Environmental Resources Management

5788 Widewaters Parkway
Dewitt, NY 13210

315/445-2554
315/445-2543 (fax)

http://www.erm.com

30 September 2011

Mr. Laurie Duncan
Acting Director of Safety and Security
Wadsworth Center
Empire State Plaza
P.O. Box 509, Room B-940
Albany, NY 12201-0509

Re: September 2011 Monitoring Well Sampling
Axelrod Institute Site (NYSDEC Site No.: 401031)
ERM Project No. 0139000

Dear Mr. Duncan:

Environmental Resources Management, Inc. (ERM) is pleased to present this e-mail copy of the Final Ground Water Monitoring Well Sampling Report for the September 2011 sampling event to the New York State Department of Health (NYSDOH). The complete document has been included for your ease of reference. If you require a hard copy of this document, please contact the undersigned.

Thank you for the continued opportunity to support the NYSDOH. Please contact me at 518-461-8936 or dave.myers@erm.com if you have any questions or comments.

Sincerely,

David W. Myers

David W. Myers, C.G.
Senior Project Manager

Attachments

Final Report

New York State Department of Health

September 2011 Ground Water Monitoring Report

David Axelrod Institute Site
(Site No.:401031)
Albany, New York

October 2011

Environmental Resources Management
5788 Widewaters Parkway
Dewitt, New York 13214

TABLE OF CONTENTS

1.0 INTRODUCTION

This report presents the data from the September 2011 ground water sampling activities at the Axelrod Institute Site located at 120 New Scotland Avenue in Albany, New York (the "Site"). A site location map is included as Figure 1. The Site has been identified by the New York State Department of Environmental Conservation (NYSDEC) as a Class 4 inactive hazardous waste site (Site Identification No: 401031).

The Site was previously part of a quarterly ground water monitoring program pursuant to an Order on Consent, Index No. A4-0304-93-07, entered into between the New York State Department of Health (NYSDOH) and the NYSDEC effective 27 August 1993 (the "Consent Order"). In a letter dated 8 October 2003, Environmental Resources Management (ERM) proposed modifications to the Consent Order and presented a redefined scope of work for ground water monitoring at the Site. The NYSDOH and the NYSDEC agreed to the proposal, which includes monitoring and sampling the wells every fifth quarter and the submission of follow-up letter reports to the NYSDOH. The most recent ground water sampling event and follow-up report preparation were conducted pursuant to the agreed upon modifications to the Consent Order.

2.0 GROUND WATER SAMPLING

Since the ground water monitoring plan was modified in 2003, ground water sampling has been conducted at the site in:

- December 2003;
- March 2005;
- September 2006;
- December 2007;
- March 2009; and
- June 2010.

This report presents data from the seventh ground water monitoring event, which occurred on 8 September 2011.

On 8 September 2011, ERM collected ground water samples from three shallow ground water monitoring wells, MW-9S, MW-11S and MW-12S, located at the Site. A site layout map showing the locations of the three sampled shallow ground water monitoring wells is included as Figure 2. Please note since the 8 June 2010 sampling event MW-12S was installed on 8 April 2011 at the request of the NYSDEC. In addition, MW-8S has been covered with new asphaltic pavement since the 8 June 2010 sampling event.

An ERM geologist collected static water level measurements and well depth measurements from the shallow monitoring wells using an electronic water level indicator, which was washed with a Liquinox solution and rinsed with distilled water between measurement locations. The reference point used for all water level measurements was the top of the well casing.

Prior to sampling, a minimum of three well-volumes were purged from each well and various field parameters, including temperature, pH, turbidity, specific conductivity, oxidation-reduction potential, and dissolved oxygen, were collected from each well using a YSI multi-meter.

Monitoring wells MW-9S, MW-11S and MW-12S were sampled using dedicated disposable bailers. A blind field duplicate was collected at MW-9S. All samples were transferred to clean, laboratory-supplied containers and placed into a chilled, thermally insulated cooler immediately after collection. Samples were delivered to the project laboratory by ERM personnel on the same

day of sample collection and chain of custody procedures were followed during all sample handling and transport.

Ground water samples collected on 8 September 2011 were analyzed by Adirondack Environmental Laboratories, Inc. (Adirondack) in Albany, New York. Adirondack is a New York State Department of Health-approved environmental laboratory.

3.0 ANALYTICAL RESULTS

Ground water samples collected from the monitoring wells were analyzed for Target Compound List Volatile Organic Compounds (TCL VOCs) by USEPA Method 8260B in accordance with the 1995 NYSDEC Analytical Services Protocol (ASP) Category B deliverable guidelines. A sample summary table is included as Table 1. Ground water sampling records are included in Attachment A. Validated analytical sample results along with the Data Validation Review performed by ERM's in-house chemist are included as Attachment B. A copy of the laboratory analytical report is included as Attachment C.

VOCs were not detected above the laboratory reporting limit in the ground water samples collected from shallow monitoring wells MW-9S, MW-11S and MW-12S on 8 September 2011.

