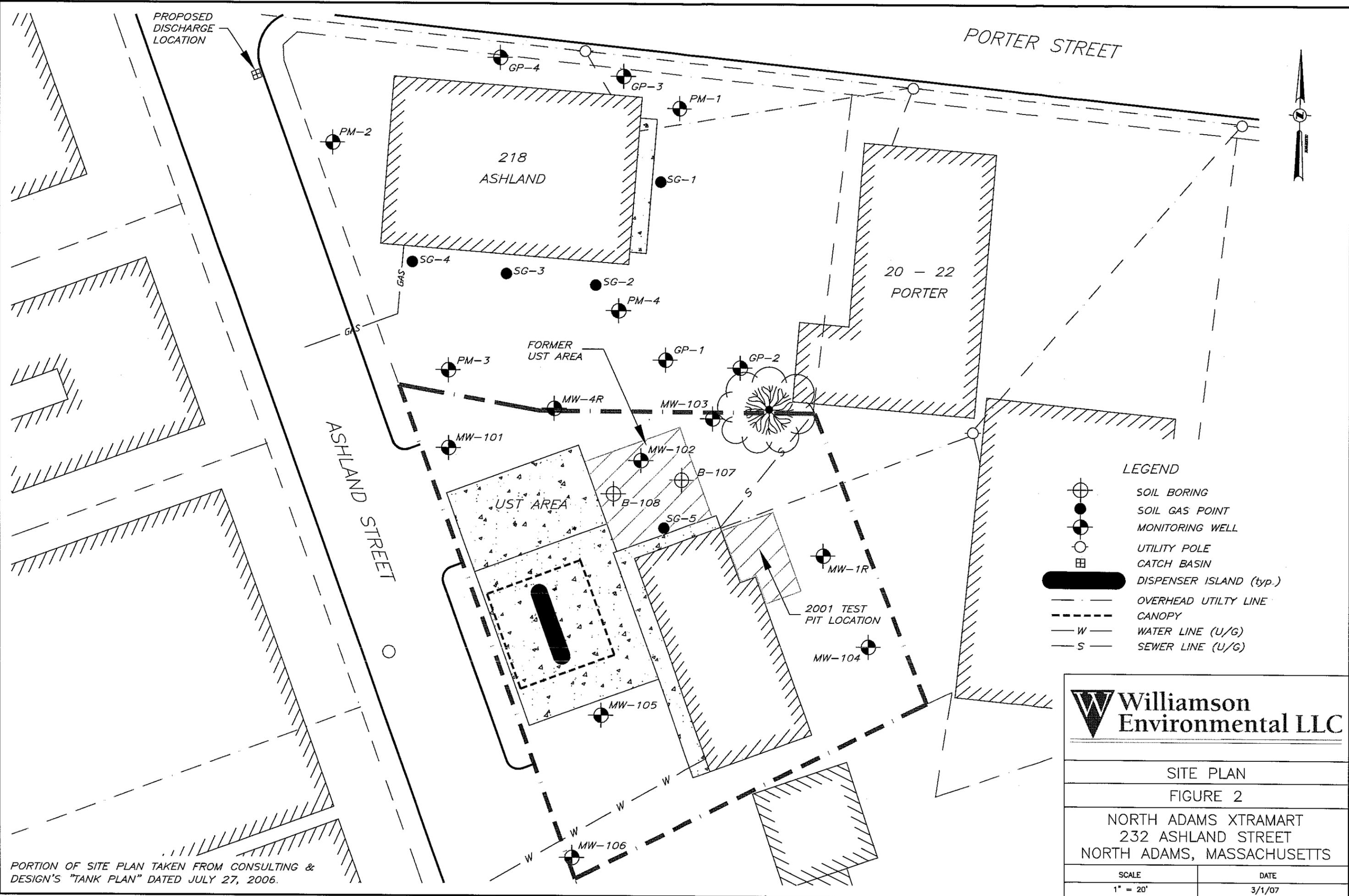
- P** PRESSURE GAUGE
- FM** FLOW METER
- ◇** CONTROL VALVE
- SP** SAMPLE PORT
- FLOW DIRECTION

