

# **MONITORING WELL INSTALLATION AND SAMPLING REPORT**

**JULY - AUGUST 2008**

**AMW MATERIAL TESTING  
666 ALBANY AVENUE  
AMITYVILLE, NEW YORK 11701**

**NYSDEC Project # 1-52-189**

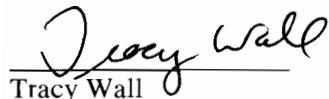
September 19, 2008  
Revised February 19, 2009



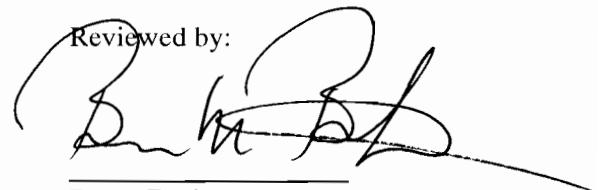
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## **TABLE OF CONTENTS**

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>1</b>
<b>2.0</b>	<b>PERMANENT GROUNDWATER MONITORING WELL INSTALLATION .....</b>	<b>1</b>
<b>2.1</b>	<b>Groundwater Monitoring Well Installation Methods .....</b>	<b>1</b>
<b>3.0</b>	<b>GROUNDWATER MONITORING .....</b>	<b>2</b>
<b>3.1</b>	<b>Groundwater Sampling and Analysis Method .....</b>	<b>2</b>
<b>3.2</b>	<b>Groundwater Chemical Analytical Results .....</b>	<b>3</b>

## **APPENDICES**

<b>APPENDIX 1</b>	<b>FIGURES</b>
<b>APPENDIX 2</b>	<b>SOIL BORING LOGS</b>
<b>APPENDIX 3</b>	<b>TABLES</b>
<b>APPENDIX 4</b>	<b>LABORATORY REPORTS</b>
<b>APPENDIX 5</b>	<b>WASTE DISPOSAL MANIFEST</b>

### **Figures**

<b>Figure 1</b>	<b>Site Location Map</b>
<b>Figure 2</b>	<b>Monitoring Well MW-10 Construction Log</b>
<b>Figure 3</b>	<b>Monitoring Well MW-11 Construction Log</b>
<b>Figure 4</b>	<b>Locations of Monitoring Wells</b>

### **Tables**

<b>Table 1</b>	<b>Groundwater Purge Logs</b>
<b>Table 2</b>	<b>Volatile Organic Compound Groundwater Chemical Analytical Results – August 21, 2008</b>
<b>Table 3</b>	<b>Metals Groundwater Chemical Analytical Results – August 21, 2008</b>

**Monitoring Well Installation and Sampling Report**  
**July 2008 – August 2008**  
**AMW Material Testing**  
**666 Albany Avenue**  
**Amityville, New York 11701**

## **1.0 INTRODUCTION**

National Environmental Management Associates Corp. (NATIONAL) has been contracted to install two off-site permanent groundwater monitoring wells in the vicinity of AMW Materials, located at 666 Albany Avenue, Amityville, New York under New York State Department of Environmental Conservation (NYSDEC) Contract No. D400316. Figure 1 shows the site location map, and is provided as Appendix 1. The following report summarizes the tasks performed at the site.

## **2.0 PERMANENT GROUNDWATER MONITORING WELL INSTALLATION**

### **2.1 Groundwater Monitoring Well Installation Methods**

Monitoring well MW-10 was installed along Hicks Street, and monitoring well MW-11 was installed along Seabro Avenue, in Amityville, NY. Hollow stem augers and mud rotary were utilized to install the monitoring well at location MW-10. Mud rotary was utilized from 55 feet below grade to 70 feet below grade to address running sands that were limiting the collection of soil samples for visual classification. Hollow stem augers were utilized to install the monitoring well at location MW-11. Prior and subsequent to each monitoring well installation, drilling equipment was decontaminated using a Liquinox and potable water wash and distilled water rinse. Soil boring logs are provided as Appendix 2. All drill cuttings were screened for contamination using visual and olfactory methods, as well as a photoionization detector (PID). Prior to its use, the PID was calibrated according to its manufacturer's instructions using 100 parts per million (ppm) isobutylene gas and background ambient air to represent zero ppm to create a two-point calibration curve. Soils beneath the property mostly consist of tan, medium to coarse-grained sands mixed with gravels and cobbles.

Groundwater monitoring wells were constructed of two-inch diameter schedule 40 PVC piping. Monitoring well MW-10 consists of 65 feet of solid riser pipe and five feet of screened pipe. Monitoring well MW-11 consists of 69.5 feet of solid riser pipe and five feet of screened pipe. No. 2 Morie gravel pack was installed around the screen to approximately three feet above the screen. Six-inches of hydrated-bentonite pellets were installed on top of the gravel pack. A grout mixture was installed from the top of the bentonite seal to approximately six-inches below grade to limit the infiltration of groundwater from above. Locking "J" caps were installed on top of the wells, and solid steel manhole covers were installed around the wells and sealed in-place with concrete.

Depth to water was measured in monitoring well MW-10 at 16.3 feet below grade, and in monitoring well MW-11 at 15.1 feet below grade. Monitoring well construction logs are included as Figure 2 and Figure 3.

There were five drums from previous site characterization activities and five drums from the current monitoring well installations. Based on the analytical results the material was classified as non-hazardous material. AB Oil transported the material from the site to their facility. The material was then disposed of at the Waste Management/TRRF Landfill Facility in Tullytown, PA. Laboratory report of soil cuttings are provided in Appendix 4 and the waste disposal manifest is presented in Appendix 5.

### **3.0 GROUNDWATER MONITORING**

Seven groundwater monitoring wells (MW-2, MW-6, MW-7, MW-8, MW-9, MW-10, and MW-11) were sampled on August 21, 2008. Figure 4 shows the locations of all the monitoring wells sampled.

#### **3.1 Groundwater Sampling and Analysis Methods**

Prior to the collection of groundwater samples, each monitoring well is checked for the presence of LNAPL using a Solinst oil-water meter. If LNAPL is detected, the monitoring well is not sampled. If LNAPL is not detected, the monitoring well is sampled. LNAPL was not noted at any of the monitoring wells sampled on August 21, 2008.

Groundwater is purged from each well using a low-flow submersible pump, and at least three casing volumes are purged from the well prior to sampling to minimize turbidity. During purging, terminal groundwater quality parameters were recorded. Temperature in degrees Celsius, pH, turbidity in nephelometric turbidity units, and electrical conductivity in milli-Siemens readings were recorded prior to groundwater sampling for each well casing removed. Groundwater samples were collected once the readings became stable, and when no more than a ten percent difference was noted between the last two readings. The groundwater quality parameters are summarized in Table 1. The pH readings from monitoring well MW-11 are high when compared to the pH readings from the other wells sampled. The pH readings for monitoring well MW-11 were taken between the pH readings from monitoring well MW-10 and MW-2 which show similar pH readings and the same meter was used for all three monitoring wells.

The groundwater samples were placed into sealed laboratory-supplied glassware, labeled, properly preserved, and placed into a cooler with ice to maintain a temperature of four degrees Celsius or less during transportation. A matrix spike (MS), matrix spike duplicate (MSD), field duplicate (FD), and trip blank were also collected to ensure quality control/assurance. Groundwater samples were delivered to United Chemists for the analysis of volatile organic compounds (VOCs) via USEPA Method 8260, metals via USPEA Method 6010, mercury via USEPA Method 7470, and hexavalent chromium via SM3500D. A chain of custody was also completed to document sample possession.

### **3.2     Groundwater Chemical Analytical Results**

The VOC groundwater chemical analytical results are summarized in Table 2 and are compared to the New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards (the NYSDEC Groundwater Standards). The laboratory report of the groundwater chemical analytical results are provided as Appendix 4. The results of the groundwater monitoring event show that no VOCs were detected in any of the monitoring wells sampled. A field duplicate was collected and analyzed from monitoring well MW-10 (MW-10 FD). No VOCs were detected in either the sample from monitoring well MW-10 or the field duplicate (MW-10 FD). A trip blank sample was also collected and analyzed. No VOCs were detected in the trip blank sample.

The metals, mercury, and hexavalent chromium groundwater chemical analytical results are summarized in Table 3 and are compared to the NYSDEC Groundwater Standards. Barium was detected in monitoring wells MW-2, MW-6, MW-8, MW-9, MW-10, and MW-11. Chromium was detected in monitoring wells MW-2, MW-6, MW-7, MW-8, MW-10, and MW-11. Zinc was detected in all of the monitoring wells sampled and hexavalent chromium was detected in monitoring wells MW-7, and MW-8. None of the concentrations of barium or zinc detected exceeded their respective NYSDEC Groundwater Standards. None of the concentrations of chromium detected exceeded their NYSDEC Groundwater Standard with the exception of chromium in monitoring well MW-7. The concentration of chromium detected in monitoring well MW-7 was 150 ug/L which is above its NYSDEC Groundwater Standard of 50 ug/L. The concentrations of hexavalent chromium in monitoring wells MW-7 and MW-8 exceeded their NYSDEC Groundwater Standards. The concentration of hexavalent chromium in monitoring well MW-7 was 180 ug/L and the concentration of hexavalent chromium in monitoring well MW-8 was 60 ug/L where the NYSDEC Groundwater Standard is 50 ug/L. A field duplicate was collected and analyzed from monitoring well MW-10 (MW-10 FD). Barium, beryllium, chromium, lead, and hexavalent chromium were detected in sample MW-10 FD. The concentrations of all of the compounds detected in the sample collected from monitoring well MW-10 and its field duplicate, MW-10 FD, are within normal limits with the exception of hexavalent chromium. Hexavalent chromium was detected in sample MW-10 FD and was not detected in sample MW-10, and the concentration of hexavalent chromium in sample MW-10 FD is above the NYSDEC Groundwater Standards at a concentration of 130 ug/L.

## **APPENDIX 1**

## **FIGURES**



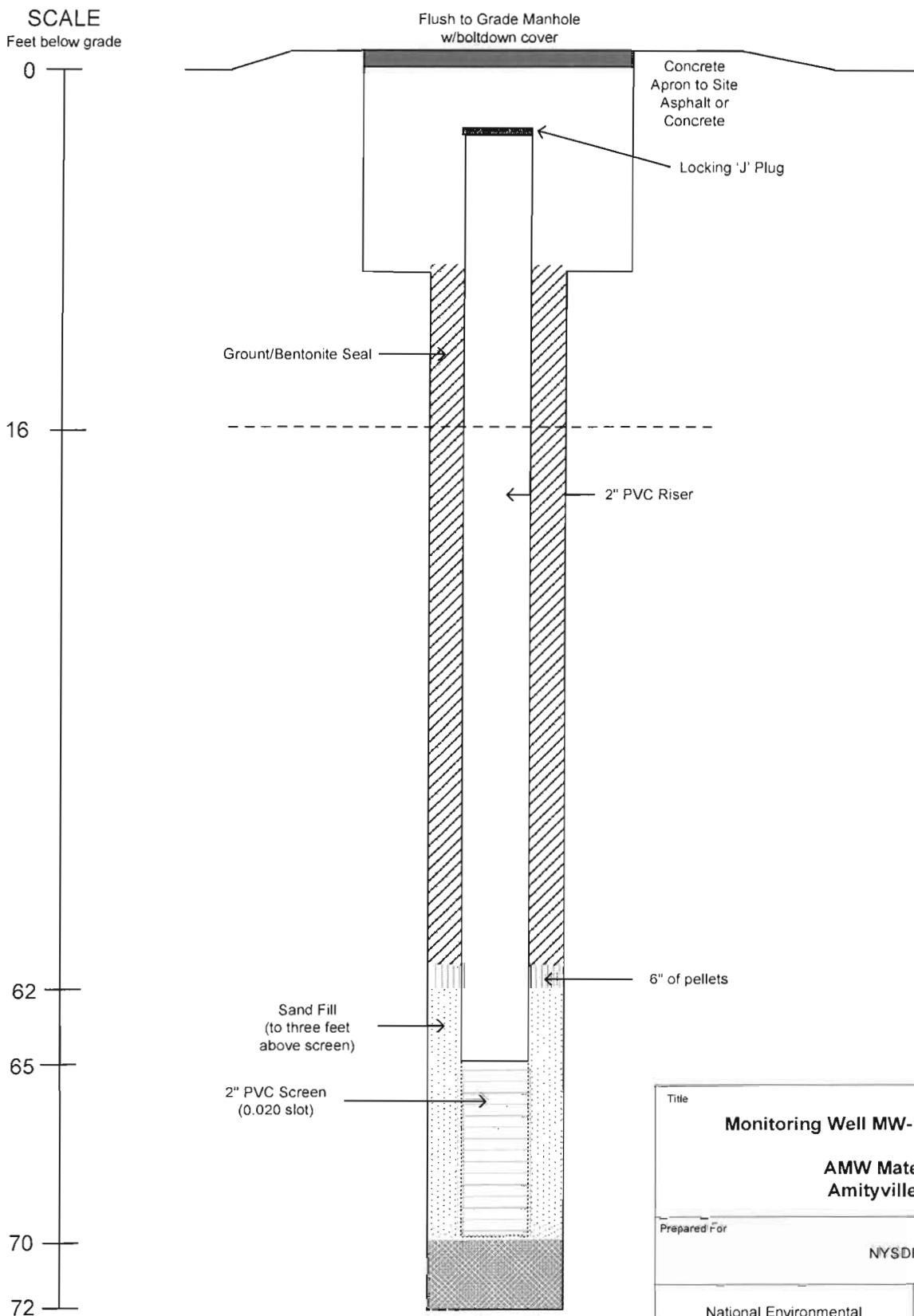
AMW Matyerials Site  
Albany Avenue, Amityville