4.0 GROUND WATER ELEVATIONS

ERM collected top of casing elevations (TOC) for MW-8S, MW-9S, and MW-11S during the December 2003 sampling event. The TOC for MW-12A was obtained during the 8 September 2011 sampling event using the known TOC elevation of MW-9S. These well elevations, along with the 8 September 2011 depth-to-water measurements for wells MW-9S, MW-11S and MW-12S, were used to calculate relative ground water elevations for the Site (Table 2). A ground water contour map (Figure 2) was compiled using the water level data for the three sampled shallow monitoring wells.

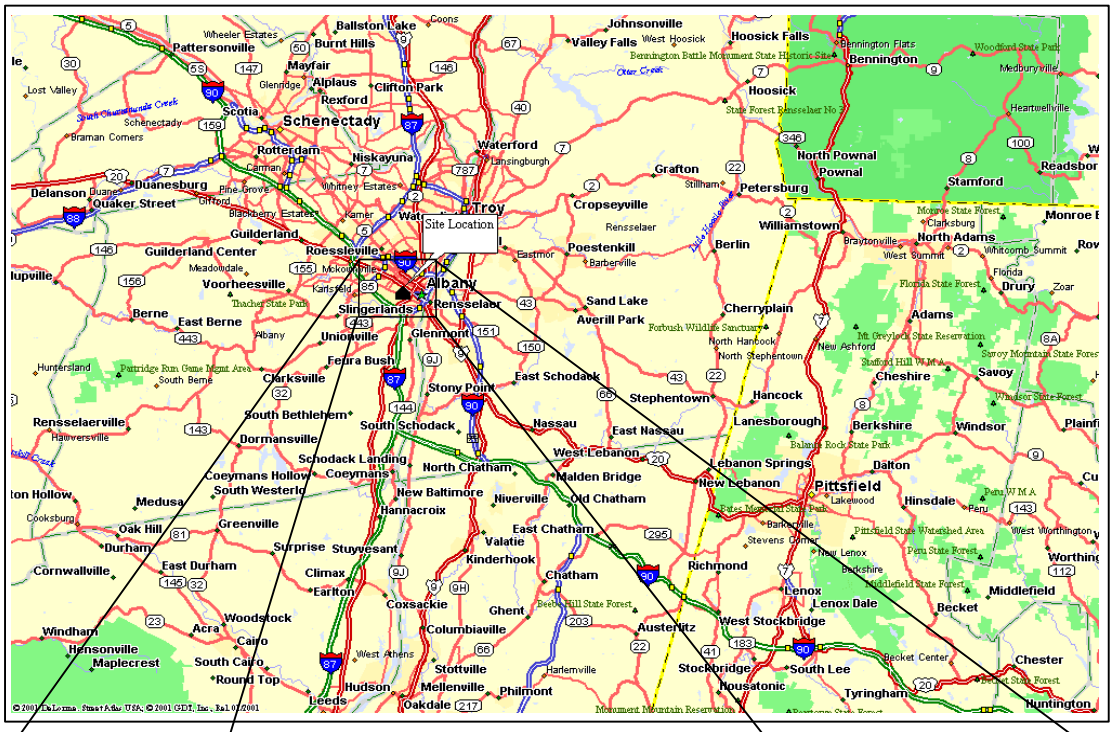
The ground water contour map indicates that the flow direction of shallow ground water on 8 September 2011 was generally toward the east.

5.0 CONCLUSIONS

Pursuant to a modified Consent Order agreed upon by the NYSDOH and the NYSDEC, ERM collected ground water samples from shallow monitoring wells MW-9S, MW-11S and MW-12S on 8 September 2011. Laboratory analytical data from the 8 September 2011 sampling event indicate that the no VOCs were detected above the NYSDEC Ambient Water Quality Standard.

ERM recommends that well (MW-8S) be replaced immediately north of the previous location (on NYSDOH Property) to remain consistent with recent NYSDEC discussions. The purpose of this replacement well would be to assess the horizontal extent of potential MTBE concentrations remaining in ground water to the south of the affected area.