FIGURE 1

PROPOSED SYSTEM SCHEMATIC DIAGRAM	
REVISION DATE 3/22/06	SCALE IN FEET NOT TO SCALE

North Adams XtraMart
 RT 8A – 232 Ashland Street
 NORTH ADAMS, MASSACHUSETTS





PORTION OF SITE PLAN TAKEN FROM CONSULTING & DESIGN'S "TANK PLAN" DATED JULY 27, 2006.

 Williamson Environmental LLC	
SITE PLAN FIGURE 2	
NORTH ADAMS XTRAMART 232 ASHLAND STREET NORTH ADAMS, MASSACHUSETTS	
SCALE	DATE
1" = 20'	3/1/07



03/13/06

RECEIVED MAR 13 2006

Technical Report for

Drake Petroleum Co., Inc.

WILLEMA:Xtramart North Adams MA

PC# 007230

Accutest Job Number: M54781

Sampling Date: 02/24/06



Report to:

labdata@williamsonenv.com

ATTN: Distribution5

Total number of pages in report: 18



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Fand
Reza Fand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579)
NY (23346) NJ (MA926) NAVY USACE

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Table of Contents

Sections:



-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Sample Results	7
3.1: M54781-1: MW-102	8
Section 4: Misc. Forms	16
4.1: Chain of Custody	17
4.2: MCP Form	18



Sample Summary

Drake Petroleum Co., Inc.

Job No: M54781

WILLEMA:Xtramart North Adams MA
Project No: PC# 007230

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M54781-1	02/24/06	11:30 MP	02/24/06	AQ	Ground Water	MW-102

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Drake Petroleum Co., Inc

Job No M54781

Site: WILLEMA:Xtramart North Adams MA

Report Date 3/10/2006 2:08:38 PM

1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 02/24/2006 and were received at Accutest on 02/24/2006 properly preserved, at 3-4 Deg. C and intact. These Samples received an Accutest job number of M54781. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ	Batch ID: MSI1058
------------------	--------------------------

- ☐ All samples were analyzed within the recommended method holding time
- ☐ All method blanks for this batch meet method specific criteria
- ☐ Sample(s) M54935-2MS, M54935-2MSD were used as the QC samples indicated
- ☐ Matrix Spike Duplicate Recovery(s) for Bromoform are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike

Extractables by GCMS By Method SW846 8270C

Matrix AQ	Batch ID: OP10657
------------------	--------------------------

- ☐ All samples were extracted within the recommended method holding time
- ☐ All samples were analyzed within the recommended method holding time
- ☐ All method blanks for this batch meet method specific criteria
- ☐ Sample(s) M54802-1MS, M54802-1MSD were used as the QC samples indicated
- ☐ Matrix Spike and Matrix Spike Duplicate Recovery(s) for 4-Chloroaniline are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike
- ☐ RPD(s) for MSD for 2,4-Dimethylphenol, 2,4-Dinitrophenol are outside control limits for sample OP10657-MSD. High RPD due to possible matrix interference and/or sample non-homogeneity
- ☐ RPD(s) for OP10657-BSD for Aniline, Benzoic Acid, 2,4-Dinitrophenol, Pentachlorophenol: Outside control limits. Associated samples are non-detect for this compound

Extractables by GC By Method SW846 8082

Matrix AQ	Batch ID: OP10665
------------------	--------------------------

- ☐ All samples were extracted within the recommended method holding time
- ☐ All samples were analyzed within the recommended method holding time
- ☐ All method blanks for this batch meet method specific criteria
- ☐ Sample(s) M54820-1MS, M54820-1MSD were used as the QC samples indicated