National Environmental  
Management Associates Corp.  
59-18 Central Avenue  
Farmingdale, New York 11735  
631-843-9020

Figure

1

**SCALE**  
Feet below grade

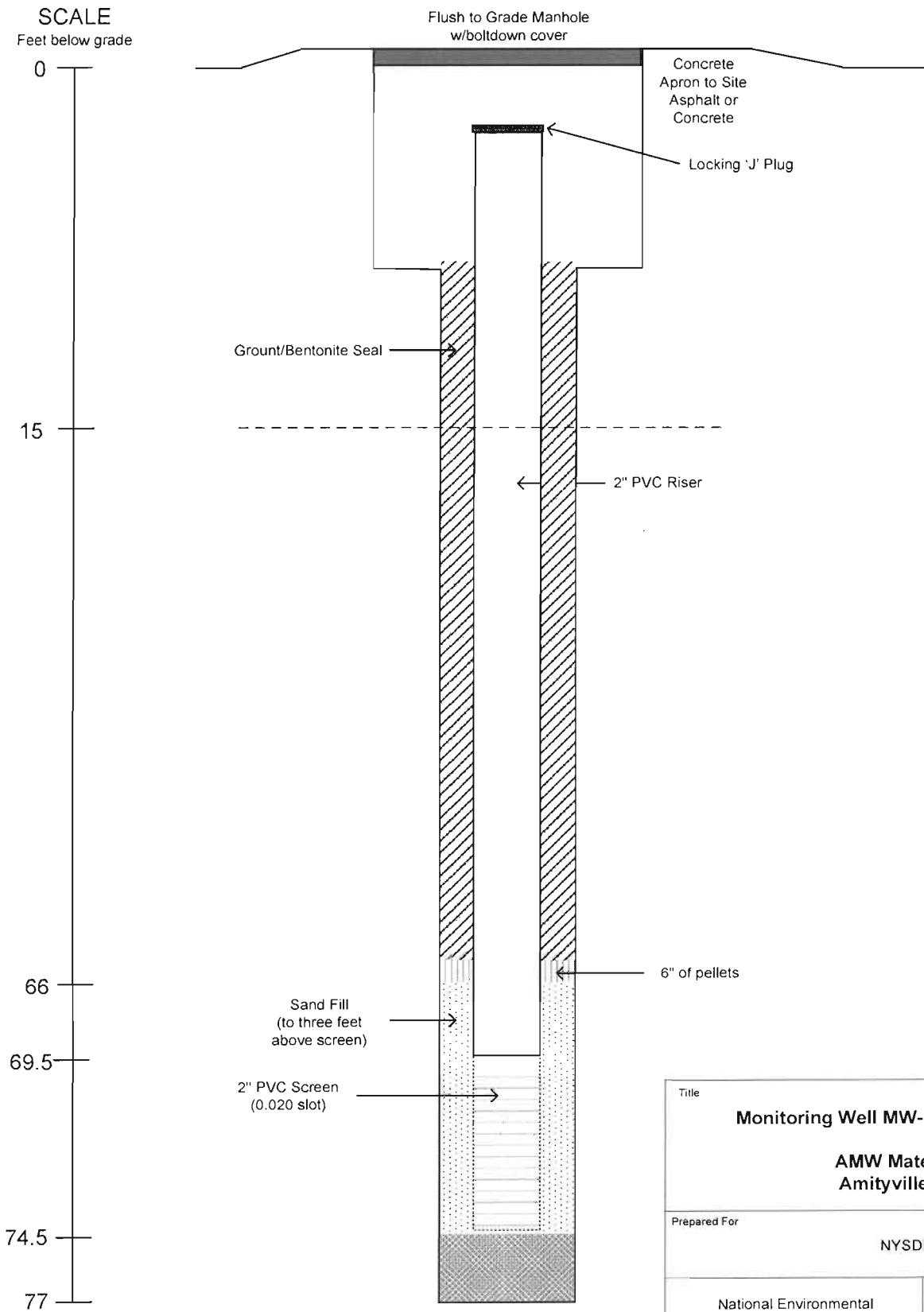


AMW Amityville MW-10 Well Design

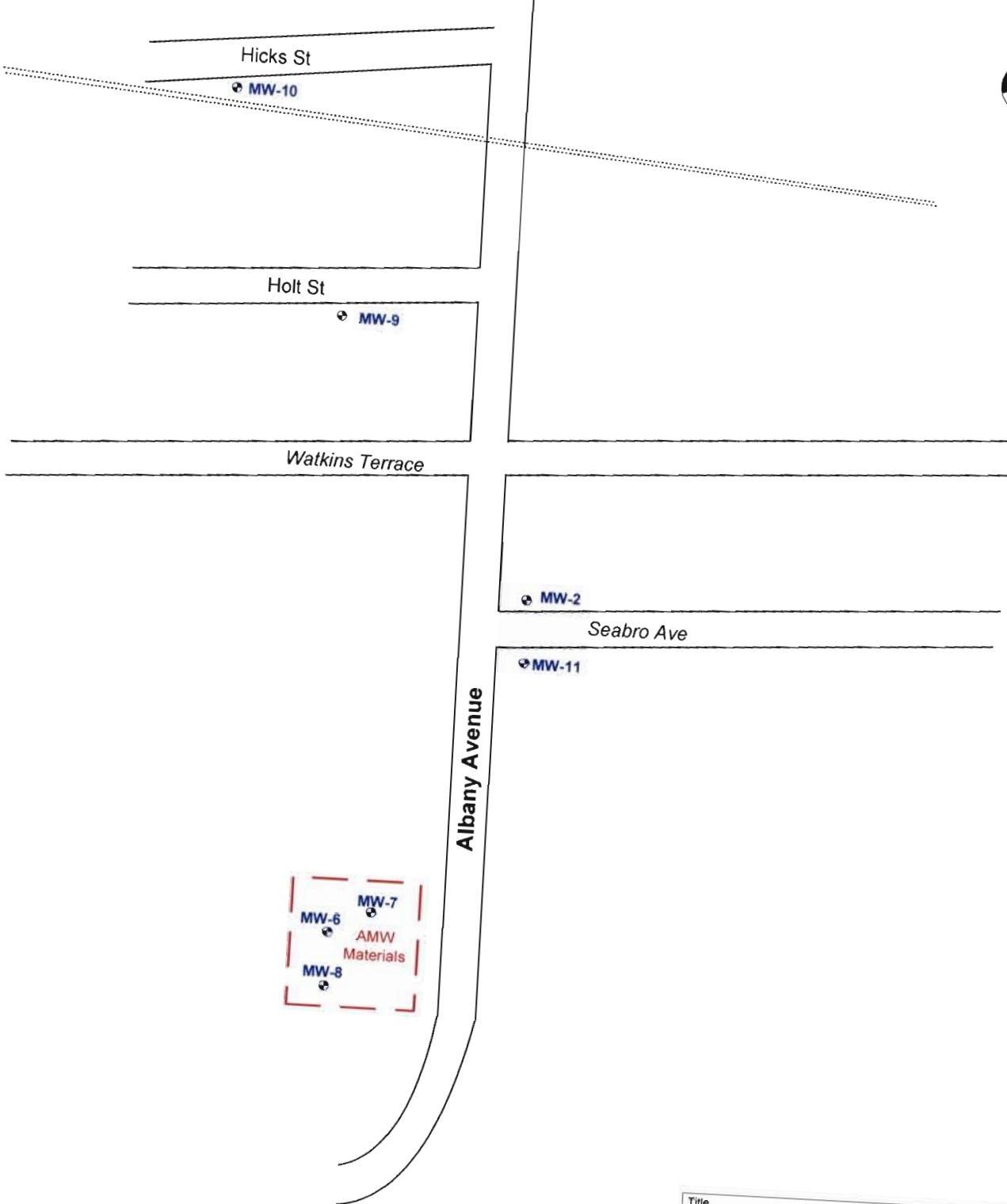
Title <b>Monitoring Well MW-10 Design Detail</b>	
AMW Materials <b>Amityville, NY</b>	
Prepared For <b>NYSDEC</b>	
Scale <b>Graphic</b>	
Date <b>August 2008</b>	

**2**

**SCALE**  
Feet below grade



Title <b>Monitoring Well MW-11 Design Detail</b>		
AMW Materials Amityville, NY		
Prepared For		NYSDEC
National Environmental Management Associates Corp. 59-18 Central Avenue Farmingdale, New York 11735 631-843-9020	Scale Graphic	Figure 3
	Date August 2008	



AMW Materials Fig 4 Well Locations

Title		
Monitoring Well Locations		
AMW Materials 666 Albany Avenue Amityville, NY		
Prepared For		
NYSDEC Albany Central Office		
National Environmental Management Associates Corp. 59-18 Central Avenue Farmingdale, New York 11735 631-843-9020	Scale	Figure
NTS	Date	4
September 2008		

**APPENDIX 2**  
**SOIL BORING LOGS**

National Environmental Management Associates Corp.						BORING LOG ID			MW-10	
PROJECT: NYSDEC - AMW Materials						BORING LOCATION			Hicks Street, Amityville	
CLIENT: NYSDEC						DATE STARTED:			7/30/08	
DRILLER: SUMMIT						DATE ENDED:			7/31/08	
DRILL EQUIPMENT: CME 75						GEOLOGIST/ENGINEER:			P. LiPetri/S. Eng	
DEPTH TO GROUNDWATER: 16.3'						WELL INSTALLED (YES OR NO):			YES	
# OF SOIL SAMPLES TAKEN: 8						WELL SIZE (DIAMETER X LENGTH):			2" x 70'	
	SAMPLE			DESCRIPTION			PID (PPM)	SAMPLED (YES OR NO)	REMARKS	
DEPTH FEET	GRAPHIC	BLOWS PER 6"	% REC	COLOR	MATERIAL DESCRIPTION					
XXXX	XXXXX	XX	XX	XXXX	NOTE GEOLOGY PLUS ALL STAINING, ODORS, DRY, MOIST, VERY MOIST, WET		XXXX	XXXX	XXXXXXXXXXXXXXXX	
1					ASPHALT			NO	drill cuttings	
5					Dark Brown	SAND, Gravel, dry	-	NO	drill cuttings	
10					Light Tan	SAND, Cobble, dry	-	NO	drill cuttings	
15					Tan	SAND, Cobble, dry	-	NO	drill cuttings	
20					Dark Tan	coarse-grained SAND, Cobble, dry	-	NO	drill cuttings	
25					Light Tan	coarse-grained SAND, Cobble, dry	-	NO	drill cuttings	
30					Tan	medium-grained SAND, Gravel, dry	-	NO	drill cuttings	
35					Tan	medium-grained SAND, Gravel, moist	-	NO	drill cuttings	
COMMENTS										
asphalt				medium-grained sand				PAGE 1 OF 3		
Medium-coarse grained sand				coarse-grained sand						