FIGURES



SITE LOCATION MAP
DAVID AXELROD FACILITY
ALBANY, NEW YORK

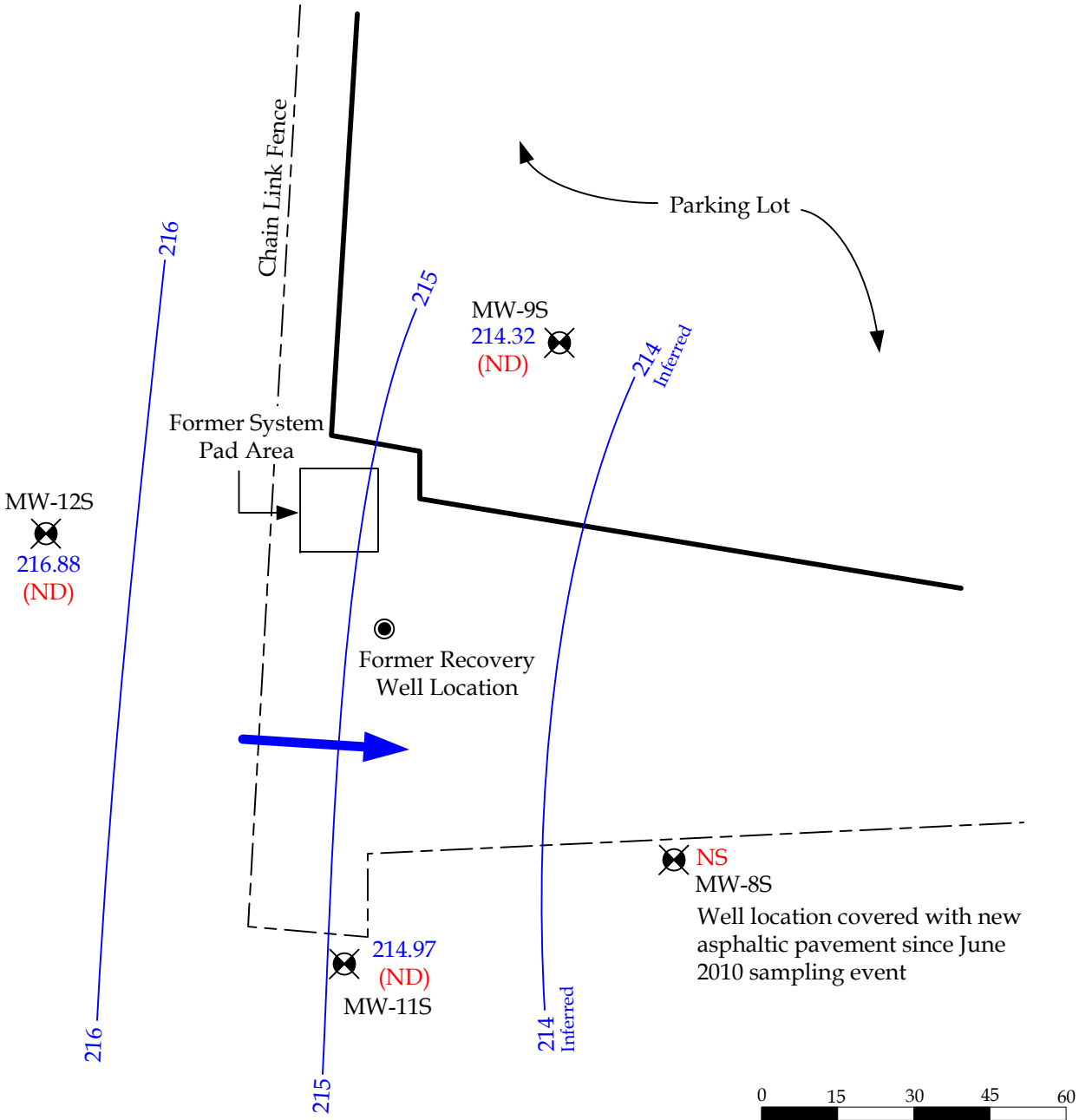
PREPARED FOR

NYS DEPARTMENT OF HEALTH

ERM-Northeast

SCALE	FIGURE
AS SHOWN	1
DATE	
09/06	

PROJECT #0018595



Legend

⊗	Monitoring Well Location and Designation
214.32	Ground Water Elevation
214	Ground Water Contour
→	Ground Water Flow Direction
ND	No Compounds Detected
NS	Well Not Sampled (covered by new asphaltic pavement)

0 15 30 45 60

(in feet)

Notes: Locations are estimated and approximate.

Ground Water Flow
David Axelrod Facility, Albany, New York

Prepared For: NYS Department of Health

ERM

Scale: As Shown

Date: September 2011

Figure: 2

TABLES

TABLE 1
SUMMARY OF DETECTED VOC's
AXELROD FACILITY
ALBANY, NEW YORK
ERM PROJECT NUMBER 0139000

Sample Location Date Sampled	NYSDEC Standard	MW-8S 12/22/2003	MW-9S 12/22/2003	MW-10S 12/22/2003	MW-11S 12/22/2003	MW-8S 3/2/2005	MW-9S 3/2/2005	MW-10S 3/2/2005	MW-11S 3/2/2005
TCL VOCs (ug/L)									
Methyl tert-butyl ether	10	U	U	NS	U	U	U	NS	2.1

Sample Location Date Sampled	NYSDEC Standard	MW-8S 9/7/2006	MW-9S 9/7/2006	MW-10S 9/7/2006	MW-11S 9/7/2006	MW-8S 12/4/2007	MW-9S 12/4/2007	MW-10S 12/4/2007	MW-11S 12/4/2007
TCL VOCs (ug/L)									
Methyl tert-butyl ether	10	U	U	NS	**19J**	8.24J	U	NS	6.91J

