

September 10, 2009

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REGION 8

**Environmental
Construction
Operations &
Remediation**

ECOR Solutions, Inc.
3191 Copper Oaks Pl.
Woodbury, MN 55125
(651) 735-6431
(612) 382-3763 (mobile)

Bartholomew H. Putzig, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, New York 14414-9519



**Subject: Former Monarch Chemicals Facility
61 Gates Avenue - Geneva, New York
VCP No. V00119-8
Project Status Report – September 2009**

Dear Mr. Putzig:

ECOR Solutions Inc (ECOR), on behalf of HB Fuller Company (HB Fuller), is pleased to submit the following project status report (PSR) for September 2009, related to activities conducted at the Former Monarch Chemicals Facility located at 61 Gates Avenue, Geneva, New York. This report is prepared pursuant to the Voluntary Cleanup Agreement (VCA) between HB Fuller and the New York State Department of Environmental Conservation (NYSDEC), VCP No. V00119-8.

Actions Taken During the Reporting Period

- Evaluating data generated from the 3rd Quarter 2009 groundwater sampling event, completed August 3 – 4, 2009. This sampling included monitoring wells for volatile organic compounds (VOCs) and total organic carbon (TOC).

Actions Anticipated for the Next Reporting Period

- Continued analysis of the groundwater monitoring data and progress of the NYSDEC approved Interim Remedial Measure (IRM).

Activity Modifications (Changes in Work Scope and/or Schedule)

None.

Results of Sampling Activities and Other Data Received

The analytical data from the 3rd Quarter 2009 groundwater sampling event were received. This sampling occurred August 3-4, 2009. The general trend in volatile organic compounds (VOCs) in groundwater after the October 2008 injection have been decreasing, particularly in the parent chlorinated VOCs – tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1-trichloroethane

(111TCA), while breakdown products have shown an increase, particularly cis-1,2-dichloroethene (cDCE), 1,1-dichloroethane (11DCA), 1,1-dichloroethene (11DCE), and vinyl chloride (VC). This data is summarized in the table below.

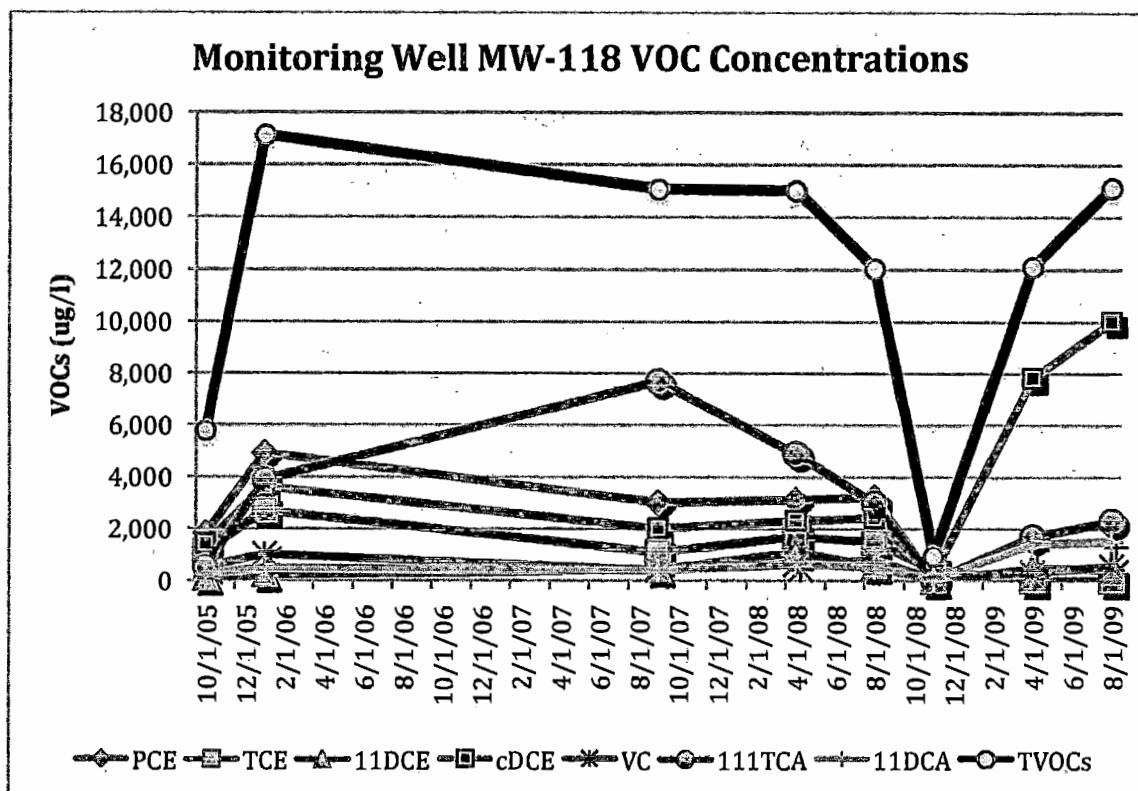
Summary Table of August-09 Groundwater VOC Sampling

		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	1,1,1-Trichloroethane	1,1-Dichloroethane
SITE	DATE	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
DEC-Standard		5	5	5	5	2	5	5
MW-114	8/4/09	23	57	2.6	17	2.4	11	4
MW-115	8/3/09	33	9.5	7.7	13	3.7	22	33
MW-116	8/4/09	< 1	0.53	< 1	1.9	0.75	< 1	3.6
MW-117	8/4/09	2.1	< 1	< 1	6.9	< 1	< 1	< 1
MW-118	8/4/09	< 10	< 10	460	10,000	550	2,300	1,500
MW-119	8/4/09	< 1	1.1	< 1	12	30	3.7	45
MW-120	8/4/09	7.4	16	0.92	40	8.7	19	25
MW-121	8/3/09	13	8.7	0.37	18	7.1	5.4	12
MW-122	8/3/09	< 10	30	9.1	590	360	47	93
MW-123	8/3/09	0.72	< 1	1.2	0.54	< 1	0.27	4.1
MW-124s	8/4/09	< 1	0.51	< 1	1.3	1.4	< 1	4.5
MW-124d	8/4/09	< 5	17	17	720	510	8.4	470

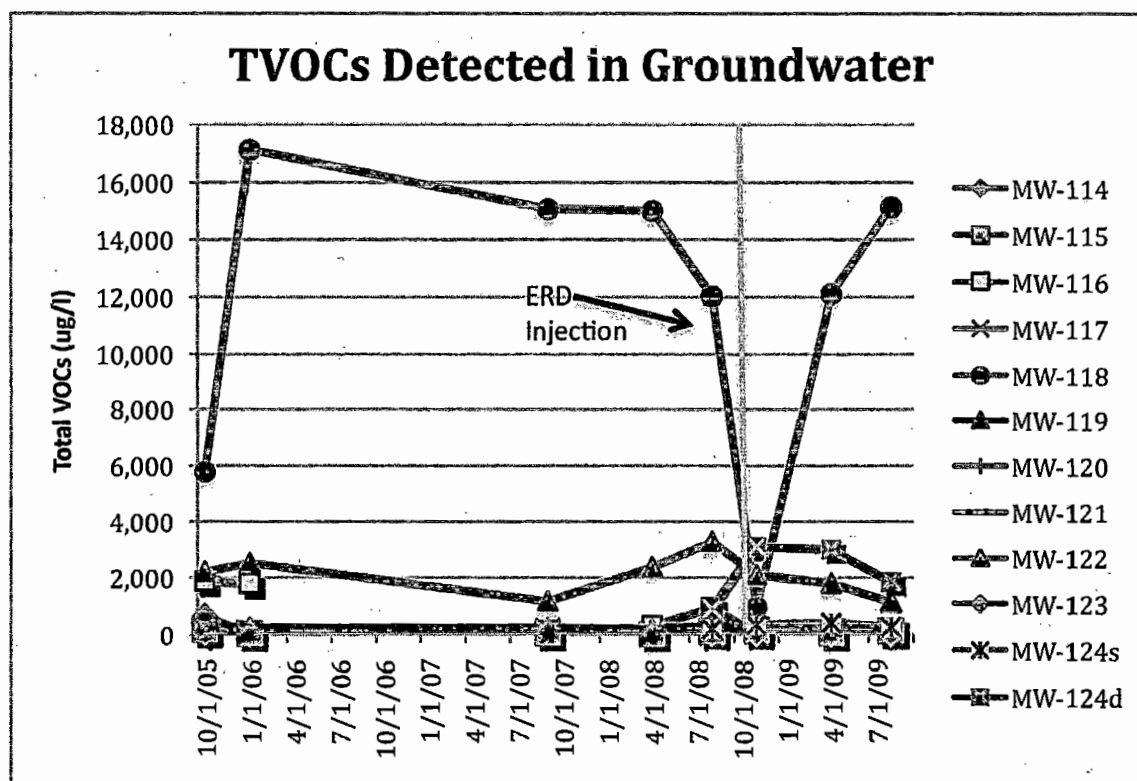
DEC-GW-STD = NYSDEC groundwater standard, in ug/l
Analytes in bold exceed DEC-GW-STD

The post-injection groundwater monitoring indicates total VOC concentrations at MW-114 have decreased by more than 16% since the baseline pre-IRM sampling conducted in August 2008, concentrations at well MW-115 have increased by approximately 5%, concentrations at well MW-116 have decreased by more than 5,000%, concentrations at well MW-117 have increased by approximately 72%, concentrations at well MW-118 have increased by 20%, concentrations at well MW-119 have decreased by more than 194%, concentrations at well MW-120 have increased by approximately 13%, concentrations at well MW-121 have increased by approximately 31%, concentrations at well MW-122 have decreased by more than 188%, concentrations at well MW-123 have decreased by more than 238%, concentrations at well MW-124s have increased by approximately 25%, and concentrations at well MW-124d have increased by approximately 52%.