Metals By Method SW846 6010B

Matrix	AQ	Batch ID:	MP8283
--------	----	-----------	--------

- ▣ All samples were digested within the recommended method holding time
- ▣ All samples were analyzed within the recommended method holding time
- ▣ All method blanks for this batch meet method specific criteria
- ▣ Sample(s) M54781-1DUP, M54781-1MS, M54781-1SDL were used as the QC samples for metals
- ▣ RPD(s) for Duplicate for Selenium are outside control limits for sample MP8283-D1. RPD acceptable due to low duplicate and sample concentrations.
- ▣ RPD(s) for Serial Dilution for Arsenic, Cadmium, Zinc are outside control limits for sample MP8283-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix	AQ	Batch ID:	MP8296
--------	----	-----------	--------

- ▣ All samples were digested within the recommended method holding time
- ▣ All samples were analyzed within the recommended method holding time.
- ▣ All method blanks for this batch meet method specific criteria
- ▣ Sample(s) M54814-1DUP, M54814-1MS were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.2

Matrix	AQ	Batch ID:	GN19152
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- ▣ All samples were analyzed within the recommended method holding time
- ▣ All method blanks for this batch meet method specific criteria
- ▣ Sample(s) M54815-9DUP were used as the QC samples for Solids, Total Suspended

Wet Chemistry By Method EPA 1664

Matrix	AQ	Batch ID:	GP6452
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- ▣ All samples were distilled within the recommended method holding time.
- ▣ All samples were analyzed within the recommended method holding time
- ▣ All method blanks for this batch meet method specific criteria
- ▣ Sample(s) M54720-2MS, M54720-2MSD were used as the QC samples for Oil And Grease, Gravimetric.

Wet Chemistry By Method EPA 330.4

Matrix	AQ	Batch ID:	GN19133
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- ▣ All samples were analyzed within the recommended method holding time
- ▣ All method blanks for this batch meet method specific criteria.
- ▣ Sample(s) M54781-1DUP, M54781-1MS were used as the QC samples for Total Residual Chlorine
- ▣ GN19133-S1 for Total Residual Chlorine: Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Wet Chemistry By Method SW846 7196A

Matrix	AQ	Batch ID:	GN19131
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- ▣ All samples were analyzed within the recommended method holding time
- ▣ All method blanks for this batch meet method specific criteria.
- ▣ Sample(s) M54781-1DUP, M54781-1MS were used as the QC samples for Chromium, Hexavalent
- ▣ GN19131-DI, GN19131-S1, M54781-1 for Chromium, Hexavalent: Elevated RL due to dilution required for matrix interference

Wet Chemistry By Method SW846 9012

Matrix AQ	Batch ID: GP6454
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2

- ☐ All samples were distilled within the recommended method holding time.
- ☐ All samples were analyzed within the recommended method holding time.
- ☐ All method blanks for this batch meet method specific criteria
- ☐ Sample(s) M54930-1DUP, M54930-1MS were used as the QC samples for Cyanide.

Note: Compounds whose QC limits are outside MCP criteria are designated by the lab as "Difficult". QC criteria for a "Difficult" compound may meet Accutest in-house generated QC criteria but exceed MCP criteria (compounds exceeding Accutest QC criteria are flagged on the QC summary) Refer to the QC summary pages.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M54781)