Sample Location Date Sampled	NYSDEC Standard	MW-8S 3/19/2009	MW-9S 3/19/2009	MW-10S 3/19/2009	MW-11S 3/19/2009	MW-8S 6/8/2010	MW-9S 6/8/2010	MW-10S 6/8/2010	MW-11S 6/8/2010
TCL VOCs (ug/L)									
Methyl tert-butyl ether	10	**13.0**	U	NS	U	**13.0**	U	NS	U

Sample Location Date Sampled	NYSDEC Standard	MW-8S 9/8/2011	MW-9S 9/8/2011	MW-11S 9/8/2011	MW-12S 9/8/2011				
TCL VOCs (ug/L)									
Methyl tert-butyl ether	10	**NS**	U	U	U				

NOTES :

U = Not Detected above laboratory detection limits.

NYSDEC Standards - NYSDEC Ambient Water Quality Standards - TOGS 1.1.1

TCL VOCs = Target Compound List Volatile Organic Compounds.

ug/L = micrograms per liter.

Bold Text - Above NYSDEC Standard

J = estimated value

- Only those analytes that were detected in at least one sample are presented.
- All samples analyzed for TCL VOCs by EPA Method 8260B.
- MW-10S was not sampled (NS) since the well was destroyed.
- MW-8S was not sampled (**NS**) since the well was covered with new asphaltic pavement.

TABLE 2
SUMMARY OF GROUND WATER ELEVATION DATA
AXELROD FACILITY
ALBANY, NEW YORK
ERM PROJECT NUMBER 0139000

Well Location	MW-8S	MW-9S	MW-11S	MW-12S
Elevation at Top of Casing	216.42	219.64	219.39	220.94
Total Depth of Well	17.92	19.88	16.35	19.75
Screen Length	10	15	10	10
Date				
12/22/2003	211.74	213.24	212.17	NA
3/2/2005	211.40	213.00	211.54	NA
9/7/2006	211.27	212.42	211.41	NA
12/4/2007	211.90	213.22	211.99	NA
3/19/2009	212.36	213.63	212.31	NA
6/8/2010	211.56	212.59	211.47	NA
9/8/2011	NM	214.32	214.97	216.88

NOTES:

- All measurements reported in feet.

NA - Not Applicable - MW-12S installed 8 April 2011.

NM = Not measured (well was covered with new asphaltic pavement since June 2010 sampling event).

DTW Data	MW-8S	MW-9S	MW-11S	MW-12S
Date				
12/22/2003	4.68	6.40	7.22	NA
3/2/2005	5.02	6.64	7.85	NA
9/7/2006	5.15	7.22	7.98	NA
12/4/2007	4.52	6.42	7.4	NA
3/19/2009	4.06	6.01	7.08	NA
6/8/2010	4.86	7.05	7.92	NA
9/8/2011	NM	5.32	4.42	4.06

ATTACHMENT A
GROUND WATER SAMPLING RECORDS

GROUND WATER SAMPLING RECORD

SITE Axelrod Institute DATE 9/8/11

PROJECT NUMBER: 0139000

SAMPLE ID: AX-MW-9S

WELL ID: MW-9S Time Onsite: Time Offsite:

SAMPLERS: D. W. Myers 12:30

Depth of well (from top of casing) ..... 19.88 Time: 12:40

Static water level (from top of casing) ..... 5.32 Time: 12:40

Water level after purging (from top of casing) ..... 12.76 Time: 13:15

Water level before sampling (from top of casing) ..... 11.81 Time: 13:20

Purging Method:

___ Airlift ___ Low-Flow Pump

✓ Bailer ___ Peristaltic Pump

___ Submersible ___ Ded. Pump

Well Volume Calculation:

		1 volume	3 volumes
2 in. well:	14.56 ft. of water x 0.16 =	2.33 gal.	x 3 = 6.99 gal.
3 in. well:	___ ft. of water x 0.36 =	___ gal.	x 3 = ___ gal.
4 in. well:	___ ft. of water x 0.65 =	___ gal.	x 3 = ___ gal.
6 in. well:	___ ft. of water x 1.47 =	___ gal.	x 3 = ___ gal.

Volume of water removed: ~ 7 gal. >3 volumes: yes X no ___ purged dry? yes ___ no ✓

Field Tests:

	pH	Cond.	Turb.	DO	Temp.	DEP	SAL	TDS	ORP
units	-	mg/cm	NTU	mg/L	C F	-	-	g/L	mV
Initial	7.91	3740	>50	9.60	21.01	–	–	–	32.2
1 Volume	7.21	3965	>50	7.38	20.45	–	–	–	30.6
2 Volumes	6.89	3835	>50	6.85	19.10	–	–	–	25.8
3 Volumes	6.73	3728	<50	5.71	16.64	–	–	–	21.4