As shown on the accompanying chart below, the MW-118 VOC concentrations post-injection are lower than prior to the implementation of the IRM. This is an indication that ERD was proceeding, albeit slowly, prior to the injection program, as well as this data directly supports no NAPL mass dissolving and liberating VOCs into the groundwater environment. The degradation VOCs in groundwater at MW-118, and downgradient, are a direct by-product of the ERD process from both the unsaturated and saturated zone. Specifically, the trend of VOCs in groundwater is progressing as expected in each of the monitoring wells mentioned above.



The chart below demonstrates the total VOC trend site-wide.



VOC concentrations of PCE and TCE in the primary source area at MW-118 continue to decline, as expected, and is noted in the chart and table above the principle chlorinated VOCs in groundwater

at this location is cDCE. An example of this reduction in the primary chlorinated compounds in the source area at MW-118 is highlighted in the table below.

Summary Table of Primary Chlorinated VOCs at MW-118

	Date	PCE (ug/l)	TCE (ug/l)	111TCA (ug/l)
MW-118	10/18/05	1,800	1,100	530
MW-118	1/12/06	4,900	2,700	3,900
MW-118	9/26/07	3,000	1,100	7,700
MW-118	4/9/08	3,100	1,700	4,900
MW-118	8/4/08	3,200	1,500	3,000
MW-118	11/18/08	8.4	450	24
MW-118	4/29/09	< 10	11	1,700
MW-118	8/4/09	< 10	< 10	2,300

←injection

A summary chart of the potentiometric levels, and a series of maps presenting the VOC concentrations and monitoring parameters for enhanced reductive dechlorination (ERD) in groundwater are included in Attachment 1 of this PSR. The August 2009 analytical report is included as Attachment 2, which indicates that monitoring well MW-123 did not exceed any VOCs above the NYSDEC groundwater standards. Although the IRM has been monitored by three (3) post-injection sampling events, the trend analysis is positive for continued ERD. Also noted in Attachment 1, the total organic carbon levels remain adequate.

Surface water samples were collected during August 2009, from the historical monitoring locations of the adjacent drainage ditch at SW-1, SW-2, and SW-3. This data is summarized in the table below.

Summary Table of August-09 Surface Water VOC Sampling

		Tetrachloroethene	Trichloroethene	1,1-Dichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	1,1,1-Trichloroethane	1,1-Dichloroethane
DATE		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
SW-1	8/4/09	< 1	< 1	< 1	< 1	< 1	< 1	< 1
SW-2	8/4/09	< 1	J 0.65	J 0.49	8.8	3.0	J 0.86	5.7
SW-3	8/4/09	< 1	< 1	< 1	4.2	0.40	J 0.39	3.7

J = Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

Agency Communications

There were no agency communications during the reporting period.

IRM Status

No changes to the IRM occurred during the reporting period.

Remedial Investigation Status

No changes to the RI activities occurred during the reporting period.

Percent Completion Estimate

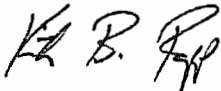
- The revised IRM Workplan has been implemented. Monitoring the IRM progress has begun and the August 2009, groundwater sampling event was the 3rd post-injection sampling. The 4th post-injection sampling is scheduled for December 2009.

Unresolved Delays and Mitigative Efforts

- There were no Unresolved Delays or additional Mitigative Efforts during the reporting period.

ECOR believes this report fulfills the reporting requirements for the VCA. If you have any questions please feel free to contact me at (651) 735-6431.