National Environmental Management Associates Corp.						BORING LOG ID			MW-10	
PROJECT: NYSDEC - AMW Materials						BORING LOCATION			Hicks Street, Amityville	
CLIENT: NYSDEC						DATE STARTED:			7/30/08	
DRILLER: SUMMIT						DATE ENDED:			7/31/08	
DRILL EQUIPMENT: CME 75						GEOLOGIST/ENGINEER:			P. LiPetri/S. Eng	
DEPTH TO GROUNDWATER: 16.3'						WELL INSTALLED (YES OR NO):			YES	
# OF SOIL SAMPLES TAKEN: 8						WELL SIZE (DIAMETER X LENGTH):			2" x 70'	
SAMPLE		DESCRIPTION				PID (PPM)	SAMPLED (YES OR NO)	REMARKS		
DEPTH FEET	GRAPHIC	BLOWS PER 6"	% REC	COLOR	MATERIAL DESCRIPTION					
XXXX	XXXXX	XX	XX	XXXX	XXXXX	NOTE GEOLOGY PLUS ALL STAINING, ODORS, DRY, MOIST, VERY MOIST, WET			XXXX	
40		8	1	100	Tan	coarse-grained SAND, Gravel, very moist			0	
41		2	9	100	Tan	coarse-grained SAND, Gravel, very moist			0	
45		16	31							
		18	13	75	Light Tan	coarse-grained SAND, Gravel, wet, no staining			0	
50		5	6							
		9	10	100	Tan	coarse-grained SAND, sub-rounded Gravel, very moist, no staining			0	
55		13	10						switched from auger to mud rotary	
		11	13	25	Tan	coarse-grained SAND, wet, no staining			2.4	
60		6	6							
		8	7	30	Tan	coarse-grained SAND, sub-angular Gravel, wet, no staining			0.3	
65		3	6							
		18	36	15	Light Tan	coarse-grained SAND, angular Gravel, wet			1.7	
COMMENTS										
asphalt										
Medium-coarse grained sand										

National Environmental Management Associates Corp.						BORING LOG ID			MW-10	
PROJECT: NYSDEC - AMW Materials			BORING LOCATION			Hicks Street, Amityville				
CLIENT: NYSDEC			DATE STARTED:			7/30/08				
DRILLER: SUMMIT			DATE ENDED:			7/31/08				
DRILL EQUIPMENT: CME 75			GEOLOGIST/ENGINEER:			P. LiPetri/S. Eng				
DEPTH TO GROUNDWATER: 16.3'			WELL INSTALLED (YES OR NO):			YES				
# OF SOIL SAMPLES TAKEN: 8			WELL SIZE (DIAMETER X LENGTH):			2" x 70'				
DEPTH FEET	SAMPLE			DESCRIPTION			PID (PPM)	SAMPLED (YES OR NO)	REMARKS	
	GRAPHIC	BLOWS PER 6"	% REC	COLOR	MATERIAL DESCRIPTION					
XXXX	XXXXX	XX	XX	XXXX	XXXXX	NOTE GEOLOGY PLUS ALL STAINING, ODORS, DRY, MOIST, VERY MOIST, WET	XXXX	XXXX	XXXXXXXXXXXXXXXX	
70		4	5							
		11	17	10	Light Tan	medium-coarse grained SAND, well-graded angular Gravel and Cobble, wet, no staining, no odors	0	YES		
75										
80										
COMMENTS										PAGE 3 OF 3
asphalt					medium-grained sand coarse-grained sand					
Medium-coarse grained sand										

**National Environmental  
Management Associates Corp.**

**BORING LOG ID**

MW-11

**PROJECT:** NYSDEC - AMW Materials      **BORING LOCATION:** Seabro Avenue, Amityville

**CLIENT:** NYSDEC      **DATE STARTED:** 7/31/08

**DRILLER:** SUMMIT      **DATE ENDED:** 8/1/08

**DRILL EQUIPMENT:** B-61 Mobile      **GEOLOGIST/ENGINEER:** P. LiPetri/S. Eng

**DEPTH TO GROUNDWATER:** 15.1'      **WELL INSTALLED (YES OR NO):** YES

**# OF SOIL SAMPLES TAKEN:** 5      **WELL SIZE (DIAMETER X LENGTH):** 2" x 74'

DEPTH FEET	SAMPLE				DESCRIPTION		PID (PPM)	SAMPLED (YES OR NO)	REMARKS
	GRAPHIC	BLOWS PER 6"	% REC	COLOR	MATERIAL DESCRIPTION				
XXXX	XXXXX	XX	XX	XXXX	XXXXX	NOTE GEOLOGY PLUS ALL STAINING, ODORS, DRY, MOIST, VERY MOIST, WET	XXXX	XXXX	XXXXXXXXXXXX
1	[Hatched]					CONCRETE	-	NO	drill cuttings
5					Tan	coarse-grained SAND, Cobble, dry	-	NO	drill cuttings
10					Tan	coarse-grained SAND, Cobbles, dry, no staining	-	NO	drill cuttings
15					Tan	coarse-grained SAND, Cobble, moist, no staining	-	NO	drill cuttings
20					Tan	coarse-grained SAND, Cobble, moist, no staining, no odors	-	NO	drill cuttings
25					Light Tan	coarse-grained SAND, Cobble, moist, no staining	-	NO	drill cuttings
30					Tan	coarse-grained SAND, Gravel, moist, no staining	-	NO	drill cuttings

**COMMENTS**

concrete



medium-grained sand



Medium-coarse grained sand

coarse-grained sand

PAGE 1 OF 3

<b>National Environmental Management Associates Corp.</b>						<b>BORING LOG ID</b>			MW-11
PROJECT: NYSDEC - AMW Materials						BORING LOCATION			Seabro Avenue, Amityville
CLIENT: NYSDEC						DATE STARTED:			7/31/08
DRILLER: SUMMIT						DATE ENDED:			8/1/08
DRILL EQUIPMENT: B-61 Mobile						GEOLOGIST/ENGINEER:			P. LiPetri/S. Eng
DEPTH TO GROUNDWATER: 15.1'						WELL INSTALLED (YES OR NO):			YES
# OF SOIL SAMPLES TAKEN: 5						WELL SIZE (DIAMETER X LENGTH):			2" x 74'
DEPTH FEET	SAMPLE			DESCRIPTION			PID (PPM)	SAMPLED (YES OR NO)	REMARKS
	GRAPHIC	BLOWS PER 6"	% REC	COLOR	MATERIAL DESCRIPTION				
XXXX	XXXXX	XX	XX	XXXX	XXXXX	NOTE GEOLOGY PLUS ALL STAINING, ODORS, DRY, MOIST, VERY MOIST, WET	XXXX	XXXX	XXXXXXXXXXXX
35					Tan	coarse-grained SAND, Gravel, moist	-	NO	drill cuttings
40					Tan	medium-coarse grained SAND, Gravel, very moist, no odor	-	NO	drill cuttings
41									
45					Tan	coarse-grained SAND, subrounded Gravel, very moist	-	NO	drill cuttings
50		6	5						
		4	5	75	Light Tan	medium-coarse grained SAND, Gravel, wet, no odors	0	YES	
55		7	9						
		10	11	0	--	--	--	--	
60		27	30						
		34	40	77	Tan	coarse-grained SAND, Gravel, moist, no staining, no odor	0	YES	
<b>COMMENTS</b>									
concrete						medium-grained sand			PAGE 2 OF 3
Medium-coarse grained sand						coarse-grained sand			

National Environmental Management Associates Corp.						BORING LOG ID MW-11			
PROJECT: NYSDEC - AMW Materials						BORING LOCATION Seabro Avenue, Amityville			
CLIENT: NYSDEC						DATE STARTED: 7/31/08			
DRILLER: SUMMIT						DATE ENDED: 8/1/08			
DRILL EQUIPMENT: B-61 Mobile						GEOLOGIST/ENGINEER: P. LiPetri/S. Eng			
DEPTH TO GROUNDWATER: 15.1'						WELL INSTALLED (YES OR NO): YES			
# OF SOIL SAMPLES TAKEN: 5						WELL SIZE (DIAMETER X LENGTH): 2" x 74'			
DEPTH FEET	SAMPLE			DESCRIPTION			PID (PPM)	SAMPLED (YES OR NO)	REMARKS
	GRAPHIC	BLOWS PER 6"	% REC	COLOR	MATERIAL DESCRIPTION				
XXXX	XXXXX	XX	XX	XXXX	XXXXX	NOTE GEOLOGY PLUS ALL STAINING, ODORS, DRY, MOIST, VERY MOIST, WET	XXXX	XXXX	XXXXXXXXXXXX
65		16	22						
		50	*	75	Light Tan	coarse-grained SAND, subangular Gravel, moist, no staining, no odor	0	YES	* indicates 50/4, refusal at 4"
70		17	36						
		54	35	75	Tan	medium-coarse grained SAND, angular Gravel, very moist	0	YES	
75		24	48						
		50	*	55	Tan	medium-coarse grained SAND, subrounded Gravel, moist, no staining, no odor	0	YES	* indicates 50/4, refusal at 4"
80									
COMMENTS									
Medium-coarse grained sand			concrete		medium-grained sand		PAGE 3 OF 3		

**APPENDIX 3**  
**TABLES**

**Table 1**  
**Groundwater Purge Logs**  
**AMW Materials**  
**666 Albany Avenue, Amityville, New York**

<b>MW-2</b>					
<b>Time</b>	<b>DTW</b>	<b>T °C</b>	<b>Turbidity</b>	<b>pH</b>	<b>EC</b>
16:24	15.40	22	19.37	8.8	0.16
16:31	15.40	22	159	8.2	0.21
16:34	15.40	22	233	8.3	0.36
16:40	15.40	22	151	7.9	0.38
16:48	15.40	22	82.0	8.0	0.40
16:51	15.40	22	72.5	7.8	0.39
16:56	15.40	22	55.4	7.5	0.40
17:01	15.40	22	47.9	7.6	0.39
17:08	15.40	22	43.3	7.7	0.39

<b>MW-6</b>					
<b>Time</b>	<b>DTW</b>	<b>T °C</b>	<b>Turbidity</b>	<b>pH</b>	<b>EC</b>
10:48	17.05	22	331	NA	NA
11:01	17.05	22	95	NA	NA
11:31	17.05	22	1.72	6.2	0.28
11:44	17.10	22	1.51	6.3	0.25
11:59	17.10	22	5.42	6.3	0.28
12:09	17.10	22	4..65	5.9	0.26
12:14	17.10	22	3.96	6.0	0.25
12:18	17.10	22	4.34	6.0	0.25
	-	-	-	-	-

<b>MW-7</b>					
<b>Time</b>	<b>DTW</b>	<b>T °C</b>	<b>Turbidity</b>	<b>pH</b>	<b>EC</b>
9:58	16.45	NA	33.7	NA	NA
10:08	16.45	NA	28.5	NA	NA
10:17	16.45	NA	21.6	NA	NA
10:34	16.50	NA	15.8	NA	NA
	-	-	-	-	-
	-	-	-	-	-

<b>MW-8</b>					
<b>Time</b>	<b>DTW</b>	<b>T °C</b>	<b>Turbidity</b>	<b>pH</b>	<b>EC</b>
12:42	16.00	22	428	6.4	0.31
12:49	16.00	22	235	6.0	0.30
12:56	16.00	22	135	5.6	0.29
13:00	16.00	22	67.7	6.0	0.29
13:04	16.00	22	24.4	5.6	0.29
13:06	16.00	22	16.43	5.9	0.29

**Notes:**

DTW            Depth To Water  
 NA            Not Available  
 T °C           Temperature in degrees Celsius  
 EC            Electrical Conductivity (in milli-Siemens)

Turbidity (in nephelometric turbidity unit)