Sampling

Time of Sample Collection: 13:20

Collection Method:		Analyses:		Analytical Method:		
___	Disposable bailer	✓	VOCs -	8260 X	503.1 ___	Other ___
___	Teflon bailer	___	SVOCs			
___	Dedicated pump	___	Metals			
___	Submersible Pump	___	PCB/Pest			
___	Low-Flow Sampling	___	MNA			
X	Other: dedicated bailer	___	Other			

Observations

Weather/Temperature: Overcast ~ 60°F

Sample Description: slightly cloudy

Free Product? yes ___ no ✓ describe ___

Sheen? yes ___ no ✓ describe ___

Odor? yes ___ no ✓ describe ___

Comments:

Duplicate @ this location

GROUND WATER SAMPLING RECORD

SITE Axelrod Institute DATE 9/8/11

PROJECT NUMBER: 0139000

SAMPLE ID: AX-MW-11S

WELL ID: MW-11S Time Onsite: Time Offsite:

SAMPLERS: David W. Myers 12:30

Depth of well (from top of casing) ..... ~~16.35~~ 16.35 Time: 12:50

Static water level (from top of casing) ..... 4.42 Time: 12:50

Water level after purging (from top of casing) ..... 9.87 Time: 14:40

Water level before sampling (from top of casing) ..... 8.92 Time: 14:45

Purging Method:

___ Airlift ___ Low-Flow Pump

✓ Bailer ___ Peristaltic Pump

___ Submersible ___ Ded. Pump

Well Volume Calculation:

			1 volume	3 volumes
2 in. well:	11.93 ft. of water x 0.16 =		1.91 gal.	x 3 = 5.73 gal.
3 in. well:	___ ft. of water x 0.36 =		___ gal.	x 3 = ___ gal.
4 in. well:	___ ft. of water x 0.65 =		___ gal.	x 3 = ___ gal.
6 in. well:	___ ft. of water x 1.47 =		___ gal.	x 3 = ___ gal.

Volume of water removed: ~6 gal. >3 volumes: yes ✓ no ___ purged dry? yes ___ no ✓

Field Tests:

	pH	Cond.	Turb.	DO	Temp.	DEP	SAL	TDS	ORP
units	-	mg/cm	NTU	mg/L	(C) F	-	-	g/L	mV
Initial	7.39	555	>50	7.15	18.70	—	—	—	41.7
1 Volume	7.25	554	>50	6.56	19.45	—	—	—	36.2
2 Volumes	7.18	555	>50	6.04	19.34	—	—	—	33.7
3 Volumes	7.11	557	>50	5.88	18.82	—	—	—	33.8

Sampling

Time of Sample Collection: 14:45

Collection Method:		Analyses:		Analytical Method:			
___	Disposable bailer	✓	VOCs -	8260 ✓	503.1 ___	Other ___	
___	Teflon bailer	___	SVOCs				
___	Dedicated pump	___	Metals				
___	Submersible Pump	___	PCB/Pest				
___	Low-Flow Sampling	___	MNA				
X	Other: dedicated bailer	___	Other				

Observations

Weather/Temperature: Overcast 60°F

Sample Description: Cloudy

Free Product? yes ___ no ✓ describe ___

Sheen? yes ___ no ✓ describe ___

Odor? yes ___ no ✓ describe ___

Comments:

GROUND WATER SAMPLING RECORD

SITE Axelrod Institute DATE 9/8/11

PROJECT NUMBER: 0139000

SAMPLE ID: AX-MW-12S

WELL ID: MW-12S Time Onsite: Time Offsite:

SAMPLERS: DWM 12:30

Depth of well (from top of casing)	19.75	Time: 12:45
Static water level (from top of casing)	4.06	Time: 12:45
Water level after purging (from top of casing)	6.02	Time: 14:10
Water level before sampling (from top of casing)	5.88	Time: 14:15

Purging Method:

- ___ Airlift
- ___ Low-Flow Pump
- ✓ Bailer
- ___ Peristaltic Pump
- ___ Submersible
- ___ Ded. Pump

Well Volume Calculation:

		1 volume	3 volumes
2 in. well:	15.69 ft. of water x 0.16 =	2.51 gal.	x 3 = 7.53 gal.
3 in. well:	___ ft. of water x 0.36 =	___ gal.	x 3 = ___ gal.
4 in. well:	___ ft. of water x 0.65 =	___ gal.	x 3 = ___ gal.
6 in. well:	___ ft. of water x 1.47 =	___ gal.	x 3 = ___ gal.