Sincerely,



Keith B. Rapp
ECOR SOLUTIONS
Project Manager

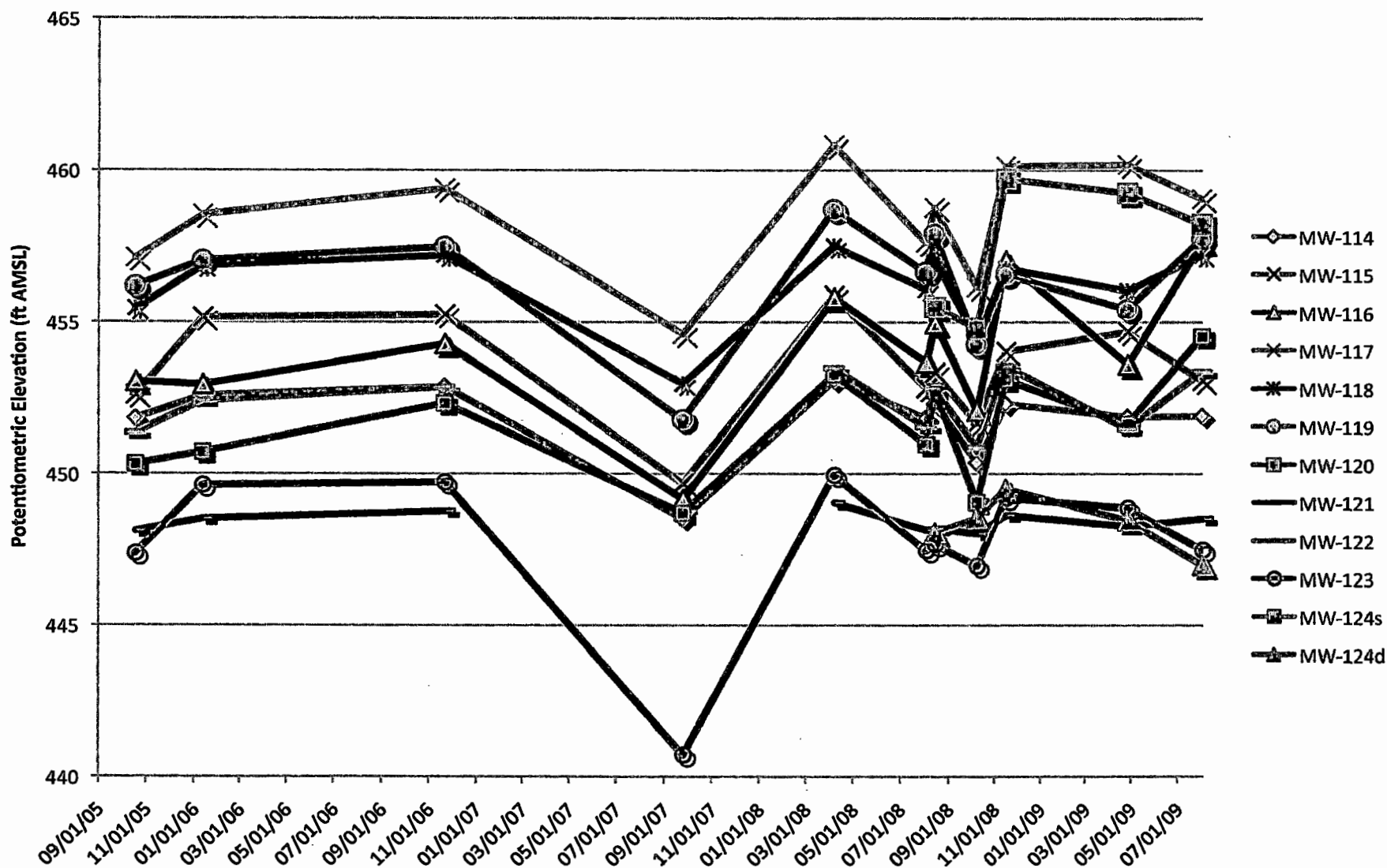
Enclosure – Attachment 1

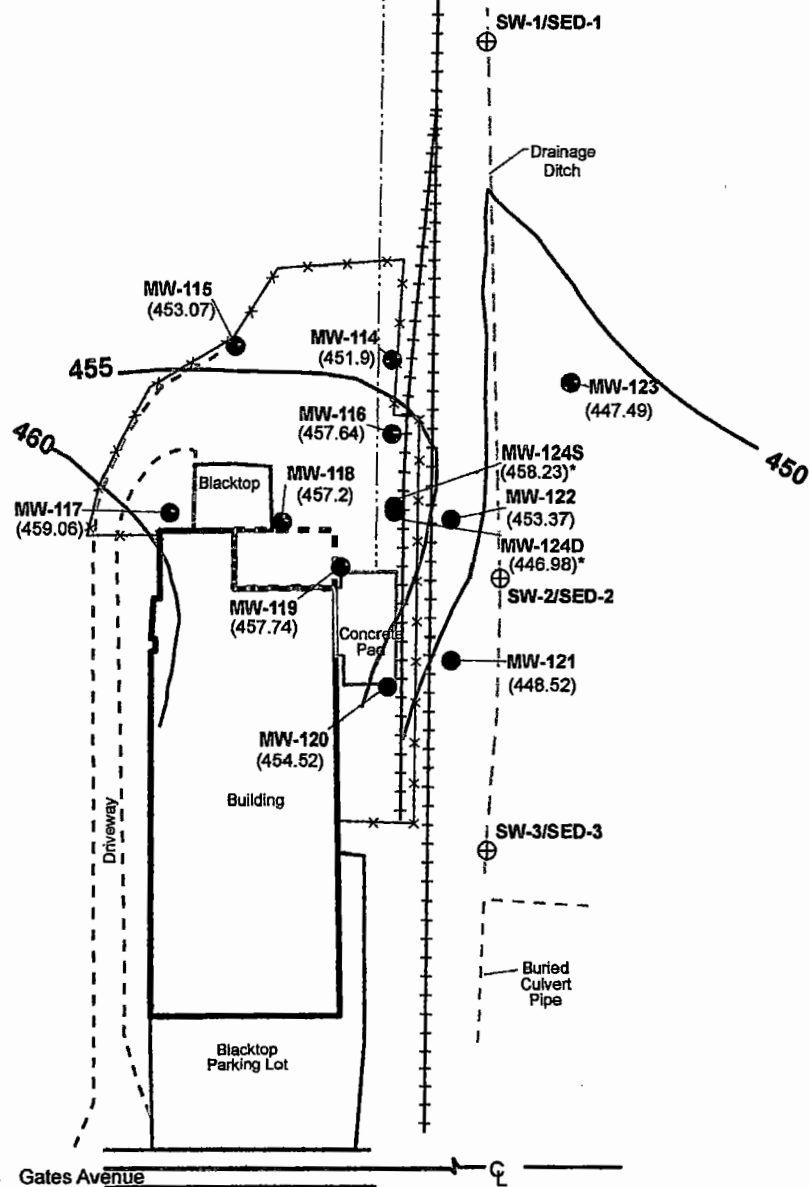
Site-Wide Potentiometric Map
Potentiometric Elevation Contour Map – August 2009
Total Organic Carbon Concentrations in Groundwater – August 2009
ORP Measurements – August 2009
Total VOCs Detected in Groundwater – August 2009
11DCE Concentrations Detected in Groundwater – August 2009
cDCE Concentrations Detected in Groundwater – August 2009
cDCE Concentrations and TOC Concentrations in Groundwater – August 2009
111TCA Conc. Detected in Groundwater – August 2009, Cross Section A-A'
Attachment 2
August 2009 Analytical Laboratory Report

cc: Kristin Colberg	- HB Fuller
Gary Litwin	- NYSDOH/Troy
Debbie McNaughton	- NYSDOH/Rochester
James Craft	- NYSDEC/Avon
Joseph Hausbeck	- NYSDEC/Buffalo
Jennifer Good	- ECOR/West Chester
William Anthony	- ECOR/Joplin

Attachment 1
Potentiometric Map and ERD Progress Monitoring

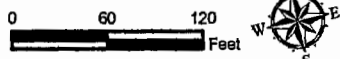
Former Monarch Chemicals Facility Potentiometric Elevation Data





Legend

- Monitoring Well Location
- ⊕ Surface Water and Sediment Sampling Location
- ×-×-× Fence
- + + + + Railroad
- - - - AST Containment Area
- - - - PVC Drain Pipe
- 455 Contour of Water Level (448.87) August 3, 2009 Groundwater Level (FT AMSL)
- * Water level not used in contouring



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West Chester, PA 19380

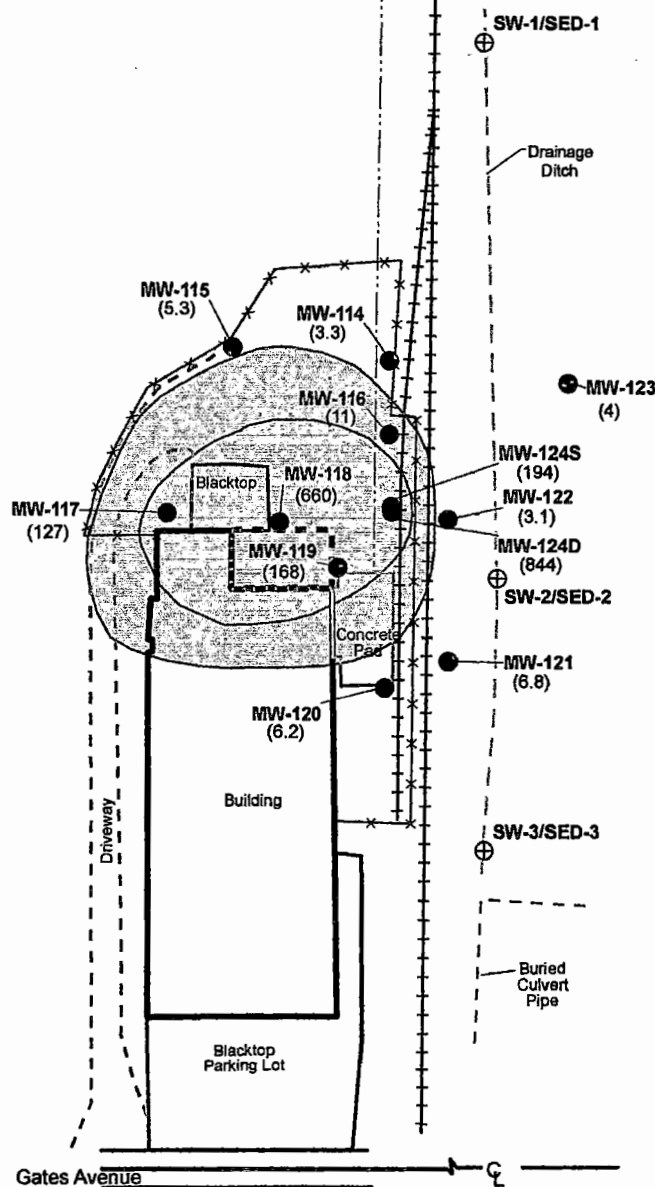
pointmap
INCORPORATED

File:
ECORIGeneva
0809-FigB-AugGW.mxd

Date:
08/26/2009

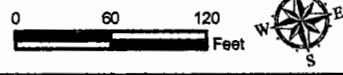
Figure B
Potentiometric Elevation Contour Map
August 2009

Former Monarch Chemicals Facility
61 Gates Avenue
Geneva, New York



Legend

- Monitoring Well Location
- ⊕ Surface Water and Sediment Sampling Location
- x-x-x-x Fence
- ++++ Railroad
- - - - AST Containment Area
- PVC Drain Pipe
- TOC Concentration in Groundwater**
- 10 - 100 mg/l
- 100 + mg/l
- (6.2) TOC Concentration in Groundwater - August 2009



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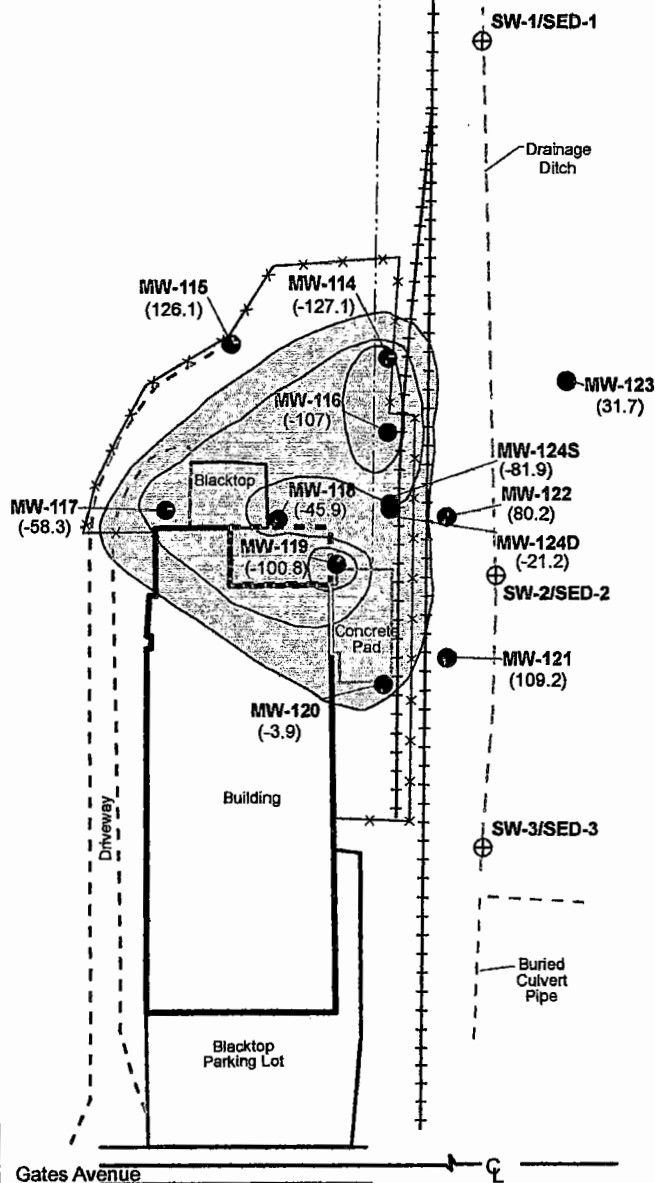
pointmap
incorporated