Friday, March 10, 2006

Page 3 of 3



Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: MW-102	Date Sampled: 02/24/06
Lab Sample ID: M54781-1	Date Received: 02/24/06
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: WILLEMA:Xtramart North Adams MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I36688.D	5	03/06/06	TW	n/a	n/a	MSI1058
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	25	ug/l	
71-43-2	Benzene	ND	2.5	ug/l	
108-86-1	Bromobenzene	ND	25	ug/l	
74-97-5	Bromochloromethane	ND	25	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	ug/l	
75-25-2	Bromoform	ND	5.0	ug/l	
74-83-9	Bromomethane	ND	10	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	ug/l	
104-51-8	n-Butylbenzene	47.1	25	ug/l	
135-98-8	sec-Butylbenzene	ND	25	ug/l	
98-06-6	tert-Butylbenzene	ND	25	ug/l	
75-15-0	Carbon disulfide	ND	25	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	ug/l	
108-90-7	Chlorobenzene	ND	5.0	ug/l	
75-00-3	Chloroethane	ND	10	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	10	ug/l	
95-49-8	o-Chlorotoluene	ND	25	ug/l	
106-43-4	p-Chlorotoluene	ND	25	ug/l	
108-20-3	Di-Isopropyl ether	ND	10	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-102	Date Sampled:	02/24/06
Lab Sample ID:	M54781-1	Date Received:	02/24/06
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	WILI EMA:Xtramart North Adams MA		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	10	ug/l	
142-28-9	1,3-Dichloropropane	ND	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	25	ug/l	
563-58-6	1,1-Dichloropropene	ND	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	ug/l	
123-91-1	1,4-Dioxane	ND	130	ug/l	
60-29-7	Ethyl Ether	ND	25	ug/l	
100-41-4	Ethylbenzene	13.6	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	25	ug/l	
591-78-6	2-Hexanone	ND	25	ug/l	
98-82-8	Isopropylbenzene	ND	25	ug/l	
99-87-6	p-Isopropyltoluene	ND	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.1	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	25	ug/l	
74-95-3	Methylene bromide	ND	25	ug/l	
75-09-2	Methylene chloride	ND	10	ug/l	
91-20-3	Naphthalene	50.5	25	ug/l	
103-65-1	n-Propylbenzene	ND	25	ug/l	
100-42-5	Styrene	ND	25	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	10	ug/l	
75-65-0	Tert Butyl Alcohol	ND	500	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	10	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	ug/l	
109-99-9	Tetrahydrofuran	ND	50	ug/l	
108-88-3	Toluene	ND	5.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/l	
79-01-6	Trichloroethene	ND	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	217	25	ug/l	
108-67-8	1,3,5-Trimethylbenzene	56.1	25	ug/l	
75-01-4	Vinyl chloride	ND	5.0	ug/l	
	m,p-Xylene	43.0	5.0	ug/l	
95-47-6	o-Xylene	14.1	5.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: MW-102 Lab Sample ID: M54781-1 Matrix: AQ - Ground Water Method: SW846 8260B Project: WILLEMA:Xtramart North Adams MA	Date Sampled: 02/24/06 Date Received: 02/24/06 Percent Solids: n/a
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VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylene (total)	57.1	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-127%
2037-26-5	Toluene-D8	100%		89-112%
460-00-4	4-Bromofluorobenzene	106%		81-119%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: MW-102	Date Sampled: 02/24/06
Lab Sample ID: M54781-1	Date Received: 02/24/06
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270C SW846 3510C	
Project: WILLIEMA:Xtramart North Adams MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F18965.D	1	03/07/06	PN	02/27/06	OP10657	MSF979
Run #2							

Run #	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
65-85-0	Benzoic Acid	ND	11	ug/l	
95-57-8	2-Chlorophenol	ND	5.6	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	ug/l	
95-48-7	2-Methylphenol	ND	11	ug/l	
	3&4-Methylphenol	ND	11	ug/l	
88-75-5	2-Nitrophenol	ND	11	ug/l	
100-02-7	4-Nitrophenol	ND	22	ug/l	
87-86-5	Pentachlorophenol	ND	11	ug/l	
108-95-2	Phenol	ND	5.6	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	11	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	ug/l	
83-32-9	Acenaphthene	ND	5.6	ug/l	
208-96-8	Acenaphthylene	ND	5.6	ug/l	
98-86-2	Acetophenone	ND	11	ug/l	
62-53-3	Aniline	ND	11	ug/l	
120-12-7	Anthracene	ND	5.6	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.6	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.6	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.6	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.6	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.6	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.6	ug/l	
85-68-7	Butyl benzyl phthalate	ND	11	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.6	ug/l	
106-47-8	4-Chloroaniline	ND	11	ug/l	
218-01-9	Chrysene	ND	5.6	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.6	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.6	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.6	ug/l	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: MW-102	Date Sampled: 02/24/06
Lab Sample ID: M54781-1	Date Received: 02/24/06
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270C SW846 3510C	
Project: WILLEMA:Xtramart North Adams MA	