Volume of water removed: ~ 7.5 gal. >3 volumes: yes X no ___ purged dry? yes ___ no X

Field Tests:

	pH	Cond.	Turb.	DO	Temp.	DEP	SAL	TDS	ORP
units	-	mg/cm	NTU	mg/L	C F	-	-	g/L	mV
Initial	7.36	904	> 50	7.86	17.03	–	–	–	49.1
1 Volume	7.08	883	> 50	7.35	17.02	–	–	–	42.2
2 Volumes	6.93	911	> 50	4.12	16.05	–	–	–	30.4
3 Volumes	6.89	839	> 50	2.08	15.62	–	–	–	17.9

Sampling

Time of Sample Collection: 14:15

Collection Method:		Analyses:		Analytical Method:			
___	Disposable bailer	✓	VOCs -	8260 ✓	503.1 ___	Other ___	
___	Teflon bailer	___	SVOCs				
___	Dedicated pump	___	Metals				
___	Submersible Pump	___	PCB/Pest				
___	Low-Flow Sampling	___	MNA				
✓	Other: dedicated bailer	___	Other				

Observations

Weather/Temperature: Overcast - 60°F

Sample Description: ~~Clear~~ very Cloudy

Free Product? yes ___ no ✓ describe ___

Sheen? yes ___ no ✓ describe ___

Odor? yes ___ no ✓ describe ___

Comments:

Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order #

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
ERM	5788 Widewater Parkway - Dewitt, N.Y.	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
David W. Myers	Axelrad Institute - Albany	David W. Myers
Client Phone No:	**Client Fax No:**	**PO Number:**
518-461-8936	518-356-5749	0139000

Samplers: (Signature) David W. Myers

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
	AX-MW-9S	9/8/11	13:20 A/P	GW		X	2	VOCs - 8260
	AX-MW-12S		14:15 A/P	GW		X	2	
	AX-MW-11S		14:40 A/P			X	2	
	AX-MW-Dupe (9/11)		— A/P			X	2	
	Trip Blank		— A/P				1	
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
			A/P					
		9/9/11	A/P					
			A/P					

Shipment Arrived Via:

FedEx UPS Client AES Other:_____

Turnaround Time Request:

☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day

CC Report To / Special Instructions/Remarks:

ASP-Cat B.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
David W. Myers		9/9/11

Temperature	Properly Preserved	Received Within Holding Times
Ambient or Chilled	Y N	Y N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

ATTACHMENT B
DATA VALIDATION REPORT

Environmental Resources Management

5788 Widewaters Parkway
Dewitt, NY 13214
(315) 445-2554
(315) 445-2543 (fax)

http://www.erm.com

DATA USABILITY SUMMARY REPORT (DUSR)
AXELROD INSTITUTE
ALBANY, NEW YORK
GROUND WATER SAMPLE ANALYSES
ENVIRONMENTAL RESOURCES MANAGEMENT (ERM)
PROJECT NUMBER 0139000
ADIRONDACK ENVIRONMENTAL SERVICES, INC.
JOB NUMBER 110908074

Deliverables:

The above referenced data package for three (3) ground water samples, one (1) blind field duplicate sample, and one (1) trip blank contains all required deliverables as stipulated under the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) for Category B deliverables. The sample specific analysis included Target Compound List (TCL) Volatile Organic Compounds (VOCs) analyzed by United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. The samples were analyzed in accordance with "Test Methods for Evaluating Solid Wastes, SW-846 Third Edition, Final Update III, December 1996".

The data have been validated according to the protocols and quality control (QC) requirements of the ASP; the National Functional Guidelines for Organic Data Review (October 1999); the USEPA Region II Data Review Standard Operating Procedure (SOP) Number HW-24, Revision 2, October 2006: Validating Volatile Organic Compounds by SW-846 Method 8260B; and the reviewer's professional judgment.

The validation report pertains to the following ground water samples collected on 8 September 2011:

Samples	*QC Samples*
AX-MW-9S	AX-MW-DUPE (9/11) – Blind Field Duplicate of sample AX-MW-9S
AX-MW-11S	Trip Blank
AX-MW-12S	AX-MW-9S MS/MSD (selected by laboratory)

Volatiles

The following items / criteria were reviewed for this report:

- Case narrative and deliverables compliance
- Holding times and sample preservation (including pH and temperature)
- Surrogate Compound recoveries, summary and data
- Matrix Spike / Matrix Spike Duplicate (MS / MSD) results, recoveries, summary and data
- Laboratory Check Sample (LCS), recoveries, summary and data
- Method blank summary and data
- Gas Chromatography (GC) / Mass Spectroscopy (MS) tuning and performance
- Initial and continuing calibration summaries and data
- Internal standard areas, retention times, summary and data
- Trip Blank results
- Blind Field Duplicate sample results
- Organic analysis data sheets (Form I)
- GC / MS chromatograms, mass spectra and quantitation reports
- Quantitation / detection limits
- Qualitative and quantitative compound identification

The items listed above were technically and contractually in compliance with SW-846 protocols with the exceptions discussed in the text below. The data have been validated according to the procedures outlined above and qualified accordingly.

- Typically a Matrix Spike / Matrix Spike Duplicate (MS / MSD) set is collected and submitted to the laboratory per twenty field samples collected. In this case, no MS / MSD was collected or submitted to the laboratory. The laboratory analyzed the MS / MSD on sample AX-MW-9S from this deliverable. All recoveries for the MS / MSD were within QC limits and no qualification of the sample data is required.