File:
ECOR\Geneva
0809-FigD-Aug-TOC.mxd

Date:
08/27/2009

Figure D
Total Organic Carbon Concentration
in Groundwater
August 2009

Former Monarch Chemicals Facility
61 Gates Avenue
Geneva, New York

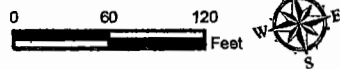


Legend

- Monitoring Well Location
- ⊕ Surface Water and Sediment Sampling Location
- × × × × Fence
- ++++ Railroad
- AST Containment Area
- PVC Drain Pipe

ORP Measurements

- 0 - -50 mV
- -50 - -100 mV
- -100 + mV
- (-3) ORP Measurements- August 2009



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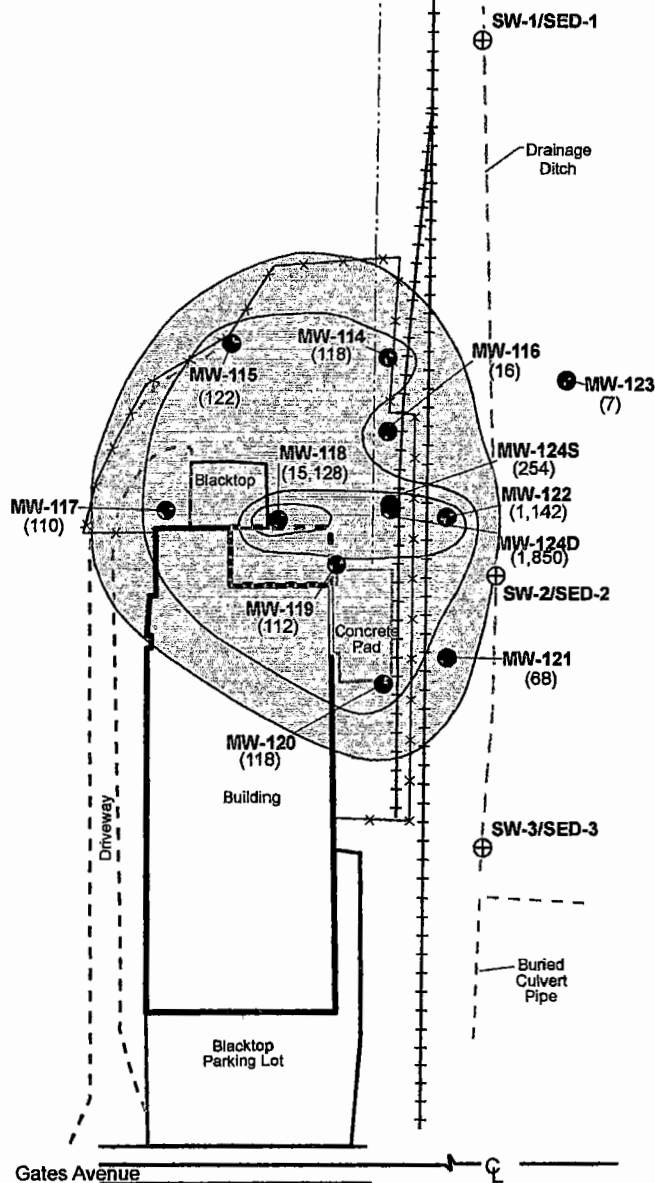
pointmap
INCORPORATED

File:
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Date:
08/27/2009

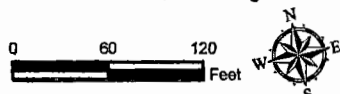
Figure F
Oxidation Reduction Potential
Measurements
August 2009

Former Monarch Chemicals Facility
61 Gates Avenue
Geneva, New York



Legend

- Monitoring Well Location
- ⊕ Surface Water and Sediment Sampling Location
- x-x-x-x Fence
- + + + + Railroad
- - - - AST Containment Area
- PVC Drain Pipe
- TVOCs Detected in Groundwater**
- 10 - 100 ug/l
- 100 - 1,000 ug/l
- 1,000 - 10,000 ug/l
- 10,000 + ug/l
- (118) Total VOCs Detected in Groundwater - August 2009



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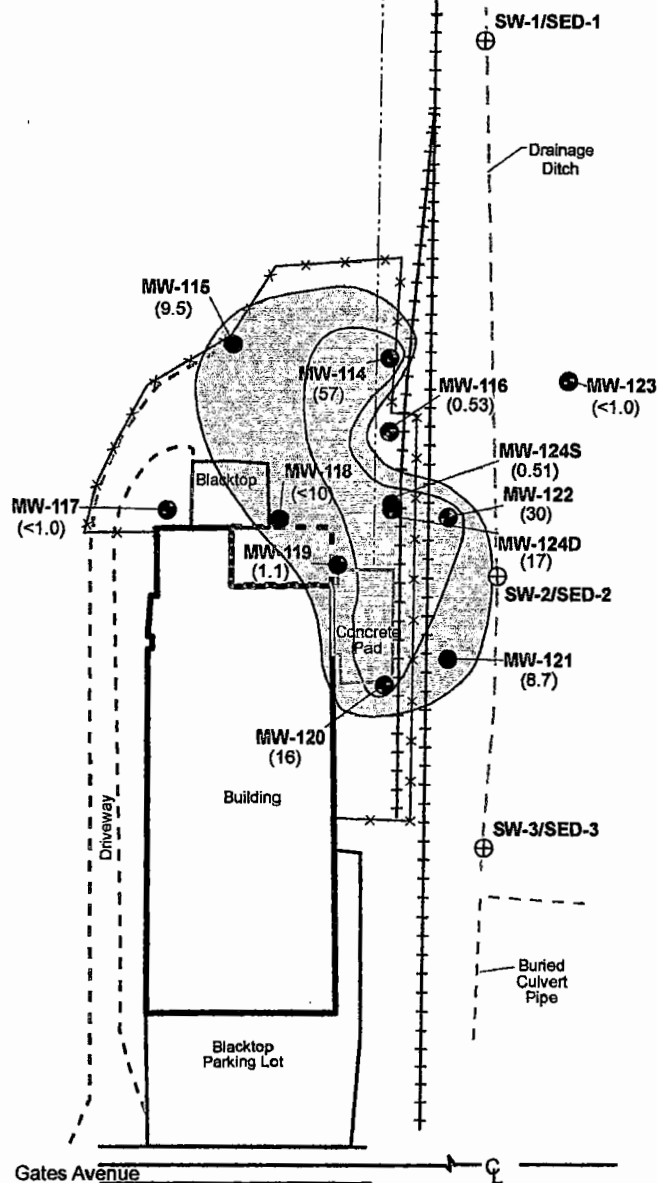
pointmap
INCORPORATED