Depths measured in feet below top of well casing

**Table 1**  
**Groundwater Purge Logs**  
**AMW Materials**  
**666 Albany Avenue, Amityville, New York**

<b>MW-9</b>					
Time	DTW	T °C	Turbidity	pH	EC
13:30	14.92	22	798	6.2	0.18
13:35	14.90	22	441	6.2	0.18
13:39	14.90	22	224	6.1	0.19
13:42	14.90	22	98.7	5.8	0.17
13:45	14.92	22	10.25	6.1	0.17
13:49	14.90	22	7.86	6.1	0.17
13:52	14.90	22	2.90	5.8	0.17
-	-	-	-	-	-
-	-	-	-	-	-

<b>MW-10</b>					
Time	DTW	T °C	Turbidity	pH	EC
14:28	16.30	22	9.16	6.1	1.23
14:32	16.30	22	5.31	6.2	1.18
14:35	16.30	22	4.70	6.4	1.04
14:38	16.30	22	4.96	6.7	1.26
14:41	16.20	22	4.71	6.6	1.25
14:45	16.30	22	6.53	6.8	1.25
14:48	16.30	22	10.34	6.8	1.25
14:50	16.30	22	16.99	7.0	1.26
14:54	16.30	22	12.23	6.9	1.26

<b>MW-11</b>					
Time	DTW	T °C	Turbidity	pH	EC
15:26	15.15	22	34.00	9.7	0.63
15:30	15.18	22	4.33	9.9	0.60
15:36	15.18	22	3.81	10.1	0.60
15:39	15.15	22	4.06	10.1	0.59
15:42	15.15	22	3.47	10.1	0.59
15:49	15.15	22	6.45	10.1	0.59
15:54	15.15	22	3.37	10.1	0.59

**Notes:**

DTW            Depth To Water  
T °C            Temperature in degrees Celsius  
EC              Electrical Conductivity (in milli-Siemens)

Turbidity (in nephelometric turbidity unit)

Depths measured in feet below top of well casing

**Table 2**  
**Volatile Organic Compound Groundwater Chemical Analytical Results**  
**AMW Materials**  
**666 Albany Avenue, Amityville, New York**  
**August 21, 2008**

Parameter	Sample ID and Concentration (parts per billion - µg/L)					NYSDEC Class GA Ambient Water Quality Standard
	MW-2	MW-6	MW-7	MW-8	MW-9	
<b>Volatile Organic Compounds (in micrograms per liter)</b>						
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	5*
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	5*
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	5*
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1
1,1,2-Trichlorotrifluoroethane	ND	ND	ND	ND	ND	5*
1,1-Dichloroethane	ND	ND	ND	ND	ND	5*
1,1-Dichloroethene	ND	ND	ND	ND	ND	5*
1,1-Dichloropropene	ND	ND	ND	ND	ND	5*
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	5*
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.04
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	5*
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	5*
1,2-Dibromoethane	ND	ND	ND	ND	ND	-
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	3
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.6
1,2-Dichloropropane	ND	ND	ND	ND	ND	1
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	5*
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	3
1,3-Dichloropropane	ND	ND	ND	ND	ND	5*
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	3
2-Butanone	ND	ND	ND	ND	ND	50
2-Chlorotoluene	ND	ND	ND	ND	ND	5*
Bromodichloromethane	ND	ND	ND	ND	ND	50
2-Nitropropane	ND	ND	ND	ND	ND	-
4-Chlorotoluene	ND	ND	ND	ND	ND	5*
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	-
Acetone	ND	ND	ND	ND	ND	50
Acrylonitrile	ND	ND	ND	ND	ND	5*
Benzene	ND	ND	ND	ND	ND	1

**Notes:**

ND = Not Detected

\* = The Principal Organic Contaminant Standard applies.

The New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards were taken from the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1.

**Table 2**  
**Volatile Organic Compound Groundwater Chemical Analytical Results**  
**AMW Materials**  
**666 Albany Avenue, Amityville, New York**  
**August 21, 2008**

Parameter	Sample ID and Concentration (parts per billion - µg/L)					NYSDEC Class GA Ambient Water Quality Standard
	MW-2	MW-6	MW-7	MW-8	MW-9	
<b>Volatile Organic Compounds (in micrograms per liter)</b>						
Allyl chloride	ND	ND	ND	ND	ND	5*
Bromobenzene	ND	ND	ND	ND	ND	5*
Bromochloromethane	ND	ND	ND	ND	ND	5*
Bromoform	ND	ND	ND	ND	ND	50
Bromomethane	ND	ND	ND	ND	ND	5*
Carbon disulfide	ND	ND	ND	ND	ND	-
Carbon tetrachloride	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	5*
Chlorodifluoromethane	ND	ND	ND	ND	ND	-
Chloroethane	ND	ND	ND	ND	ND	5*
Chloroform	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	-
Dibromochloromethane	ND	ND	ND	ND	ND	50
Dibromomethane	ND	ND	ND	ND	ND	5*
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5*
Chloroprene	ND	ND	ND	ND	ND	5*
Diethyl ether	ND	ND	ND	ND	ND	-
Diisopropylether	ND	ND	ND	ND	ND	-
Ethanol	ND	ND	ND	ND	ND	-
Ethyl tert-butyl ether	ND	ND	ND	ND	ND	-
Ethylbenzene	ND	ND	ND	ND	ND	5*
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	ND	ND	ND	5*
Methacrylonitrile	ND	ND	ND	ND	ND	-
Methyl t-butyl ether	ND	ND	ND	ND	ND	10
Methylene chloride	ND	ND	ND	ND	ND	5*
Methyl methacrylate	ND	ND	ND	ND	ND	50
Naphthalene	ND	ND	ND	ND	ND	10
Styrene	ND	ND	ND	ND	ND	5*
Tertiary butyl alcohol	ND	ND	ND	ND	ND	-

**Notes:**

ND = Not Detected

\* = The Principal Organic Contaminant Standard applies.

The New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards were taken from the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1.

**Bolded** values indicate an exceedance of the NYSDEC Class GA Ambient Water Quality Standards.

AMW Materials

666 Albany Avenue, Amityville

**National Environmental Management Associates Corp**

Page 2 of 6

**Table 2**  
**Volatile Organic Compound Groundwater Chemical Analytical Results**  
**AMW Materials**  
**666 Albany Avenue, Amityville, New York**  
**August 21, 2008**

Parameter	Sample ID and Concentration (parts per billion - µg/L)					NYSDEC Class GA Ambient Water Quality Standard
	MW-2	MW-6	MW-7	MW-8	MW-9	
<b>Volatile Organic Compounds (in micrograms per liter)</b>						
Tetrachloroethylene	ND	ND	ND	ND	ND	5*
Toluene	ND	ND	ND	ND	ND	5*
Trichloroethene	ND	ND	ND	ND	ND	5*
Trichlorofluoromethane	ND	ND	ND	ND	ND	5*
Vinylchloride	ND	ND	ND	ND	ND	2
Vinyl Acetate	ND	ND	ND	ND	ND	-
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	3
cis-1,3-Dichloro-1-propene	ND	ND	ND	ND	ND	0.4
m+p-Xylene	ND	ND	ND	ND	ND	5*
n-Butylbenzene	ND	ND	ND	ND	ND	5*
n-Propylbenzene	ND	ND	ND	ND	ND	5*
o-Xylene	ND	ND	ND	ND	ND	5*
p-Isopropyltoluene	ND	ND	ND	ND	ND	5*
sec-Butylbenzene	ND	ND	ND	ND	ND	5*
tert-Butylbenzene	ND	ND	ND	ND	ND	5*
tert-amyl alcohol	ND	ND	ND	ND	ND	5*
tert-amyl methyl ether	ND	ND	ND	ND	ND	-
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	5*

**Notes:**

ND = Not Detected

\* = The Principal Organic Contaminant Standard applies.

The New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards were taken from the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1.

**Bolded** values indicate an exceedance of the NYSDEC Class GA Ambient Water Quality Standards.

**Table 2**  
**Volatile Organic Compound Groundwater Chemical Analytical Results**  
**AMW Materials**  
**666 Albany Avenue, Amityville, New York**  
**August 21, 2008**

Parameter	Sample ID and Concentration (parts per billion - µg/L)				NYSDEC Class GA Ambient Water Quality Standard
	MW-10	MW-10 FD	MW-11	Trip Blank	
<b>Volatile Organic Compounds (in micrograms per liter)</b>					
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	5*
1,1,1-Trichloroethane	ND	ND	ND	ND	5*
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	5*
1,1,2-Trichloroethane	ND	ND	ND	ND	1
1,1,2-Trichlorotrifluoroethane	ND	ND	ND	ND	5*
1,1-Dichloroethane	ND	ND	ND	ND	5*
1,1-Dichloroethene	ND	ND	ND	ND	5*
1,1-Dichloropropene	ND	ND	ND	ND	5*
1,2,3-Trichlorobenzene	ND	ND	ND	ND	5*
1,2,3-Trichloropropane	ND	ND	ND	ND	0.04
1,2,4-Trichlorobenzene	ND	ND	ND	ND	5*
1,2,4-Trimethylbenzene	ND	ND	ND	ND	5*
1,2-Dibromoethane	ND	ND	ND	ND	-
1,2-Dichlorobenzene	ND	ND	ND	ND	3
1,2-Dichloroethane	ND	ND	ND	ND	0.6
1,2-Dichloropropane	ND	ND	ND	ND	1
1,3,5-Trimethylbenzene	ND	ND	ND	ND	5*
1,3-Dichlorobenzene	ND	ND	ND	ND	3
1,3-Dichloropropane	ND	ND	ND	ND	5*
1,4-Dichlorobenzene	ND	ND	ND	ND	3
2-Butanone	ND	ND	ND	ND	50
2-Chlorotoluene	ND	ND	ND	ND	5*
Bromodichloromethane	ND	ND	ND	ND	50
2-Nitropropane	ND	ND	ND	ND	-
4-Chlorotoluene	ND	ND	ND	ND	5*
4-Methyl-2-pentanone	ND	ND	ND	ND	-
Acetone	ND	ND	ND	ND	50
Acrylonitrile	ND	ND	ND	ND	5*
Benzene	ND	ND	ND	ND	1

**Notes:**

ND = Not Detected

\* = The Principal Organic Contaminant Standard applies.

The New York State Department of Environmental Conservation  
(NYSDEC) Class GA Ambient Water Quality Standards were taken

**Table 2**  
**Volatile Organic Compound Groundwater Chemical Analytical Results**  
**AMW Materials**  
**666 Albany Avenue, Amityville, New York**  
**August 21, 2008**

Parameter	Sample ID and Concentration (parts per billion - µg/L)				NYSDEC Class GA Ambient Water Quality Standard
	MW-10	MW-10 FD	MW-11	Trip Blank	
<b>Volatile Organic Compounds (in micrograms per liter)</b>					
Allyl chloride	ND	ND	ND	ND	5*
Bromobenzene	ND	ND	ND	ND	5*
Bromochloromethane	ND	ND	ND	ND	5*
Bromoform	ND	ND	ND	ND	50
Bromomethane	ND	ND	ND	ND	5*
Carbon disulfide	ND	ND	ND	ND	-
Carbon tetrachloride	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	5*
Chlorodifluoromethane	ND	ND	ND	ND	-
Chloroethane	ND	ND	ND	ND	5*
Chloroform	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	-
Dibromochloromethane	ND	ND	ND	ND	50
Dibromomethane	ND	ND	ND	ND	5*
Dichlorodifluoromethane	ND	ND	ND	ND	5*
Chloroprene	ND	ND	ND	ND	5*
Diethyl ether	ND	ND	ND	ND	-
Diisopropylether	ND	ND	ND	ND	-
Ethanol	ND	ND	ND	ND	-
Ethyl tert-butyl ether	ND	ND	ND	ND	-
Ethylbenzene	ND	ND	ND	ND	5*
Hexachlorobutadiene	ND	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	ND	ND	5*
Methacrylonitrile	ND	ND	ND	ND	-
Methyl t-butyl ether	ND	ND	ND	ND	10
Methylene chloride	ND	ND	ND	ND	5*
Methyl methacrylate	ND	ND	ND	ND	50
Naphthalene	ND	ND	ND	ND	10
Styrene	ND	ND	ND	ND	5*
<b>Tertiary butyl alcohol</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>-</b>

**Notes:**

ND = Not Detected

\* = The Principal Organic Contaminant Standard applies.