ABN MCP List

CAS No.	Compound	Result	RL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	5.6	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.6	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.6	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.6	ug/l	
132-64-9	Dibenzofuran	ND	5.6	ug/l	
84-74-2	Di-n-butyl phthalate	ND	11	ug/l	
117-84-0	Di-n-octyl phthalate	ND	11	ug/l	
84-66-2	Diethyl phthalate	ND	11	ug/l	
131-11-3	Dimethyl phthalate	ND	11	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	11	ug/l	
206-44-0	Fluoranthene	ND	5.6	ug/l	
86-73-7	Fluorene	ND	5.6	ug/l	
118-74-1	Hexachlorobenzene	ND	5.6	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.6	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	ug/l	
67-72-1	Hexachloroethane	ND	5.6	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.6	ug/l	
78-59-1	Isophorone	ND	5.6	ug/l	
91-57-6	2-Methylnaphthalene	8.3	5.6	ug/l	
91-20-3	Naphthalene	14.0	5.6	ug/l	
98-95-3	Nitrobenzene	ND	5.6	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.6	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	ug/l	
85-01-8	Phenanthrene	ND	5.6	ug/l	
129-00-0	Pyrene	ND	5.6	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		15-110%
4165-62-2	Phenol-d5	39%		15-110%
118-79-6	2,4,6-Tribromophenol	92%		21-110%
4165-60-0	Nitrobenzene-d5	52%		30-120%
321-60-8	2-Fluorobiphenyl	36%		35-120%
1718-51-0	Terphenyl-d14	37%		31-120%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

3.1
Q

Client Sample ID: MW-102	Date Sampled: 02/24/06
Lab Sample ID: M54781-1	Date Received: 02/24/06
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8082 SW846 3510C	
Project: WILLEMA:Xtramart North Adams MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ33046.D	1	03/06/06	CZ	02/28/06	OP10665	GYZ1353
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		42-132%
877-09-8	Tetrachloro-m-xylene	81%		42-132%
2051-24-3	Decachlorobiphenyl	86%		30-146%
2051-24-3	Decachlorobiphenyl	83%		30-146%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-102	Date Sampled: 02/24/06
Lab Sample ID: M54781-1	Date Received: 02/24/06
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: WILLEMA:Xtramart North Adams MA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	03/01/06	03/07/06 HBM	SW846 6010B ³	SW846 3010A ⁴
Arsenic	22.6	5.0	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Barium	264	200	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Beryllium	< 4.0	4.0	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Cadmium	< 4.0	4.0	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Chromium	20.4	10	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Lead	178	5.0	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Mercury	0.23	0.20	ug/l	1	03/04/06	03/06/06 MA	SW846 7470A ¹	SW846 7470A ⁵
Nickel	49.9	40	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Silver	< 5.0	5.0	ug/l	1	03/01/06	03/07/06 HBM	SW846 6010B ³	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/01/06	03/07/06 HBM	SW846 6010B ³	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴
Zinc	184	20	ug/l	1	03/01/06	03/06/06 OP	SW846 6010B ²	SW846 3010A ⁴

- (1) Instrument QC Batch: MA6727
- (2) Instrument QC Batch: MA6730
- (3) Instrument QC Batch: MA6735
- (4) Prep QC Batch: MP8283
- (5) Prep QC Batch: MP8296