File:
ECOR\Geneva
0809-FigJ-Aug-TVOC.mxd

Date:
08/27/2009

Figure J
Total Volatile Organic Compounds
Detected in Groundwater
August 2009

Former Monarch Chemicals Facility
61 Gates Avenue
Geneva, New York



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West Chester, PA 19380

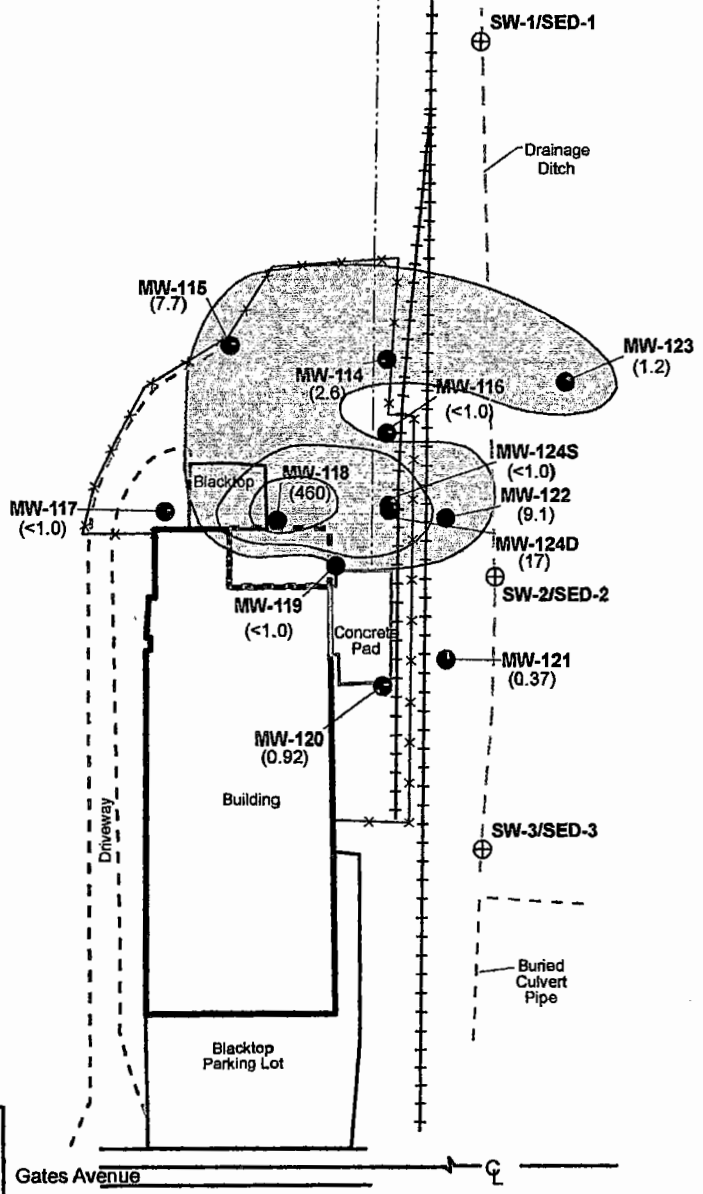
pointmap
INCORPORATED

File:
ECOR\Geneva
0809-FigK-Aug-TCE.mxd

Date:
08/27/2009

Figure K
Trichloroethene Concentration
in Groundwater
August 2009

Former Monarch Chemicals Facility
61 Gates Avenue
Geneva, New York



Legend

- Monitoring Well Location
- ⊕ Surface Water and Sediment Sampling Location
- x—x— Fence
- ++++ Railroad
- AST Containment Area
- PVC Drain Pipe

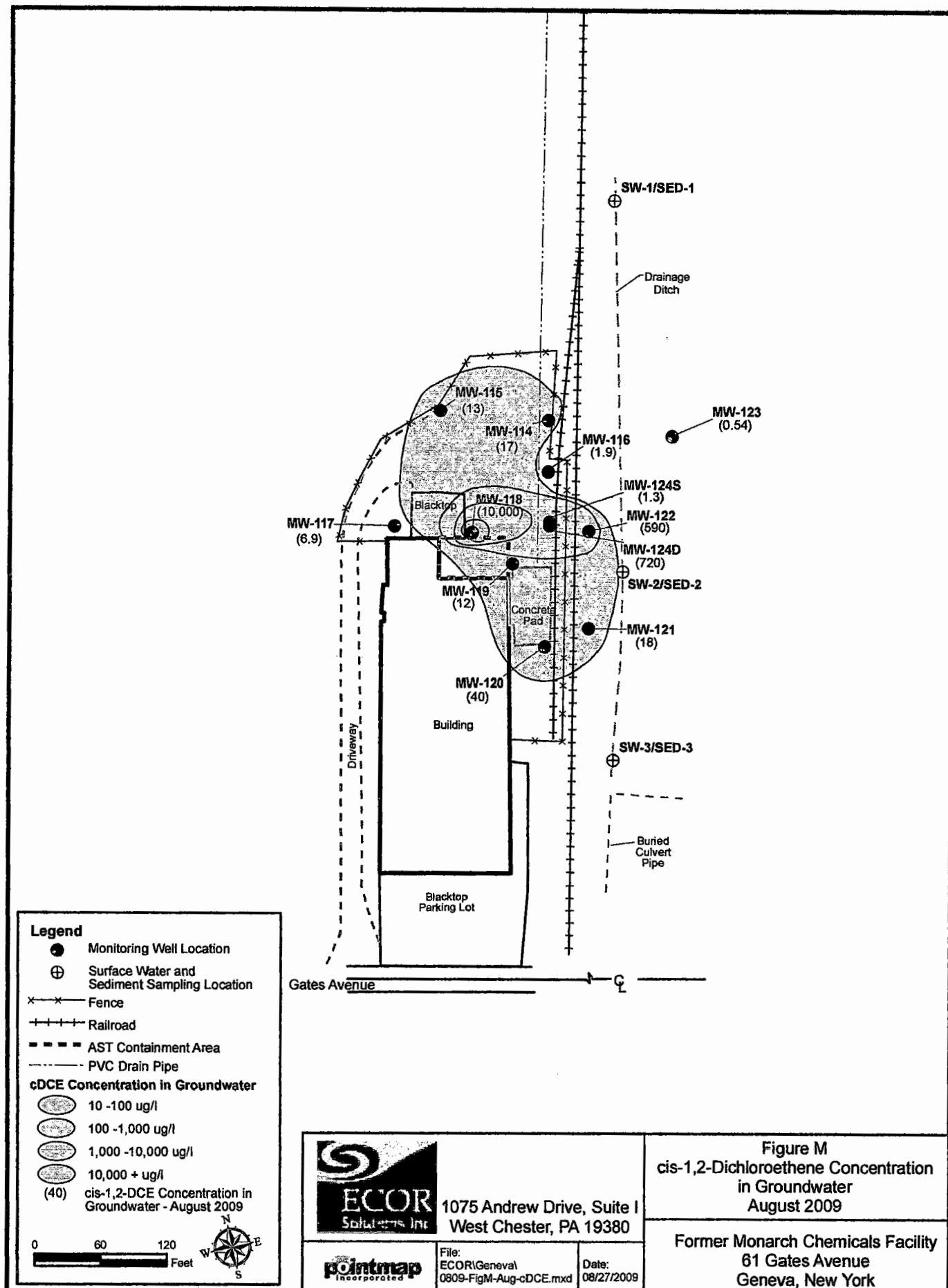
1,1-DCE Concentration in Groundwater

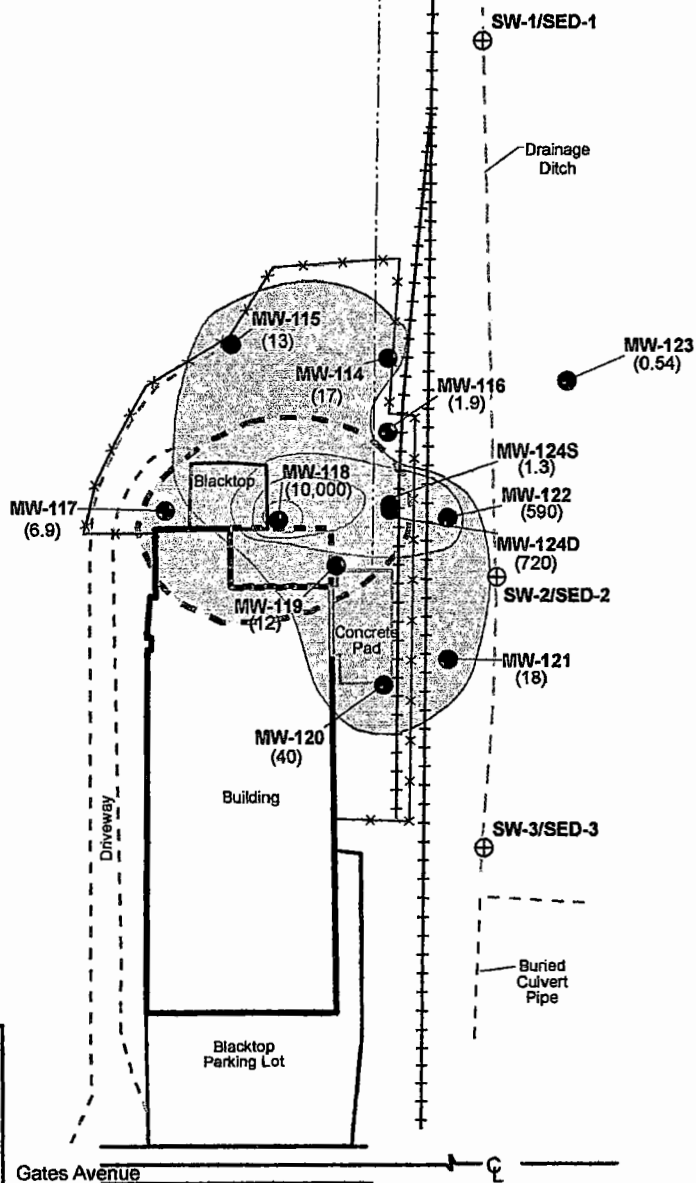
- 1 - 10 ug/l
- 10 - 100 ug/l
- 100 + ug/l