The New York State Department of Environmental Conservation

(NYSDEC) Class GA Ambient Water Quality Standards were taken

**Bolded** values indicate an exceedance of the NYSDEC Class GA Ambient Water Quality Standards.

AMW Materials

666 Albany Avenue, Amityville

**National Environmental Management Associates Corp**

Page 5 of 6

**Table 2**  
**Volatile Organic Compound Groundwater Chemical Analytical Results**  
**AMW Materials**  
**666 Albany Avenue, Amityville, New York**  
**August 21, 2008**

Parameter	Sample ID and Concentration (parts per billion - µg/L)				NYSDEC Class GA Ambient Water Quality Standard
	MW-10	MW-10 FD	MW-11	Trip Blank	
<b>Volatile Organic Compounds (in micrograms per liter)</b>					
<b>Tetrachloroethylene</b>	ND	ND	ND	ND	5*
<b>Toluene</b>	ND	ND	ND	ND	5*
<b>Trichloroethene</b>	ND	ND	ND	ND	5*
<b>Trichlorofluoromethane</b>	ND	ND	ND	ND	5*
<b>Vinylchloride</b>	ND	ND	ND	ND	2
<b>Vinyl Acetate</b>	ND	ND	ND	ND	-
<b>cis-1,2-Dichloroethene</b>	ND	ND	ND	ND	3
<b>cis-1,3-Dichloro-1-propene</b>	ND	ND	ND	ND	0.4
<b>m+p-Xylene</b>	ND	ND	ND	ND	5*
<b>n-Butylbenzene</b>	ND	ND	ND	ND	5*
<b>n-Propylbenzene</b>	ND	ND	ND	ND	5*
<b>o-Xylene</b>	ND	ND	ND	ND	5*
<b>p-Isopropyltoluene</b>	ND	ND	ND	ND	5*
<b>sec-Butylbenzene</b>	ND	ND	ND	ND	5*
<b>tert-Butylbenzene</b>	ND	ND	ND	ND	5*
<b>tert-amyl alcohol</b>	ND	ND	ND	ND	5*
<b>tert-amyl methyl ether</b>	ND	ND	ND	ND	-
<b>trans-1,2-Dichloroethene</b>	ND	ND	ND	ND	5*

**Notes:**

ND = Not Detected

\* = The Principal Organic Contaminant Standard applies.

The New York State Department of Environmental Conservation

(NYSDEC) Class GA Ambient Water Quality Standards were taken

**Bolded** values indicate an exceedance of the NYSDEC Class GA Ambient Water Quality Standards.

**Table 3**  
**Metals Groundwater Chemical Analytical Results**  
**AMW Materials**  
**666 Albany Avenue**  
**Amityville, New York**

August 21, 2008

Parameter	Sample ID and Concentration (mg/L)					NYSDEC Class GA Ambient Water Quality Standard
	MW-2	MW-6	MW-7	MW-8	MW-9	
<b>Metals (in milligrams per liter)</b>						
Antimony	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND
<b>Barium</b>	<b>0.041</b>	<b>0.080</b>	ND	0.063	0.014	0.13
Beryllium	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND
<b>Chromium</b>	<b>0.026</b>	<b>0.019</b>	<b>0.15</b>	0.043	ND	0.020
Copper	ND	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND	ND
Nickel	ND	ND	ND	ND	ND	ND
Selenium	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND
<b>Thallium</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
Zinc	0.030	0.010	0.030	0.020	0.018	0.050
Mercury	ND	ND	ND	ND	ND	ND
<b>Hexavalent Chromium</b>	<b>ND</b>	<b>ND</b>	<b>0.18</b>	<b>0.060</b>	<b>ND</b>	<b>0.13</b>
						ND
						0.050

**Notes:**

ND = Not Detected

\* = The Principal Organic Contaminant Standard applies.

The New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standards were taken from the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1.

**Bolded** values indicate an exceedance of the NYSDEC Class GA Ambient Water Quality Standards.

**APPENDIX 4**  
**LABORATORY REPORTS**



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

Client: National Environmental Management Associates

Project: AMW Amityville

Laboratory Identifier: 0808029  
Received: 08/21/2008

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*Respectfully submitted,*



*Laboratory Director*



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-1

Client Sample ID: MW-7

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromochloromethane	1.00	1.00	ug/L	U
75-25-2	Bromoform	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-1

Client Sample ID: MW-7

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

Collected: 08/21/2008 00:00

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-1

Client Sample ID: MW-7

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-2

Client Sample ID: MW-6

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromochloromethane	1.00	1.00	ug/L	U
75-25-2	Bromoform	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-2

Client Sample ID: MW-6

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-2

Client Sample ID: MW-6

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-3

Client Sample ID: MW-8

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromochloromethane	1.00	1.00	ug/L	U
75-25-2	Bromoform	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-3

Client Sample ID: MW-8

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

Collected: 08/21/2008 00:00

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-3

Client Sample ID: MW-8

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-4

Client Sample ID: MW-9

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromochloromethane	1.00	1.00	ug/L	U
75-25-2	Bromoform	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-4

Client Sample ID: MW-9

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

Collected: 08/21/2008 00:00

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-4

Client Sample ID: MW-9

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-5

Client Sample ID: MW-10

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromoform	1.00	1.00	ug/L	U
75-25-2	Bromomethane	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735

Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-5

Client Sample ID: MW-10

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-5

Client Sample ID: MW-10

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-6

Client Sample ID: MW-10MS

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	46.4	ug/L	
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	46.7	ug/L	
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromochloromethane	1.00	1.00	ug/L	U
75-25-2	Bromoform	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-6

Client Sample ID: MW-10MS

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	41.8	ug/L	
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	48.2	ug/L	
79-01-6	Trichloroethene	1.00	49.3	ug/L	
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-6

Client Sample ID: MW-10MS

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-7

Client Sample ID: MW-10MSD

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	45.9	ug/L	
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	44.9	ug/L	
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromochloromethane	1.00	1.00	ug/L	U
75-25-2	Bromoform	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-7

Client Sample ID: MW-10MSD

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	48.3	ug/L	
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	47.2	ug/L	
79-01-6	Trichloroethene	1.00	47.1	ug/L	
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-7

Client Sample ID: MW-10MSD

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-8

Client Sample ID: MW-10D

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromoform	1.00	1.00	ug/L	U
75-25-2	Bromomethane	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-8

Client Sample ID: MW-10D

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-8

Client Sample ID: MW-10D

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-9

Client Sample ID: MW-11

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromochloromethane	1.00	1.00	ug/L	U
75-25-2	Bromoform	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735

Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-9

Client Sample ID: MW-11

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-9

Client Sample ID: MW-11

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-10

Client Sample ID: MW-2

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromoform	1.00	1.00	ug/L	U
75-25-2	Bromomethane	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-10

Client Sample ID: MW-2

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

Collected: 08/21/2008 00:00

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-10

Client Sample ID: MW-2

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-11

Client Sample ID: Trip Blank

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	1.00	1.00	ug/L	U
71-55-6	1,1,1-Trichloroethane	1.00	1.00	ug/L	U
79-34-5	1,1,2,2-Tetrachloroethane	1.00	1.00	ug/L	U
79-00-5	1,1,2-Trichloroethane	1.00	1.00	ug/L	U
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	1.00	ug/L	U
75-34-3	1,1-Dichloroethane	1.00	1.00	ug/L	U
75-35-4	1,1-Dichloroethene	1.00	1.00	ug/L	U
563-58-6	1,1-Dichloropropene	1.00	1.00	ug/L	U
87-61-6	1,2,3-Trichlorobenzene	1.00	1.00	ug/L	U
96-18-4	1,2,3-Trichloropropane	1.00	1.00	ug/L	U
120-82-1	1,2,4-Trichlorobenzene	1.00	1.00	ug/L	U
95-63-6	1,2,4-Trimethylbenzene	1.00	1.00	ug/L	U
106-93-4	1,2-Dibromoethane	1.00	1.00	ug/L	U
95-50-1	1,2-Dichlorobenzene	1.00	1.00	ug/L	U
107-06-2	1,2-Dichloroethane	1.00	1.00	ug/L	U
78-87-5	1,2-Dichloropropane	1.00	1.00	ug/L	U
108-67-8	1,3,5-Trimethylbenzene	1.00	1.00	ug/L	U
541-73-1	1,3-Dichlorobenzene	1.00	1.00	ug/L	U
142-28-9	1,3-Dichloropropane	1.00	1.00	ug/L	U
106-46-7	1,4-Dichlorobenzene	1.00	1.00	ug/L	U
78-93-3	2-Butanone	1.00	1.00	ug/L	U
95-49-8	2-Chlorotoluene	1.00	1.00	ug/L	U
75-27-4	Bromodichloromethane	1.00	1.00	ug/L	U
106-43-4	4-Chlorotoluene	1.00	1.00	ug/L	U
79-46-9	2-Nitropropane	1.00	1.00	ug/L	U
108-10-1	4-Methyl-2-pentanone	1.00	1.00	ug/L	U
67-64-1	Acetone	5.00	5.00	ug/L	U
107-13-1	Acrylonitrile	1.00	1.00	ug/L	U
107-05-1	Allyl chloride	1.00	1.00	ug/L	U
71-43-2	Benzene	1.00	1.00	ug/L	U
108-86-1	Bromobenzene	1.00	1.00	ug/L	U
74-97-5	Bromochloromethane	1.00	1.00	ug/L	U
75-25-2	Bromoform	1.00	1.00	ug/L	U
74-83-9	Bromomethane	1.00	1.00	ug/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-11

Client Sample ID: Trip Blank

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
75-15-0	Carbon disulfide	1.00	1.00	ug/L	U
56-23-5	Carbon tetrachloride	5.00	5.00	ug/L	U
108-90-7	Chlorobenzene	1.00	1.00	ug/L	U
75-45-6	Chlorodifluoromethane	5.00	5.00	ug/L	U
75-00-3	Chloroethane	1.00	1.00	ug/L	U
67-66-3	Chloroform	1.00	1.00	ug/L	U
74-87-3	Chloromethane	1.00	1.00	ug/L	U
124-48-1	Dibromochloromethane	1.00	1.00	ug/L	U
74-95-3	Dibromomethane	1.00	1.00	ug/L	U
126-99-8	Chloroprene	1.00	1.00	ug/L	U
75-71-8	Dichlorodifluoromethane	1.00	1.00	ug/L	U
60-29-7	Diethyl ether	1.00	1.00	ug/L	U
108-20-3	Diisopropylether	1.00	1.00	ug/L	U
64-17-5	Ethanol	25.0	25.0	ug/L	U
637-92-3	Ethyl tert-butyl ether	1.00	1.00	ug/L	U
100-41-4	Ethylbenzene	1.00	1.00	ug/L	U
87-68-3	Hexachlorobutadiene	1.00	1.00	ug/L	U
98-82-8	Isopropylbenzene	1.00	1.00	ug/L	U
126-98-7	Methacrylonitrile	5.00	5.00	ug/L	U
1634-04-4	Methyl t-butyl ether	1.00	1.00	ug/L	U
96-33-3	Methyl methacrylate	1.00	1.00	ug/L	U
75-09-2	Methylene chloride	1.00	1.00	ug/L	U
91-20-3	Naphthalene	1.00	1.00	ug/L	U
100-42-5	Styrene	1.00	1.00	ug/L	U
75-65-0	Tertiary butyl alcohol	5.00	5.00	ug/L	U
127-18-4	Tetrachloroethylene	1.00	1.00	ug/L	U
108-88-3	Toluene	1.00	1.00	ug/L	U
79-01-6	Trichloroethene	1.00	1.00	ug/L	U
75-69-4	Trichlorofluoromethane	1.00	1.00	ug/L	U
108-05-4	Vinyl Acetate	1.00	1.00	ug/L	U
75-01-4	Vinylchloride	1.00	1.00	ug/L	U
156-59-2	cis-1,2-Dichloroethene	1.00	1.00	ug/L	U
10061-01-5	cis-1,3-Dichloro-1-propene	1.00	1.00	ug/L	U
108-38-3	m+p-Xylene	1.00	1.00	ug/L	U