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-102 Lab Sample ID: M54781-1 Matrix: AQ - Ground Water Project: WILLEMA:Xtramart North Adams MA	Date Sampled: 02/24/06 Date Received: 02/24/06 Percent Solids: n/a
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General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	< 0.20	0.20	mg/l	20	02/24/06 17:03	MA	SW846 7196A
Cyanide	< 0.010	0.010	mg/l	1	03/06/06 15:20	MA	SW846 9012
Oil And Grease, Gravimetric	< 4.1	4.1	mg/l	1	03/03/06	BF	EPA 1664
Solids, Total Suspended	1730	8.0	mg/l	2	02/28/06	BF	EPA 160.2
Total Residual Chlorine	< 0.050	0.050	mg/l	1	02/24/06 17:35	MA	EPA 330.4

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit



IT'S ALL IN THE CHEMISTRY

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form



Massachusetts Department
of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-CAM
21 May 2004
Final

Exhibit VII A-1
Revision No. 3.2
Page 10 of 32

4.2
4

Title: MADEP MCP Response Action Analytical Report Certification Form

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Accutest Laboratories of New England			Project #:	M54781					
Project Location:	WILLEMA:Xtramart North Adams MA			MADEP RTN	None					
This form provides certifications for the following data set: M54781-1										
Sample Matrices:	Groundwater	X	Soil/Sediment	()	Drinking Water	()	Other:	()	()	
MCP SW-846 Methods Used	8260B	(X)	8151A	()	8330	()	6010B	(X)	7470A/1A	(X)
	8270C	(X)	8081A	()	VPH	()	6020	()	9014M	² ()
As specified in MADEP Compendium of Analytical Methods. (Check all that apply)	8082	(X)	8021B	()	EPH	()	7000 S	³ ()	7196A	(X)
¹ List Release Tracking Number (RTN), if known ² M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method ³ S - SW-846 Methods 7000 Series. List individual method and analyte										

An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty status"

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications as specified in Section 11.3?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No ¹

A response to questions E and F below is required for "Presumptive Certainty" status

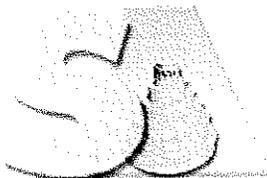
E	Were all QC performance standards and recommendations for the specified methods achieved?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No ¹
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No 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:	Reza Tand	Date:	03/10/2006

Report Date:
12-Feb-07 10:17



- Final Report
- Re-Issued Report
- Revised Report

SPECTRUM ANALYTICAL, INC.

Featuring
HANIBAL TECHNOLOGY

Laboratory Report

RECEIVED FEB 12 2007

Williamson Environmental, I.I.C
280 Ayer Road
Harvard, MA 01451
Attn: Heidi Resca

Project: 232 Ashland St - North Adams, MA
Project Ashland 232

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA57756-01	MW-102	Ground Water	05-Feb-07 12:00	05-Feb-07 15:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Please note that this report contains 5 pages of analytical data plus Chain of Custody document(s).

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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
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Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VI-11393



Authorized by:

Hanibal C. Tayeh, Ph D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012)

CASE NARRATIVE:

The data set for work order SA57756 complies with internal QC criteria for the methods performed. The samples were received @ 2.0 degrees Celsius. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

According to WSC-CAM 5/2004 Rev 4, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended 70%-130% recovery range, a range has been set based on historical control limits.

Please refer to "Notes and Definitions" for all sample/analyte qualifiers. Qualifiers will narrate any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

Sample Identification

MW-102
SA57756-01

Client Project #
Ashland 232

Matrix
Ground Water

Collection Date/Time
05-Feb-07 12:00

Received
05-Feb-07

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Batch</i>	<i>Analyst</i>
Total Metals by EPA 6000/7000 Series Methods											
7440-50-8	Copper	0.0563		mg/l	0.0050	1	SW846 6010B	08-Feb-07	08-Feb-07	7020485	LR
7439-89-6	Iron	48.8		mg/l	0.0050	1			"		"

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* Reportable Detection Limit