(0.92) 1,1-DCE Concentration in Groundwater - August 2009

0 60 120 Feet

	1075 Andrew Drive, Suite I West Chester, PA 19380		Figure L 1,1-Dichloroethene Concentration in Groundwater August 2009 Former Monarch Chemicals Facility 61 Gates Avenue Geneva, New York
	File: ECOR\Geneva\0809-FigL-Aug-11DCE.mxd	Date: 08/27/2009	



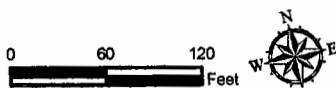


Legend

- Monitoring Well Location
- ⊕ Surface Water and Sediment Sampling Location
- × × × Fence
- + + + + Railroad
- - - - AST Containment Area
- - - - PVC Drain Pipe

cDCE Concentration in Groundwater

- 10 -100 ug/l
- 100 -1,000 ug/l
- 1,000 -10,000 ug/l
- 10,000 + ug/l
- (40) cis-1,2-DCE Concentration in Groundwater - August 2009
- TOC Concentration - August 2009



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West Chester, PA 19380

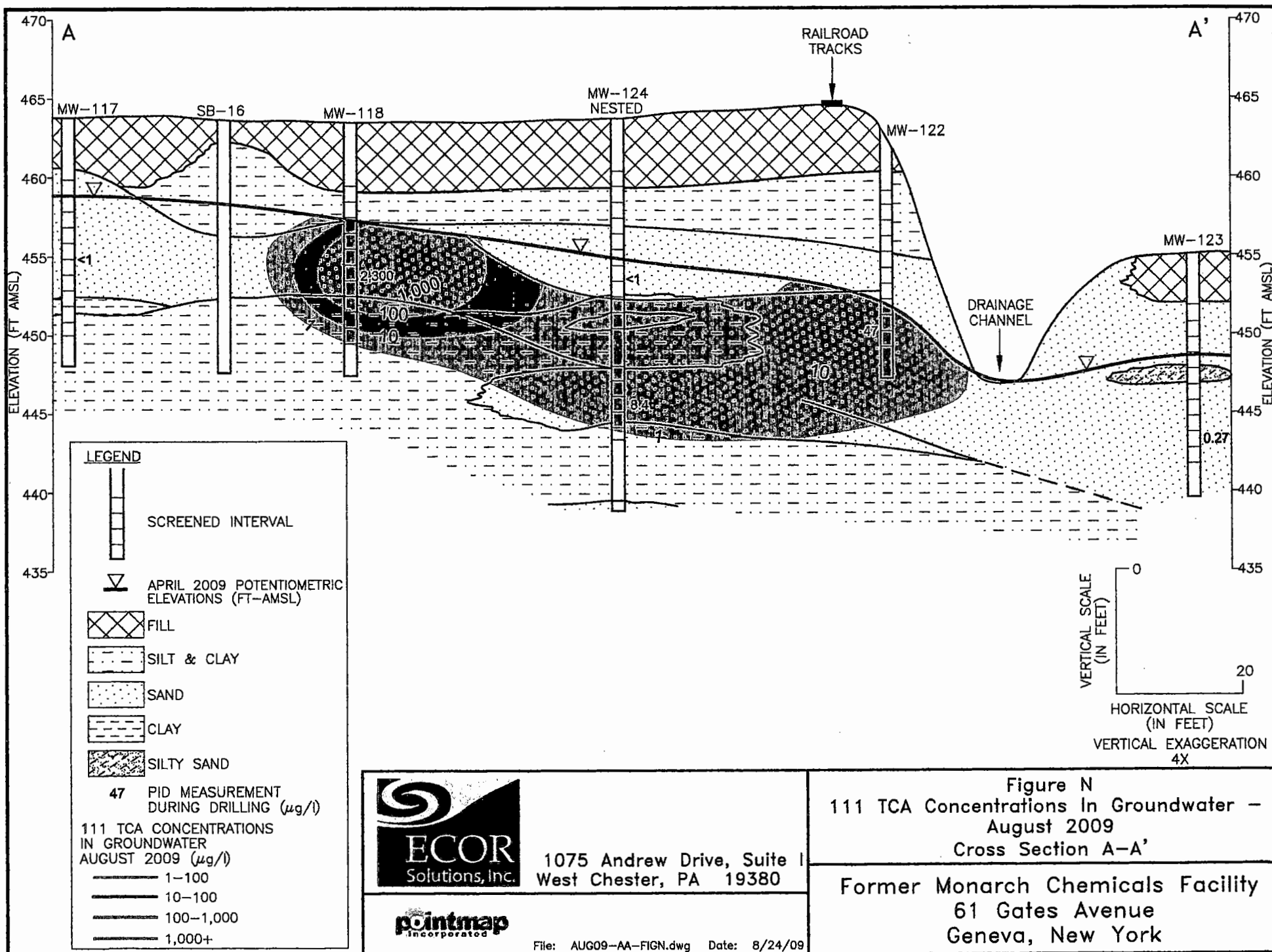
pointmap
Incorporated

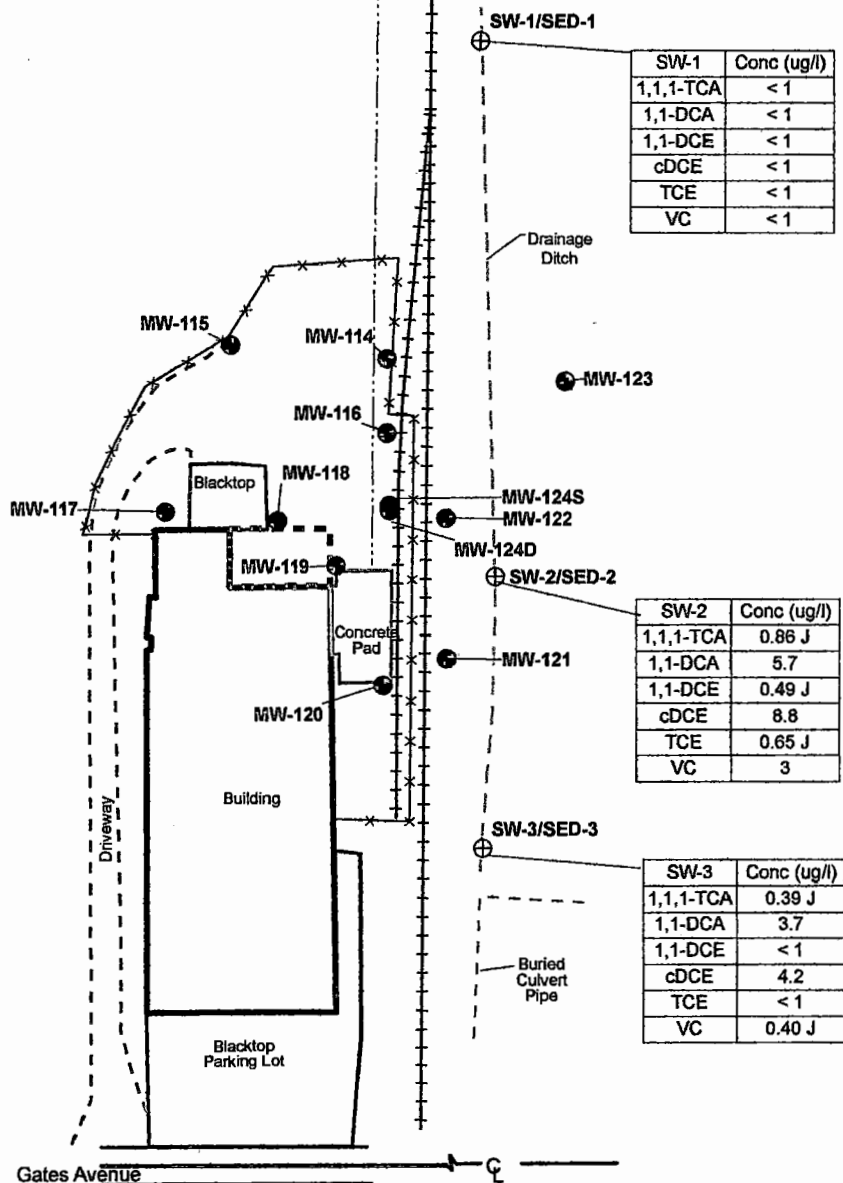
File:
ECOR\Geneva\0809-
FigO-Aug-cDCE-TOC.mxd

Date:
08/27/2009

Figure O
cis-1,2-Dichloroethene and Total Organic
Carbon Concentration in Groundwater
August 2009