# United Chemists

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NYS Lab ID # 11866

09/17/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808029-11

Client Sample ID: Trip Blank

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
104-51-8	n-Butylbenzene	1.00	1.00	ug/L	U
103-65-1	n-Propylbenzene	1.00	1.00	ug/L	U
95-47-6	o-Xylene	1.00	1.00	ug/L	U
99-87-6	p-Isopropyltoluene	1.00	1.00	ug/L	U
135-98-8	sec-Butylbenzene	1.00	1.00	ug/L	U
98-06-6	tert-Butylbenzene	1.00	1.00	ug/L	U
75-85-4	tert-amyl alcohol	1.00	1.00	ug/L	U
994-05-8	tert-amyl methyl ether	1.00	1.00	ug/L	U
156-60-5	trans-1,2-Dichloroethene	1.00	1.00	ug/L	U



# United Chemists

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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-1

Client Sample ID: MW-7

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.0050	mg/L	U
7440-38-2	Arsenic	0.0050	0.0050	mg/L	U
7440-39-3	Barium	0.0050	0.0050	mg/L	U
7440-41-7	Beryllium	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium	0.0050	0.0050	mg/L	U
7440-47-3	Chromium	0.0050	0.15	mg/L	
7440-50-8	Copper	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.010	0.010	mg/L	U
7439-92-1	Lead	0.0050	0.0050	mg/L	U
7782-49-2	Selenium	0.010	0.010	mg/L	U
7440-22-4	Silver	0.0050	0.0050	mg/L	U
7440-28-0	Thallium	0.0050	0.0050	mg/L	U
7440-66-6	Zinc	0.010	0.030	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-2

Client Sample ID: MW-6

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.0050	mg/L	U
7440-38-2	Arsenic	0.0050	0.0050	mg/L	U
7440-39-3	Barium	0.0050	0.080	mg/L	
7440-41-7	Beryllium	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium	0.0050	0.0050	mg/L	U
7440-47-3	Chromium	0.0050	0.019	mg/L	
7440-50-8	Copper	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.010	0.010	mg/L	U
7439-92-1	Lead	0.0050	0.0050	mg/L	U
7782-49-2	Selenium	0.010	0.010	mg/L	U
7440-22-4	Silver	0.0050	0.0050	mg/L	U
7440-28-0	Thallium	0.0050	0.0050	mg/L	U
7440-66-6	Zinc	0.010	0.010	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-3

Client Sample ID: MW-8

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.0050	mg/L	U
7440-38-2	Arsenic	0.0050	0.0050	mg/L	U
7440-39-3	Barium	0.0050	0.063	mg/L	
7440-41-7	Beryllium	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium	0.0050	0.0050	mg/L	U
7440-47-3	Chromium	0.0050	0.043	mg/L	
7440-50-8	Copper	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.010	0.010	mg/L	U
7439-92-1	Lead	0.0050	0.0050	mg/L	U
7782-49-2	Selenium	0.010	0.010	mg/L	U
7440-22-4	Silver	0.0050	0.0050	mg/L	U
7440-28-0	Thallium	0.0050	0.0050	mg/L	U
7440-66-6	Zinc	0.010	0.020	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-4

Client Sample ID: MW-9

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.0050	mg/L	U
7440-38-2	Arsenic	0.0050	0.0050	mg/L	U
7440-39-3	Barium	0.0050	0.014	mg/L	
7440-41-7	Beryllium	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium	0.0050	0.0050	mg/L	U
7440-47-3	Chromium	0.0050	0.0050	mg/L	U
7440-50-8	Copper	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.010	0.010	mg/L	U
7439-92-1	Lead	0.0050	0.0050	mg/L	U
7782-49-2	Selenium	0.010	0.010	mg/L	U
7440-22-4	Silver	0.0050	0.0050	mg/L	U
7440-28-0	Thallium	0.0050	0.0050	mg/L	U
7440-66-6	Zinc	0.010	0.018	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-5

Client Sample ID: MW-10

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.0050	mg/L	U
7440-38-2	Arsenic	0.0050	0.0050	mg/L	U
7440-39-3	Barium	0.0050	0.13	mg/L	
7440-41-7	Beryllium	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium	0.0050	0.0050	mg/L	U
7440-47-3	Chromium	0.0050	0.020	mg/L	
7440-50-8	Copper	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.010	0.010	mg/L	U
7439-92-1	Lead	0.0050	0.0050	mg/L	U
7782-49-2	Selenium	0.010	0.010	mg/L	U
7440-22-4	Silver	0.0050	0.0050	mg/L	U
7440-28-0	Thallium	0.0050	0.0050	mg/L	U
7440-66-6	Zinc	0.010	0.050	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-6

Client Sample ID: MW-10MS

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.13	mg/L	
7440-38-2	Arsenic	0.0050	0.40	mg/L	
7440-39-3	Barium	0.0050	0.51	mg/L	
7440-41-7	Beryllium	0.0010	0.38	mg/L	
7440-43-9	Cadmium	0.0050	0.38	mg/L	
7440-47-3	Chromium	0.0050	0.39	mg/L	
7440-50-8	Copper	0.010	0.39	mg/L	
7440-02-0	Nickel	0.010	0.38	mg/L	
7439-92-1	Lead	0.0050	0.37	mg/L	
7782-49-2	Selenium	0.010	0.39	mg/L	
7440-22-4	Silver	0.0050	0.12	mg/L	
7440-28-0	Thallium	0.0050	0.35	mg/L	
7440-66-6	Zinc	0.010	0.54	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-7

Client Sample ID: MW-10MSD

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.14	mg/L	
7440-38-2	Arsenic	0.0050	0.40	mg/L	
7440-39-3	Barium	0.0050	0.51	mg/L	
7440-41-7	Beryllium	0.0010	0.38	mg/L	
7440-43-9	Cadmium	0.0050	0.39	mg/L	
7440-47-3	Chromium	0.0050	0.39	mg/L	
7440-50-8	Copper	0.010	0.40	mg/L	
7440-02-0	Nickel	0.010	0.39	mg/L	
7439-92-1	Lead	0.0050	0.38	mg/L	
7782-49-2	Selenium	0.010	0.39	mg/L	
7440-22-4	Silver	0.0050	0.11	mg/L	
7440-28-0	Thallium	0.0050	0.35	mg/L	
7440-66-6	Zinc	0.010	0.88	mg/L	



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09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-8

Client Sample ID: MW-10D

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.0050	mg/L	U
7440-38-2	Arsenic	0.0050	0.0050	mg/L	U
7440-39-3	Barium	0.0050	0.060	mg/L	
7440-41-7	Beryllium	0.0010	0.0010	mg/L	
7440-43-9	Cadmium	0.0050	0.0050	mg/L	U
7440-47-3	Chromium	0.0050	0.021	mg/L	
7440-50-8	Copper	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.010	0.010	mg/L	U
7439-92-1	Lead	0.0050	0.0090	mg/L	
7782-49-2	Selenium	0.010	0.010	mg/L	U
7440-22-4	Silver	0.0050	0.0050	mg/L	U
7440-28-0	Thallium	0.0050	0.0050	mg/L	U
7440-66-6	Zinc	0.010	0.010	mg/L	U



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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-9

Client Sample ID: MW-11

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.0050	mg/L	U
7440-38-2	Arsenic	0.0050	0.0050	mg/L	U
7440-39-3	Barium	0.0050	0.026	mg/L	
7440-41-7	Beryllium	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium	0.0050	0.0050	mg/L	U
7440-47-3	Chromium	0.0050	0.0090	mg/L	
7440-50-8	Copper	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.010	0.010	mg/L	U
7439-92-1	Lead	0.0050	0.0050	mg/L	U
7782-49-2	Selenium	0.010	0.010	mg/L	U
7440-22-4	Silver	0.0050	0.0050	mg/L	U
7440-28-0	Thallium	0.0050	0.0050	mg/L	U
7440-66-6	Zinc	0.010	0.020	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Metals by Method SW846 6010/EPA 200.7

Sample: 0808029-10

Client Sample ID: MW-2

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0050	0.0050	mg/L	U
7440-38-2	Arsenic	0.0050	0.0050	mg/L	U
7440-39-3	Barium	0.0050	0.041	mg/L	
7440-41-7	Beryllium	0.0010	0.0010	mg/L	U
7440-43-9	Cadmium	0.0050	0.0050	mg/L	U
7440-47-3	Chromium	0.0050	0.026	mg/L	
7440-50-8	Copper	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.010	0.010	mg/L	U
7439-92-1	Lead	0.0050	0.0050	mg/L	U
7782-49-2	Selenium	0.010	0.010	mg/L	U
7440-22-4	Silver	0.0050	0.0050	mg/L	U
7440-28-0	Thallium	0.0050	0.0050	mg/L	U
7440-66-6	Zinc	0.010	0.030	mg/L	



# United Chemists

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NYS Lab ID # 11866

09/17/2008

## Mercury by SW846 7470/7471/EPA 245.1

### Sample: 0808029-1

Client Sample ID: MW-7  
Analyzed Date: 09/03/2008  
Matrix: Liquid  
Remarks: Analyzed by Ecotest

Collected: 08/21/2008 00:00

Type: Grab

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.00025	mg/L	U

### Sample: 0808029-2

Client Sample ID: MW-6  
Analyzed Date: 09/03/2008  
Matrix: Liquid  
Remarks: Analyzed by Ecotest

Collected: 08/21/2008 00:00

Type: Grab

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.00025	mg/L	U

### Sample: 0808029-3

Client Sample ID: MW-8  
Analyzed Date: 09/03/2008  
Matrix: Liquid  
Remarks: Analyzed by Ecotest

Collected: 08/21/2008 00:00

Type: Grab

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.00025	mg/L	U



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NYS Lab ID # 11866

09/17/2008

## Mercury by SW846 7470/7471/EPA 245.1

### Sample: 0808029-4

Client Sample ID: MW-9

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.00025	mg/L	U

### Sample: 0808029-5

Client Sample ID: MW-10

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.00025	mg/L	U

### Sample: 0808029-6

Client Sample ID: MW-10MS

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.0042	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Mercury by SW846 7470/7471/EPA 245.1

### Sample: 0808029-7

Client Sample ID: MW-10MSD

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.0043	mg/L	

### Sample: 0808029-8

Client Sample ID: MW-10D

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.00025	mg/L	U

### Sample: 0808029-9

Client Sample ID: MW-11

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.00025	mg/L	U



# United Chemists

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NYS Lab ID # 11866

09/17/2008

## Mercury by SW846 7470/7471/EPA 245.1

Sample: 0808029-10

Client Sample ID: MW-2

Collected: 08/21/2008 00:00

Analyzed Date: 09/03/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.00025	0.00025	mg/L	U



# United Chemists

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Phone - (516) 662-5038

NYS Lab ID # 11866

09/17/2008

## Hexavalent Chromium by SM 3500D

### Sample: 0808029-1

Client Sample ID: MW-7

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.18	mg/L	

### Sample: 0808029-2

Client Sample ID: MW-6

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.020	mg/L	U

### Sample: 0808029-3

Client Sample ID: MW-8

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.060	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Hexavalent Chromium by SM 3500D

### Sample: 0808029-4

Client Sample ID: MW-9

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.020	mg/L	U

### Sample: 0808029-5

Client Sample ID: MW-10

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.020	mg/L	U

### Sample: 0808029-6

Client Sample ID: MW-10MS

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.24	mg/L	



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NYS Lab ID # 11866

09/17/2008

## Hexavalent Chromium by SM 3500D

### Sample: 0808029-7

Client Sample ID: MW-10MSD

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.23	mg/L	

### Sample: 0808029-8

Client Sample ID: MW-10D

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.13	mg/L	

### Sample: 0808029-9

Client Sample ID: MW-11

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.020	mg/L	U



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NYS Lab ID # 11866

09/17/2008

## Hexavalent Chromium by SM 3500D

Sample: 0808029-10

Client Sample ID: MW-2

Collected: 08/21/2008 00:00

Analyzed Date: 08/21/2008

Matrix: Liquid

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
18540-29-9	Chromium +6	0.020	0.020	mg/L	U