- The recoveries for the surrogate 1,1-Dichlororethane-d4 were above the QC limit for samples AX-MW-9S MS, AX-MW-9S MSD, and the Matrix Spike Blank (internal lab standard). These samples are not required to be re-analyzed for surrogate recoveries outside specified limits. Therefore, no qualification of the sample data is required.

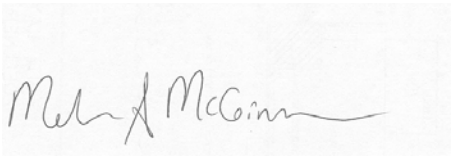
- Methylene chloride was positively detected in the Trip Blank (2.9 ug/L) and the Method Blank (2.6 ug/L), which are applicable to all samples. Both of these concentrations are below the detection limit for methylene chloride (5 ug/L). In addition, methylene chloride was non-detect in all samples. Therefore, no qualification of the sample data is required.

- The following table lists compounds that exhibited an average relative response factor (RRF) of less than 0.05 in the initial calibration (ICAL) and the continuing calibration verification (CCV). Per validation guidelines, sample data associated with compounds that exhibit an RRF of less than 0.05 should be rejected. It is the reviewer's professional opinion that since acetone is a known poor responder, associated sample data will not be rejected, although the data is still considered estimated and has been qualified as follows: All acetone sample results were non-detect results and are therefore qualified "UJ".

Calibration	Compound	Deficiency	Associated Samples
ICAL 9/16/11 @ 1409	Acetone	RRF=0.035	All samples
CCV 9/17/11 @ 1028	Acetone	RRF=0.032	All samples

Package Summary:

All data are valid and usable with qualifications as noted in this review.



Signed: _____ Dated: 26 October 2011

Melissa A. McGinnis

ATTACHMENT C
LABORATORY ANALYTICAL REPORT

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

September 21, 2011

David W. Myers
ERM
5788 Widewaters Parkway
Dewitt, NY 13214

TEL: (518) 461-8936
FAX: (518) 356-5749

Work Order No: 110908074

RE: Axelrod Institute
Albany

Dear David W. Myers:

Adirondack Environmental Services, Inc received 5 samples on 9/8/2011 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels
Laboratory Manager

ELAP#: 10709

CLIENT:	ERM	**Date:** *21-Sep-11*
Project:	Axelrod Institute	
Lab Order:	110908074	

Sample containers were supplied by Adirondack Environmental Services.

Qualifiers:	ND - Not Detected at reporting limit	S - LCS Spike recovery outside acceptable limits
	J - Analyte detected below quantitation limit	R - Duplication outside acceptable limits
	B - Analyte detected in Blank	T - Tentatively Identified Compound-Estimated
	X - Exceeds maximum contamination limit	E -Above quantitation range-Estimated
	H - Hold time exceeded	M - Matrix Spike outside acceptable limits
		C - Details are above in Case Narrative

Note : All Results are reported as wet weight unless noted

Adirondack Environmental Services, Inc

Date: *21-Sep-11*

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: AX-MW-9S
Collection Date: 9/8/2011
Lab Sample ID: 110908074-001
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
Bromomethane	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
Vinyl chloride	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
Chloroethane	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
Methylene chloride	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Acetone	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
Carbon disulfide	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Chloroform	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
2-Butanone	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Bromodichloromethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Trichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Dibromochloromethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Benzene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Bromoform	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
4-Methyl-2-pentanone	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
2-Hexanone	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
Tetrachloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Toluene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Chlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Ethylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Styrene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
m,p-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
o-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Dichlorodifluoromethane	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
Methyl Acetate	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: AX-MW-9S
Collection Date: 9/8/2011
Lab Sample ID: 110908074-001
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP)	**SW8260B**					Analyst: **ML**
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Isopropylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	9/17/2011 11:17:00 AM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:17:00 AM
Surr: 1,2-Dichloroethane-d4	112	80.7-117		%REC	1	9/17/2011 11:17:00 AM
Surr: 4-Bromofluorobenzene	98.9	80.2-127		%REC	1	9/17/2011 11:17:00 AM
Surr: Toluene-d8	97.3	79.9-122		%REC	1	9/17/2011 11:17:00 AM

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: AX-MW-12S
Collection Date: 9/8/2011
Lab Sample ID: 110908074-002
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: ML
Chloromethane	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
Bromomethane	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
Vinyl chloride	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
Chloroethane	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
Methylene chloride	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Acetone	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
Carbon disulfide	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Chloroform	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
2-Butanone	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Bromodichloromethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Trichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Dibromochloromethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Benzene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Bromoform	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
4-Methyl-2-pentanone	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
2-Hexanone	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
Tetrachloroethene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Toluene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Chlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Ethylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Styrene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
m,p-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
o-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Dichlorodifluoromethane	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
Methyl Acetate	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: AX-MW-12S
Collection Date: 9/8/2011
Lab Sample ID: 110908074-002
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: ML
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Isopropylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	9/17/2011 11:41:00 AM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 11:41:00 AM
Surr: 1,2-Dichloroethane-d4	111	80.7-117		%REC	1	9/17/2011 11:41:00 AM
Surr: 4-Bromofluorobenzene	99.8	80.2-127		%REC	1	9/17/2011 11:41:00 AM
Surr: Toluene-d8	96.6	79.9-122		%REC	1	9/17/2011 11:41:00 AM