Former Monarch Chemicals Facility
61 Gates Avenue
Geneva, New York





Legend

- Monitoring Well Location
- ⊕ Surface Water and Sediment Sampling Location
- ×-×-× Fence
- + + + + Railroad
- - - - AST Containment Area
- - - - PVC Drain Pipe
- 1,1,1-TCA = 1,1,1-Trichloroethane
- 1,1-DCA = 1,1-Dichloroethane
- 1,1-DCE = 1,1-Dichloroethene
- cDCE = cis-1,2-Dichloroethene
- TCE = Trichloroethene
- VC = Vinyl Chloride
- J = Estimated Concentration

0 60 120 Feet



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West Chester, PA 19380

pointmap
Incorporated

File:
ECOR\Geneva\
0809-FigP-chem-data.mxd

Date:
09/10/2009

Figure P
Surface Water Sampling Results
August 2009

Former Monarch Chemicals Facility
61 Gates Avenue
Geneva, New York

Attachment 2
August 2009 Analytical Laboratory Report

Analytical Report

Work Order: RSH0095

Project Description
FORMER MONARCH CHEMICAL

For:

Keith Rapp
ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380



Brian Fischer
Project Manager
Brian.Fischer@testamericainc.com

Wednesday, August 12, 2009

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

ECOR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

TestAmerica Buffalo Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA, NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP, SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA, RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA, RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

Case Narrative

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

OR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

DATA QUALIFIERS AND DEFINITIONS

- 6 Results confirmed by reanalysis.
3 Dilution required due to excessive foaming
8 Dilution required due to high concentration of target analyte(s)
Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.
Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-01 (MW-114 - Water)						Sampled: 08/04/09 09:04		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	11		1.0	0.26	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	4.0		1.0	0.38	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethene	2.6		1.0	0.29	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
Chloroform	1.3		1.0	0.34	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
cis-1,2-Dichloroethene	17		1.0	0.38	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
Tetrachloroethene	23		1.0	0.36	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
Trichloroethene	57		1.0	0.46	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
Vinyl chloride	2.4		1.0	0.24	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	3.3		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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Sample ID: RSH0095-02 (MW-115 - Water)

Sampled: 08/03/09 16:55

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	22		1.0	0.26	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
1,1,2-Trichloroethane	0.30	J	1.0	0.23	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
1,1-Dichloroethane	33		1.0	0.38	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
1,1-Dichloroethene	7.7		1.0	0.29	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
Chloroform	0.49	J	1.0	0.34	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
cis-1,2-Dichloroethene	13		1.0	0.38	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
Tetrachloroethene	33		1.0	0.36	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
Trichloroethene	9.5		1.0	0.46	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
Vinyl chloride	3.7		1.0	0.24	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	5.3		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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Sample ID: RSH0095-03 (MW-116 - Water)

Sampled: 08/04/09 09:56

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

1,1-Dichloroethane	3.6		1.0	0.38	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Acetone	3.2	J	5.0	1.3	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Benzene	3.2		1.0	0.41	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Chloroethane	1.6		1.0	0.32	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
cis-1,2-Dichloroethene	1.9		1.0	0.38	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Ethylbenzene	0.56	J	1.0	0.18	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
trans-1,2-Dichloroethene	0.43	J	1.0	0.42	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Trichloroethene	0.55	J	1.0	0.46	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Vinyl chloride	0.75	J	1.0	0.24	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	11.0	CF6	1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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Sample ID: RSH0095-04 (MW-117 - Water)

Sampled: 08/04/09 15:06

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

2-Butanone	10		5.0	1.3	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
2-Hexanone	1.4	J	5.0	1.2	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Acetone	85		5.0	1.3	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B

WOR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Executive Summary - Detections

Sample	Data									
alyte	Result	Qualifiers	RL	MDL	Units	Dil	Date	Lab	Batch	Method
Sample ID: RSH0095-04 (MW-117 - Water) - cont.						Sampled: 08/04/09 15:06		Recvd: 08/05/09 09:45		
<u>atile Organic Compounds by EPA 8260B - cont.</u>										
izene	0.45	J	1.0	0.41	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2-Dichloroethene	6.9		1.0	0.38	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
ylbenzene	1.2		1.0	0.18	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
propylbenzene	1.4		1.0	0.19	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
achloroethene	2.1		1.0	0.36	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
anes, total	1.0	J	2.0	0.66	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
<u>General Chemistry Parameters</u>										
al Organic Carbon	127	D08, CF6	5.0	NR	mg/L	5.00	08/07/09 19:41	JMM	9H07055	9060
Sample ID: RSH0095-05 (MW-118 - Water)						Sampled: 08/04/09 16:22		Recvd: 08/05/09 09:45		
<u>atile Organic Compounds by EPA 8260B</u>										
2-Trichloroethane	6.5	D03,J	10	2.3	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
Dichloroethene	460	D03	10	2.9	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
Dichloroethane	2.9	D03,J	10	2.1	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
atanone	49	D03,J	50	13	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
tone	130	D03	50	13	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
s-1,2-Dichloroethene	130	D03	10	4.2	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
l chloride	550	D03	10	2.4	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
<u>General Chemistry Parameters</u>										
il Organic Carbon	660	D08	10.0	NR	mg/L	10.0	08/06/09 16:14	JMM	9H06042	9060
Sample ID: RSH0095-05RE1 (MW-118 - Water)						Sampled: 08/04/09 16:22		Recvd: 08/05/09 09:45		
<u>atile Organic Compounds by EPA 8260B</u>										
l-Trichloroethane	2300	D08	200	53	ug/L	200	08/06/09 12:47	TWS	9H06011	8260B
Dichloroethane	1500	D08	200	77	ug/L	200	08/06/09 12:47	TWS	9H06011	8260B
,2-Dichloroethene	10000	D08	200	77	ug/L	200	08/06/09 12:47	TWS	9H06011	8260B
Sample ID: RSH0095-06 (MW-119 - Water)						Sampled: 08/04/09 14:16		Recvd: 08/05/09 09:45		
<u>atile Organic Compounds by EPA 8260B</u>										
l-Trichloroethane	3.7		1.0	0.26	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Dichloroethane	45		1.0	0.38	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Dichloroethane	0.31	J	1.0	0.21	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
atanone	2.9	J	5.0	1.3	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
one	11		5.0	1.3	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
ene	0.93	J	1.0	0.41	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
roethane	1.7		1.0	0.32	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
,2-Dichloroethene	12		1.0	0.38	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
-1,2-Dichloroethene	1.6		1.0	0.42	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
loroethene	1.1		1.0	0.46	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
chloride	30		1.0	0.24	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
<u>General Chemistry Parameters</u>										
Organic Carbon	168	D08	10.0	NR	mg/L	10.0	08/06/09 16:14	JMM	9H06042	9060

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-07 (MW-120 - Water)						Sampled: 08/04/09 13:12		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	19		1.0	0.26	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,1-Dichloroethane	25		1.0	0.38	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,1-Dichloroethene	0.92	J	1.0	0.29	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Chloroform	0.45	J	1.0	0.34	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
cis-1,2-Dichloroethene	40		1.0	0.38	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Tetrachloroethene	7.4		1.0	0.36	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
trans-1,2-Dichloroethene	0.64	J	1.0	0.42	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Trichloroethene	16		1.0	0.46	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Vinyl chloride	8.7		1.0	0.24	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	6.2		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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Sample ID: RSH0095-08 (MW-121 - Water)

Sampled: 08/03/09 15:23

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	5.4		1.0	0.26	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,1-Dichloroethane	12		1.0	0.38	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,1-Dichloroethene	0.37	J	1.0	0.29	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,2-Dichloroethane	0.23	J	1.0	0.21	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
2-Butanone	2.3	J	5.0	1.3	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Chloroform	0.49	J	1.0	0.34	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
cis-1,2-Dichloroethene	18		1.0	0.38	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Tetrachloroethene	13		1.0	0.36	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Trichloroethene	8.7		1.0	0.46	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Vinyl chloride	7.1		1.0	0.24	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	6.8		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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Sample ID: RSH0095-09 (MW-122 - Water)

Sampled: 08/03/09 15:15

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	47	D08	10	2.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
1,1-Dichloroethane	93	D08	10	3.8	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
1,1-Dichloroethene	9.1	D08,J	10	2.9	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
cis-1,2-Dichloroethene	590	D08	10	3.8	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
trans-1,2-Dichloroethene	13	D08	10	4.2	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
Trichloroethene	30	D08	10	4.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
Vinyl chloride	360	D08	10	2.4	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	3.1		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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Sample ID: RSH0095-10 (MW-123 - Water)

Sampled: 08/03/09 14:09

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	0.27	J	1.0	0.26	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,1-Dichloroethane	4.1		1.0	0.38	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,1-Dichloroethene	1.2		1.0	0.29	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B