BRL = Below Reporting Limit

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7020485 - SW846 3005A										
<u>Blank (7020485-BLK1)</u>										
Prepared & Analyzed: 08-Feb-07										
Iron	BRL		mg/l	0.0050						
Copper	BRL		mg/l	0.0050						
<u>LCS (7020485-BS1)</u>										
Prepared & Analyzed: 08-Feb-07										
Iron	0.498		mg/l	0.0050	0.500		99.6	85-115		
Copper	0.497		mg/l	0.0050	0.500		99.4	85-115		
<u>LCS Dup (7020485-BSD1)</u>										
Prepared & Analyzed: 08-Feb-07										
Iron	0.493		mg/l	0.0050	0.500		98.6	85-115	1.01	20
Copper	0.500		mg/l	0.0050	0.500		100	85-115	0.602	20
<u>Duplicate (7020485-DUP1)</u> Source: SA57756-01										
Prepared & Analyzed: 08-Feb-07										
Iron	48.3		mg/l	0.0050		48.8			1.03	20
Copper	0.0546		mg/l	0.0050		0.0563			3.07	20
<u>Matrix Spike (7020485-MS1)</u> Source: SA57898-01										
Prepared & Analyzed: 08-Feb-07										
Iron	12.0	QM4X	mg/l	0.0050	0.500	9.62	476	75-125		
Copper	0.537		mg/l	0.0050	0.500	0.0372	100	75-125		
<u>Matrix Spike Dup (7020485-MSD1)</u> Source: SA57898-01										
Prepared & Analyzed: 08-Feb-07										
Iron	12.5	QM4X	mg/l	0.0050	0.500	9.62	576	75-125	4.08	20
Copper	0.529		mg/l	0.0050	0.500	0.0372	98.4	75-125	1.50	20
<u>Post Spike (7020485-PS1)</u> Source: SA57898-01										
Prepared & Analyzed: 08-Feb-07										
Iron	13.6	QM4X	mg/l	0.0050	0.500	9.62	796	80-120		
Copper	0.549		mg/l	0.0050	0.500	0.0372	102	80-120		

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Notes and Definitions

FP	Field Preserved
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

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* Reportable Detection Limit BRL = Below Reporting Limit

Page 4 of 5

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

MADEP RTN ¹ :					
This form provides certifications for the following Spectrum Analytical Inc. work order #: SA57756					
Matrix	<input checked="" type="checkbox"/> Groundwater	<input type="checkbox"/> Soil/Sediment	<input type="checkbox"/> Drinking Water	<input type="checkbox"/> Other	
MCP SW-846 Methods Used	<input type="checkbox"/> 8260B	<input type="checkbox"/> 8151A	<input type="checkbox"/> 8330	<input checked="" type="checkbox"/> 6010B	<input type="checkbox"/> 7470A/1A
	<input type="checkbox"/> 8270C	<input type="checkbox"/> 8081A	<input type="checkbox"/> VPH	<input type="checkbox"/> 6020	<input type="checkbox"/> 9014M ²
	<input type="checkbox"/> 8082	<input type="checkbox"/> 8021B	<input type="checkbox"/> EPH	<input type="checkbox"/> 7000S ³	<input type="checkbox"/> 7196A
¹ List Release Tracking Number (RTN), if known ² M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method ³ S - SW-846 Methods 7000 Series List individual method and analyte					
An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status					
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain of Custody documentation for the data set?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	VPH and EPH methods only: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective methods)?				<input type="checkbox"/> Yes <input type="checkbox"/> No
A response to questions E and F below is required for "Presumptive Certainty" status					
E	Were all analytical QC performance standards and recommendations for the specified methods achieved?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>All negative responses are addressed in a case narrative on the cover page of this report</i>					
<p>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.</p> <div style="text-align: right; margin-top: 20px;">  Hanibal C. Tayeh, Ph.D. President/Laboratory Director Date: 2/12/2007 </div>					

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