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: AX-MW-11S
Collection Date: 9/8/2011
Lab Sample ID: 110908074-003
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
Bromomethane	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
Vinyl chloride	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
Chloroethane	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Acetone	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Chloroform	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
2-Butanone	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Benzene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Bromoform	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
2-Hexanone	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Toluene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Styrene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM

Adirondack Environmental Services, Inc

Date: *21-Sep-11*

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: AX-MW-11S
Collection Date: 9/8/2011
Lab Sample ID: 110908074-003
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: **ML**
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	9/17/2011 12:06:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:06:00 PM
Surr: 1,2-Dichloroethane-d4	114	80.7-117		%REC	1	9/17/2011 12:06:00 PM
Surr: 4-Bromofluorobenzene	101	80.2-127		%REC	1	9/17/2011 12:06:00 PM
Surr: Toluene-d8	97.6	79.9-122		%REC	1	9/17/2011 12:06:00 PM

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: AX-MW-Dupe (9/11)
Collection Date: 9/8/2011
Lab Sample ID: 110908074-004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP)	**SW8260B**					Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
Bromomethane	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
Vinyl chloride	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
Chloroethane	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Acetone	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Chloroform	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
2-Butanone	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Benzene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Bromoform	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
2-Hexanone	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Toluene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Styrene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: AX-MW-Dupe (9/11)
Collection Date: 9/8/2011
Lab Sample ID: 110908074-004
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP)	**SW8260B**					Analyst: **ML**
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	9/17/2011 12:31:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:31:00 PM
Surr: 1,2-Dichloroethane-d4	113	80.7-117		%REC	1	9/17/2011 12:31:00 PM
Surr: 4-Bromofluorobenzene	99.8	80.2-127		%REC	1	9/17/2011 12:31:00 PM
Surr: Toluene-d8	95.1	79.9-122		%REC	1	9/17/2011 12:31:00 PM

Adirondack Environmental Services, Inc

Date: *21-Sep-11*

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: Trip Blank Lot #255
Collection Date: 9/8/2011
Lab Sample ID: 110908074-005
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP) SW8260B						Analyst: **ML**
Chloromethane	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
Bromomethane	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
Vinyl chloride	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
Chloroethane	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Acetone	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Chloroform	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
2-Butanone	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Benzene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Bromoform	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
2-Hexanone	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Toluene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Styrene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM

Adirondack Environmental Services, Inc

Date: *21-Sep-11*

CLIENT: ERM
Work Order: 110908074
Reference: Axelrod Institute / Albany
PO#:

Client Sample ID: Trip Blank Lot #255
Collection Date: 9/8/2011
Lab Sample ID: 110908074-005
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS-(SW5030B PREP)	**SW8260B**					Analyst: **ML**
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	9/17/2011 12:56:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	9/17/2011 12:56:00 PM
Surr: 1,2-Dichloroethane-d4	113	80.7-117		%REC	1	9/17/2011 12:56:00 PM
Surr: 4-Bromofluorobenzene	102	80.2-127		%REC	1	9/17/2011 12:56:00 PM
Surr: Toluene-d8	97.1	79.9-122		%REC	1	9/17/2011 12:56:00 PM

Adirondack Environmental Services, Inc.
Experience is the solution

314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 11090874

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:
ERM	5788 Widewater Parkway - Dewitt, N.Y

Send Report To:	Project Name (Location)	Samplers: (Names)
David W. Myers	Axelrod Institute - Albany	David W. Myers

Client Phone No:	Client Fax No:	PO Number:	Samplers: (Signature)
518-461-8936	518-356-5749	0139000	David W. Myers

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	AX-MW-9S	9/8/11	13:20 P	GW		X	2	VOCs - 8260
002	AX-MW-12S	↓	14:15 P	GW		X	2	↓
003	AX-MW-11S	↓	14:45 P			X	2	↓
004	AX-MW-Dupe (9/11)	↓	—			X	2	↓
005	Trip Blank	↓	—				1	↓
	Lot # 260							

Shipment Arrived Via:
FedEx UPS (Client) AES Other:

Turnaround Time Request:
☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day

CC Report To / Special Instructions/Remarks:
ASP - Cat B.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
David W. Myers	[signature]	9-8-11 3:50 Pm

Temperature	Properly Preserved	Received Within Holding Times
Ambient or (Chilled) 9°C	(Y) N	(Y) N
Notes:	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.

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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by credit card are subject to a 3% additional charge.