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09/17/2008

## INORGANIC METHOD QUALIFIERS

*B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).*

*D - This flag indicates a system monitoring compound diluted out.*

*E - Reported value is estimated because of the presence of interferences.*

*U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.*

## ORGANIC METHOD QUALIFIERS

*B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.*

*E - The concentration of the analyte exceeded the calibration range of the instrument.*

*J - Indicates an estimated value. The concentration reported was detected below Practical Quantitation Limit and the Method Detection Limit (MDL).*

*U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.*

## OTHER QUALIFIERS

*ND - Not Detected*

*NA - Not Applicable*



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

Client: National Environmental Management Associates

Project: AMW Materials

Laboratory Identifier: 0808015  
Received: 08/08/2008

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*Respectfully submitted,*



*Laboratory Director*



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808015-1

Client Sample ID: DC-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/08/2008

Matrix: Soil

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.25	5.25	ug/kg	U
71-55-6	1,1,1-Trichloroethane	5.25	5.25	ug/kg	U
79-34-5	1,1,2,2-Tetrachloroethane	5.25	5.25	ug/kg	U
79-00-5	1,1,2-Trichloroethane	5.25	5.25	ug/kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.25	5.25	ug/kg	U
75-34-3	1,1-Dichloroethane	5.25	5.25	ug/kg	U
75-35-4	1,1-Dichloroethene	5.25	5.25	ug/kg	U
563-58-6	1,1-Dichloropropene	5.25	5.25	ug/kg	U
87-61-6	1,2,3-Trichlorobenzene	5.25	5.25	ug/kg	U
96-18-4	1,2,3-Trichloropropane	5.25	5.25	ug/kg	U
120-82-1	1,2,4-Trichlorobenzene	5.25	5.25	ug/kg	U
95-63-6	1,2,4-Trimethylbenzene	5.25	23.2	ug/kg	
106-93-4	1,2-Dibromoethane	5.25	5.25	ug/kg	U
95-50-1	1,2-Dichlorobenzene	5.25	5.25	ug/kg	U
107-06-2	1,2-Dichloroethane	5.25	5.25	ug/kg	U
78-87-5	1,2-Dichloropropane	5.25	5.25	ug/kg	U
108-67-8	1,3,5-Trimethylbenzene	5.25	9.03	ug/kg	
541-73-1	1,3-Dichlorobenzene	5.25	5.25	ug/kg	U
142-28-9	1,3-Dichloropropane	5.25	5.25	ug/kg	U
106-46-7	1,4-Dichlorobenzene	5.25	5.25	ug/kg	U
78-93-3	2-Butanone	5.25	5.25	ug/kg	U
95-49-8	2-Chlorotoluene	5.25	5.25	ug/kg	U
75-27-4	Bromodichloromethane	5.25	5.25	ug/kg	U
79-46-9	2-Nitropropane	5.25	5.25	ug/kg	U
106-43-4	4-Chlorotoluene	5.25	5.25	ug/kg	U
108-10-1	4-Methyl-2-pentanone	5.25	5.25	ug/kg	U
67-64-1	Acetone	26.3	26.3	ug/kg	U
107-13-1	Acrylonitrile	5.25	5.25	ug/kg	U
71-43-2	Benzene	5.25	5.25	ug/kg	U
107-05-1	Allyl chloride	5.25	5.25	ug/kg	U
108-86-1	Bromobenzene	5.25	5.25	ug/kg	U
74-97-5	Bromochloromethane	5.25	5.25	ug/kg	U
75-25-2	Bromoform	5.25	5.25	ug/kg	U
74-83-9	Bromomethane	5.25	5.25	ug/kg	U



# United Chemists

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Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808015-1

Client Sample ID: DC-1

Analyzed Date: 08/08/2008

Matrix: Soil

Type: Grab

Remarks:

Collected: 08/04/2008 00:00

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
75-15-0	Carbon disulfide	5.25	5.25	ug/kg	U
56-23-5	Carbon tetrachloride	5.25	5.25	ug/kg	U
108-90-7	Chlorobenzene	5.25	5.25	ug/kg	U
75-45-6	Chlorodifluoromethane	5.25	5.25	ug/kg	U
75-00-3	Chloroethane	5.25	5.25	ug/kg	U
67-66-3	Chloroform	5.25	5.25	ug/kg	U
74-87-3	Chloromethane	5.25	5.25	ug/kg	U
124-48-1	Dibromochloromethane	5.25	5.25	ug/kg	U
74-95-3	Dibromomethane	5.25	5.25	ug/kg	U
75-71-8	Dichlorodifluoromethane	5.25	5.25	ug/kg	U
126-99-8	Chloroprene	5.25	5.25	ug/kg	U
60-29-7	Diethyl ether	5.25	5.25	ug/kg	U
108-20-3	Diisopropylether	5.25	5.25	ug/kg	U
64-17-5	Ethanol	262	262	ug/kg	U
637-92-3	Ethyl tert-butyl ether	5.25	5.25	ug/kg	U
100-41-4	Ethylbenzene	5.25	5.25	ug/kg	U
87-68-3	Hexachlorobutadiene	5.25	5.25	ug/kg	U
98-82-8	Isopropylbenzene	5.25	5.25	ug/kg	U
1634-04-4	Methyl t-butyl ether	5.25	5.25	ug/kg	U
126-98-7	Methacrylonitrile	5.25	5.25	ug/kg	U
75-09-2	Methylene chloride	5.25	5.25	ug/kg	U
96-33-3	Methyl methacrylate	5.25	5.25	ug/kg	U
91-20-3	Naphthalene	5.25	5.25	ug/kg	U
100-42-5	Styrene	5.25	5.25	ug/kg	U
75-65-0	Tertiary butyl alcohol	10.5	10.5	ug/kg	U
127-18-4	Tetrachloroethylene	5.25	5.25	ug/kg	U
108-88-3	Toluene	5.25	5.25	ug/kg	U
79-01-6	Trichloroethene	5.25	5.25	ug/kg	U
75-69-4	Trichlorofluoromethane	5.25	5.25	ug/kg	U
75-01-4	Vinylchloride	5.25	5.25	ug/kg	U
108-05-4	Vinyl Acetate	5.25	5.25	ug/kg	U
156-59-2	cis-1,2-Dichloroethene	5.25	5.25	ug/kg	U
10061-01-5	cis-1,3-Dichloro-1-propene	5.25	5.25	ug/kg	U
108-38-3	m+p-Xylene	5.25	5.25	ug/kg	U



# United Chemists

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Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808015-1

Client Sample ID: DC-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/08/2008

Matrix: Soil

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
104-51-8	n-Butylbenzene	5.25	5.25	ug/kg	U
103-65-1	n-Propylbenzene	5.25	5.36	ug/kg	
95-47-6	o-Xylene	5.25	5.25	ug/kg	U
99-87-6	p-Isopropyltoluene	5.25	5.25	ug/kg	U
135-98-8	sec-Butylbenzene	5.25	5.25	ug/kg	U
98-06-6	tert-Butylbenzene	5.25	5.25	ug/kg	U
75-85-4	tert-amyl alcohol	5.25	5.25	ug/kg	U
994-05-8	tert-amyl methyl ether	5.25	5.25	ug/kg	U
156-60-5	trans-1,2-Dichloroethene	5.25	5.25	ug/kg	U

\* Results are reported on a dry weight basis



# United Chemists

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Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808015-2

Client Sample ID: SP-1

Analyzed Date: 08/08/2008

Matrix: Soil

Type: Grab

Remarks:

Collected: 08/04/2008 00:00

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.05	5.05	ug/kg	U
71-55-6	1,1,1-Trichloroethane	5.05	5.05	ug/kg	U
79-34-5	1,1,2,2-Tetrachloroethane	5.05	5.05	ug/kg	U
79-00-5	1,1,2-Trichloroethane	5.05	5.05	ug/kg	U
76-13-1	1,1,2-Trichlorotrifluoroethane	5.05	5.05	ug/kg	U
75-34-3	1,1-Dichloroethane	5.05	5.05	ug/kg	U
75-35-4	1,1-Dichloroethene	5.05	5.05	ug/kg	U
563-58-6	1,1-Dichloropropene	5.05	5.05	ug/kg	U
87-61-6	1,2,3-Trichlorobenzene	5.05	5.05	ug/kg	U
96-18-4	1,2,3-Trichloropropane	5.05	5.05	ug/kg	U
120-82-1	1,2,4-Trichlorobenzene	5.05	5.05	ug/kg	U
95-63-6	1,2,4-Trimethylbenzene	5.05	22.1	ug/kg	
106-93-4	1,2-Dibromoethane	5.05	5.05	ug/kg	U
95-50-1	1,2-Dichlorobenzene	5.05	5.05	ug/kg	U
107-06-2	1,2-Dichloroethane	5.05	5.05	ug/kg	U
78-87-5	1,2-Dichloropropane	5.05	5.05	ug/kg	U
108-67-8	1,3,5-Trimethylbenzene	5.05	5.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	5.05	5.05	ug/kg	U
142-28-9	1,3-Dichloropropane	5.05	5.05	ug/kg	U
106-46-7	1,4-Dichlorobenzene	5.05	5.05	ug/kg	U
78-93-3	2-Butanone	5.05	5.05	ug/kg	U
95-49-8	2-Chlorotoluene	5.05	5.05	ug/kg	U
75-27-4	Bromodichloromethane	5.05	5.05	ug/kg	U
79-46-9	2-Nitropropane	5.05	5.05	ug/kg	U
106-43-4	4-Chlorotoluene	5.05	5.05	ug/kg	U
108-10-1	4-Methyl-2-pentanone	5.05	5.05	ug/kg	U
67-64-1	Acetone	25.3	25.3	ug/kg	U
107-13-1	Acrylonitrile	5.05	5.05	ug/kg	U
71-43-2	Benzene	5.05	5.05	ug/kg	U
107-05-1	Allyl chloride	5.05	5.05	ug/kg	U
108-86-1	Bromobenzene	5.05	5.05	ug/kg	U
74-97-5	Bromochloromethane	5.05	5.05	ug/kg	U
75-25-2	Bromoform	5.05	5.05	ug/kg	U
74-83-9	Bromomethane	5.05	5.05	ug/kg	U



# United Chemists

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Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808015-2

Client Sample ID: SP-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/08/2008

Matrix: Soil

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
75-15-0	Carbon disulfide	5.05	5.05	ug/kg	U
56-23-5	Carbon tetrachloride	5.05	5.05	ug/kg	U
108-90-7	Chlorobenzene	5.05	5.05	ug/kg	U
75-45-6	Chlorodifluoromethane	5.05	5.05	ug/kg	U
75-00-3	Chloroethane	5.05	5.05	ug/kg	U
67-66-3	Chloroform	5.05	5.05	ug/kg	U
74-87-3	Chloromethane	5.05	5.05	ug/kg	U
124-48-1	Dibromochloromethane	5.05	5.05	ug/kg	U
74-95-3	Dibromomethane	5.05	5.05	ug/kg	U
75-71-8	Dichlorodifluoromethane	5.05	5.05	ug/kg	U
126-99-8	Chloroprene	5.05	5.05	ug/kg	U
60-29-7	Diethyl ether	5.05	5.05	ug/kg	U
108-20-3	Diisopropylether	5.05	5.05	ug/kg	U
64-17-5	Ethanol	252	252	ug/kg	U
637-92-3	Ethyl tert-butyl ether	5.05	5.05	ug/kg	U
100-41-4	Ethylbenzene	5.05	5.05	ug/kg	U
87-68-3	Hexachlorobutadiene	5.05	5.05	ug/kg	U
98-82-8	Isopropylbenzene	5.05	5.05	ug/kg	U
1634-04-4	Methyl t-butyl ether	5.05	5.05	ug/kg	U
126-98-7	Methacrylonitrile	5.05	5.05	ug/kg	U
75-09-2	Methylene chloride	5.05	5.05	ug/kg	U
96-33-3	Methyl methacrylate	5.05	5.05	ug/kg	U
91-20-3	Naphthalene	5.05	5.05	ug/kg	U
100-42-5	Styrene	5.05	5.05	ug/kg	U
75-65-0	Tertiary butyl alcohol	10.1	10.1	ug/kg	U
127-18-4	Tetrachloroethylene	5.05	5.05	ug/kg	U
108-88-3	Toluene	5.05	5.05	ug/kg	U
79-01-6	Trichloroethene	5.05	5.05	ug/kg	U
75-69-4	Trichlorofluoromethane	5.05	5.05	ug/kg	U
75-01-4	Vinylchloride	5.05	5.05	ug/kg	U
108-05-4	Vinyl Acetate	5.05	5.05	ug/kg	U
156-59-2	cis-1,2-Dichloroethene	5.05	5.05	ug/kg	U
10061-01-5	cis-1,3-Dichloro-1-propene	5.05	5.05	ug/kg	U
108-38-3	m+p-Xylene	5.05	5.05	ug/kg	U



# United Chemists

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Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## Volatile Compounds by EPA Method 8260B

Sample: 0808015-2

Client Sample ID: SP-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/08/2008

Matrix: Soil

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
104-51-8	n-Butylbenzene	5.05	5.05	ug/kg	U
103-65-1	n-Propylbenzene	5.05	5.25	ug/kg	
95-47-6	o-Xylene	5.05	5.05	ug/kg	U
99-87-6	p-Isopropyltoluene	5.05	5.05	ug/kg	U
135-98-8	sec-Butylbenzene	5.05	5.05	ug/kg	U
98-06-6	tert-Butylbenzene	5.05	5.05	ug/kg	U
75-85-4	tert-amyl alcohol	5.05	5.05	ug/kg	U
994-05-8	tert-amyl methyl ether	5.05	5.05	ug/kg	U
156-60-5	trans-1,2-Dichloroethene	5.05	5.05	ug/kg	U

\* Results are reported on a dry weight basis



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## PCB Aroclors by SW846 8082/EPA 608

Sample: 0808015-1

Client Sample ID: DC-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/12/2008

Matrix: Soil

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
12674-11-2	PCB 1016	34.7	34.7	ug/kg	U
11104-28-2	PCB 1221	34.7	34.7	ug/kg	U
11141-16-5	PCB 1232	34.7	34.7	ug/kg	U
53469-21-9	PCB 1242	34.7	34.7	ug/kg	U
12672-29-6	PCB 1248	34.7	34.7	ug/kg	U
11097-69-1	PCB 1254	34.7	34.7	ug/kg	U
11096-82-5	PCB 1260	34.7	34.7	ug/kg	U

\* Results are reported on a dry weight basis

Sample: 0808015-2

Client Sample ID: SP-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/12/2008

Matrix: Soil

Type: Grab

Remarks:

### Analytical Results

Cas No	Analyte	MDL	Concentration*	Units	Q
12674-11-2	PCB 1016	33.3	33.3	ug/kg	U
11104-28-2	PCB 1221	33.3	33.3	ug/kg	U
11141-16-5	PCB 1232	33.3	33.3	ug/kg	U
53469-21-9	PCB 1242	33.3	33.3	ug/kg	U
12672-29-6	PCB 1248	33.3	33.3	ug/kg	U
11097-69-1	PCB 1254	33.3	33.3	ug/kg	U
11096-82-5	PCB 1260	33.3	33.3	ug/kg	U

\* Results are reported on a dry weight basis



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## TCLP-Metals - SW846 1311/6010

Sample: 0808015-1

Client Sample ID: DC-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/18/2008

Matrix: Soil

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-38-2	Arsenic	0.10	0.10	mg/L	U
7440-39-3	Barium	0.050	0.33	mg/L	
7440-43-9	Cadmium	0.050	0.050	mg/L	U
7440-47-3	Chromium	0.050	0.050	mg/L	U
7439-92-1	Lead	0.050	0.050	mg/L	U
7440-41-7	Beryllium	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.10	0.10	mg/L	U
7782-49-2	Selenium	0.10	0.10	mg/L	U
7440-22-4	Silver	0.050	0.050	mg/L	U

Sample: 0808015-2

Client Sample ID: SP-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/18/2008

Matrix: Soil

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-38-2	Arsenic	0.10	0.10	mg/L	U
7440-39-3	Barium	0.050	0.35	mg/L	
7440-43-9	Cadmium	0.050	0.050	mg/L	U
7440-47-3	Chromium	0.050	0.050	mg/L	U
7439-92-1	Lead	0.050	1.70	mg/L	
7440-41-7	Beryllium	0.010	0.010	mg/L	U
7440-02-0	Nickel	0.10	0.10	mg/L	U
7782-49-2	Selenium	0.10	0.10	mg/L	U
7440-22-4	Silver	0.050	0.050	mg/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

## TCLP Mercury-Method SW846 1311/7470/7471

### Sample: 0808015-1

Client Sample ID: DC-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/18/2008

Matrix: Soil

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.0010	0.0010	mg/L	U

### Sample: 0808015-2

Client Sample ID: SP-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/18/2008

Matrix: Soil

Type: Grab

Remarks: Analyzed by Ecotest

### Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.0010	0.0010	mg/L	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

NYS Lab ID # 11866

08/22/2008

Reactivity -SW 846 9010

Sample: 0808015-1

Client Sample ID: DC-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/09/2008

Matrix: Soil

Type: Grab

Remarks: Analyzed by Ecotest

## Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Reactivity (Cyanide)	2.10	2.10	mg/Kg	U
	Reactivity (Sulfate)	2.10	2.10	mg/Kg	U

Sample: 0808015-2

Client Sample ID: SP-1

Collected: 08/04/2008 00:00

Analyzed Date: 08/09/2008

Matrix: Soil

Type: Grab

Remarks: Analyzed by Ecotest

## Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Reactivity (Cyanide)	2.00	2.00	mg/Kg	U
	Reactivity (Sulfate)	2.00	2.00	mg/Kg	U



# United Chemists

59-8 Central Avenue, Farmingdale, NY 11735  
Phone - (516) 662-5038

08/22/2008

## INORGANIC METHOD QUALIFIERS

- B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).*
- D - This flag indicates a system monitoring compound diluted out.*
- E - Reported value is estimated because of the presence of interferences.*
- U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.*

## ORGANIC METHOD QUALIFIERS

- B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.*
- E - The concentration of the analyte exceeded the calibration range of the instrument.*
- J - Indicates an estimated value. The concentration reported was detected below Practical Quantitation Limit and the Method Detection Limit (MDL).*
- U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.*

## OTHER QUALIFIERS

- ND - Not Detected*
- NA - Not Applicable*

**APPENDIX 5**  
**Waste Disposal Manifest**

(215) 736-9400

(215) 736-0195 Laboratory

NON-HAZARDOUS WASTE MANIFEST

1. Generator of Waste (must be filled in by producer) EPA I.D. No. NYD987023371

Company Name: (Print or Type) AB oil SERVICE Llc.

Pick-up Address 1599 OCEAN Ave. Belleria N.Y.  
(No.) \_\_\_\_\_ (Street) \_\_\_\_\_ (City) \_\_\_\_\_ (State) \_\_\_\_\_

Telephone Number: 631-567-6545 SIC No. \_\_\_\_\_

Waste Stream Identification: This manifest represents a non-hazardous waste as per E.P.A. and PA D.E.R. regulations.

Tons: \_\_\_\_\_ Cubic Yards: 15 Other (Specify): \_\_\_\_\_

Name of Waste Contaminated Soil & Debris

Special Handling Instructions, if any: NBC 52934

PROFILE/WASTE STREAM I.D. NUMBER: 476504

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to applicable state and federal law. The wastes were consigned to the transporter named. I certify that the foregoing is true and correct to the best of my knowledge.

Date: \_\_\_\_\_

Signature: J. P. B. as an agent AB  
(Name and Title)

2. Hauler of Waste (must be filled-in by hauler) EPA I.D. No. 1A-825

COMPANY NAME: MMC

ADDRESS: Medford N.Y.

Pick-up Date: 2006-11-1 Truck No. 1 Vehicle Lic. No. 34-111

The above described waste was picked up and hauled by me to the disposal facility named below and was accepted. I certify under penalty of perjury that the foregoing is true and correct.

Signature of authorized agent and title: J. P. B.

3. Disposer of Waste (must be filled-in by disposer) CIRCLE ONE:

G.R.O.W.S., Inc.  
1513 Bordentown Road  
Morrisville, PA 19067  
Permit # 100148

T.R.R.F.  
200 Bordentown Road  
Tullytown, PA 19007  
Permit # 101494

ALLIANCE LANDFILL  
398 South Keyser Ave.  
Taylor, PA 18517  
Permit # 100933

Waste subject to this manifest was delivered by the above hauler to this disposal facility and accepted on 2006-11-1 (DISPOSAL DATE)

Signature of authorized agent and title: J. P. B.



TRRF Landfill  
1000 New Ford Mill Road  
Morrisville, PA, 19067

Original  
Ticket# 975547

Ph: 215-736-1700

THE PERSON MOST RESPONSIBLE FOR YOUR SAFETY IS YOU!

Customer: ABCOilServ AB Oil Service LTD  
99 Ocean Ave  
Bronx, NY, 11716

Carrier: HMC

b Date	02/13/2009	Vehicle#	9573	Volume
y Type	Credit Account	Chk#		Trailer#
liling#	0001324			License#
c Tons	12.02			Driver
n Tkt#				Haul Tkt#
s				Dest: T2

Generator	132-03 OIL SERVICE AB Oil Service	Profile#	476504 (T-388 OILY SOIL & DERRIS)
PA ID	*	Waste #	503
Manifest	033859	Origin & County	NY/NEW YORK (State of), NY
Bill#		Origin Name	NEW YORK

Leave/Time	Scale	Operator	Operation	Type	Inbound
02/13/2009 08:03	TRRF LAB INR MA Lic. # 067342			Tibound	Gross 57000 lb
02/13/2009 09:06	TRRF 4 CUTBOU LR Lic 065358			Tare	33640 lb
				Net	24340 lb
				Tons	12.02

Comments:

Product	L.D%	Qty	Unit	Rate	Tax	Amount	Origin
Special Misc-Tons	100	12.02	Tons				NY
FUEL-Fuel Surcharg	100		%				NY
FOL-Env Fee Lg.	- 100	1	Load				NY

Total Tax  
Total Ticket

ighmaster: \_\_\_\_\_ Driver: \_\_\_\_\_



**Non-Hazardous Manifest**

Manifest Doc No. 55289

**Generator**

Generator ID: 18164  
NYSDEC SITE NO. 152189  
AMW MATERIALS TESTING  
AMITYVILLE, NY 11701

**Transporter**

ABLE ENVIRONMENTAL SERVICE  
6315676545  
NYR000002582  
1A-392

**Facility**

A B OIL SERVICE LTD.  
1599 Ocean Avenue  
Bohemia, NY 11716  
6315676545  
NYD987023371

Shipping Name and Description  
ON HAZARDOUS SOLIDS

NumCont	ContType	Quantity	Units	Profile ID
10	DM	4000	P	NONHAZ S

Pesticides Imported Soil

S 01

**Additional Descriptions for Materials Listed Above****Handling Codes Listed Above**

NYS DEC  
AMW MATERIALS TESTING SITE NO. 152189

**Special Handling Instructions and Additional Information**

24 Hour Emergency # (631) 567 - 6545  
ERG# 128

**Generator's Certification:**

I certify the materials described above are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed / Typed Name

Rob Chester

Signature

XR.Chester

Date 3/1/09

**Transporter 1 Acknowledgement of Receipt of Materials**

Printed / Typed Name

Milo Lang

Signature

Milo Lang

Date 3/1/09

**Transporter 2 Acknowledgement of Receipt of Materials**

Printed / Typed Name

Signature

Date

**Discrepancy Indication Space**

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted above.

Printed / Typed Name

MARKETH JEFFERSON

Signature

Marketh Jefferson

Date 3/1/09

White = Original

Yellow = Transporter

Pink = TSDF

Gold = Generator Copy