ECOR Solutions, Inc. - West Chester, PA
 175 Andrews Drive Suite 1
 West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Executive Summary - Detections

alyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-10 (MW-123 - Water) - cont.					Sampled: 08/03/09 14:09			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B - cont.										
1,2-Dichloroethene	0.54	J	1.0	0.38	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Trichloroethene	0.72	J	1.0	0.36	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
General Chemistry Parameters										
Total Organic Carbon	4.0		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
Sample ID: RSH0095-11 (MW-124S - Water)					Sampled: 08/04/09 11:06			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1,2-Dichloroethane	4.5		1.0	0.38	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,2-Dichloroethane	0.34	J	1.0	0.21	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Acetone	10		5.0	1.3	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Acetone	39		5.0	1.3	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Carbon disulfide	3.1		1.0	0.19	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,2-Dichloroethene	1.3		1.0	0.38	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Toluene	34		1.0	0.18	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Propylbenzene	0.64	J	1.0	0.19	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Benzene	17		1.0	0.51	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
trans-1,2-Dichloroethene	7.2		1.0	0.42	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Chloroethene	0.51	J	1.0	0.46	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Hydrochloride	1.4		1.0	0.24	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Alkanes, total	35		2.0	0.66	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
General Chemistry Parameters										
Total Organic Carbon	194	D08, CF6	10.0	NR	mg/L	10.0	08/07/09 19:41	JMM	9H07055	9060
Sample ID: RSH0095-11RE1 (MW-124S - Water)					Sampled: 08/04/09 11:06			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
Proethane	100	D08	2.0	0.65	ug/L	2.00	08/06/09 13:09	TWS	9H06011	8260B
Sample ID: RSH0095-12 (MW-124D - Water)					Sampled: 08/04/09 12:15			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1-Trichloroethane	8.4	D03	5.0	1.3	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichloroethane	470	D03	5.0	1.9	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichloroethene	17	D03	5.0	1.5	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Acetone	76	D03	25	6.6	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Acetone	9.4	D03,J	25	6.7	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Proethane	5.0	D03	5.0	1.6	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Toluene	1.1	D03,J	5.0	0.92	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
trans-1,2-Dichloroethene	12	D03	5.0	2.1	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Chloroethene	17	D03	5.0	2.3	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
General Chemistry Parameters										
Total Organic Carbon	844	D08	20.0	NR	mg/L	20.0	08/06/09 16:14	JMM	9H06042	9060
Sample ID: RSH0095-12RE1 (MW-124D - Water)					Sampled: 08/04/09 12:15			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1,2-Dichloroethene	720	D08	10	3.8	ug/L	10.0	08/06/09 13:32	TWS	9H06011	8260B

estAmerica Buffalo

Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

ECOR Solutions, Inc. - West Chester, PA
075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

Executive Summary - Detections

Sample	Data				Dil	Date	Lab		
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method

Sample ID: RSH0095-12RE1 (MW-124D - Water) - cont.

Sampled: 08/04/09 12:15

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B - cont.

vinyl chloride	510	D08	10	2.4	ug/L	10.0	08/06/09 13:32	TWS	9H06011	8260B
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Sample ID: RSH0095-13 (DUP-1 - Water)

Sampled: 08/04/09

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	10		1.0	0.26	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,1,2-Trichloroethane	0.37	J	1.0	0.23	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,1-Dichloroethene	19		1.0	0.29	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,2-Dichloroethane	0.79	J	1.0	0.21	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
2-Butanone	91		5.0	1.3	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Acetone	10		5.0	1.3	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Benzene	0.71	J	1.0	0.41	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,1-Dichloroethane	2.9		1.0	0.32	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1-Ethylbenzene	0.60	J	1.0	0.18	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,1,2,2-Tetrachloroethane	1.0		1.0	0.36	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Toluene	1.2		1.0	0.51	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
trans-1,2-Dichloroethene	13		1.0	0.42	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Trichloroethene	18		1.0	0.46	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Xylenes, total	1.3	J	2.0	0.66	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	758	D08	20.0	NR	mg/L	20.0	08/07/09 19:41	JMM	9H07055	9060
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Sample ID: RSH0095-13RE1 (DUP-1 - Water)

Sampled: 08/04/09

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

1,1-Dichloroethane	390	D08	40	15	ug/L	40.0	08/06/09 13:54	TWS	9H06011	8260B
cis-1,2-Dichloroethene	680	D08	40	15	ug/L	40.0	08/06/09 13:54	TWS	9H06011	8260B
Vinyl chloride	510	D08	40	9.7	ug/L	40.0	08/06/09 13:54	TWS	9H06011	8260B

Sample ID: RSH0095-14 (DUP-2 - Water)

Sampled: 08/04/09

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

Acetone	32	D03,J	50	13	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
cis-1,2-Dichloroethene	6.0	D03,J	10	3.8	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	128	D08	5.0	NR	mg/L	5.00	08/07/09 19:41	JMM	9H07055	9060
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Sample ID: RSH0095-16 (SW-2 - Water)

Sampled: 08/04/09 17:00

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

1,1,1-Trichloroethane	0.86	J	1.0	0.26	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,1-Dichloroethane	5.7		1.0	0.38	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,1-Dichloroethene	0.49	J	1.0	0.29	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
cis-1,2-Dichloroethene	8.8		1.0	0.38	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Trichloroethene	0.65	J	1.0	0.46	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Vinyl chloride	3.0		1.0	0.24	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B

Sample ID: RSH0095-17 (SW-3 - Water)

Sampled: 08/04/09 16:50

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

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COR Solutions, Inc. - West Chester, PA
075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Executive Summary - Detections

analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-17 (SW-3 - Water) - cont.						Sampled: 08/04/09 16:50		Recvd: 08/05/09 09:45		
1,1-Trichloroethane	0.39	J	1.0	0.26	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1-Dichloroethane	3.7		1.0	0.38	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,2-Dichloroethene	4.2		1.0	0.38	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
yl chloride	0.40	J	1.0	0.24	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-114	RSH0095-01	Water	08/04/09 09:04	08/05/09 09:45	
MW-115	RSH0095-02	Water	08/03/09 16:55	08/05/09 09:45	
MW-116	RSH0095-03	Water	08/04/09 09:56	08/05/09 09:45	
MW-117	RSH0095-04	Water	08/04/09 15:06	08/05/09 09:45	
MW-118	RSH0095-05	Water	08/04/09 16:22	08/05/09 09:45	
MW-119	RSH0095-06	Water	08/04/09 14:16	08/05/09 09:45	
MW-120	RSH0095-07	Water	08/04/09 13:12	08/05/09 09:45	
MW-121	RSH0095-08	Water	08/03/09 15:23	08/05/09 09:45	
MW-122	RSH0095-09	Water	08/03/09 15:15	08/05/09 09:45	
MW-123	RSH0095-10	Water	08/03/09 14:09	08/05/09 09:45	
MW-124S	RSH0095-11	Water	08/04/09 11:06	08/05/09 09:45	
MW-124D	RSH0095-12	Water	08/04/09 12:15	08/05/09 09:45	
DUP-1	RSH0095-13	Water	08/04/09	08/05/09 09:45	
DUP-2	RSH0095-14	Water	08/04/09	08/05/09 09:45	
SW-1	RSH0095-15	Water	08/04/09 17:10	08/05/09 09:45	
SW-2	RSH0095-16	Water	08/04/09 17:00	08/05/09 09:45	
SW-3	RSH0095-17	Water	08/04/09 16:50	08/05/09 09:45	
TB-1	RSH0095-18	Water	08/04/09	08/05/09 09:45	

COR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Analytical Report

Sample	Data				Dil	Date	Lab		
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Sample ID: RSH0095-01 (MW-114 - Water)						Sampled: 08/04/09 09:04		Recvd: 08/05/09 09:45	
Volatile Organic Compounds by EPA 8260B									
1,1-Trichloroethane	11	1.0	0.26	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,2-Trichloroethane	ND	1.0	0.23	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	0.31	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	4.0	1.0	0.38	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethene	2.6	1.0	0.29	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND	1.0	0.41	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dibromo-3-chloropropane	ND	1.0	0.39	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dibromoethane	ND	1.0	0.17	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND	1.0	0.20	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.21	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloropropane	ND	1.0	0.32	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND	1.0	0.36	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND	1.0	0.39	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
2-Pentanone	ND	5.0	1.3	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
2-Pentanone	ND	5.0	1.2	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
2-Ethyl-2-pentanone	ND	5.0	0.91	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
2-Pentanone	ND	5.0	1.3	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
2-Pentanone	ND	1.0	0.41	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloromethane	ND	1.0	0.39	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.26	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.28	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.19	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.27	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.32	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.32	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.32	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1-Dichloroethane	ND	1.0	0.35	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,2-Dichloroethane	17	1.0	0.38	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,3-Dichloropropene	ND	1.0	0.36	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.53	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.29	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.18	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.19	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.50	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.16	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.50	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.44	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.18	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	23	1.0	0.36	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.51	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.42	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.37	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	57	1.0	0.46	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	1.0	0.15	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	2.4	1.0	0.24	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND	2.0	0.66	ug/L	1.00	08/05/09 22:29	NMD	9H05059	8260B

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-01 (MW-114 - Water) - cont.						Sampled: 08/04/09 09:04		Recvd: 08/05/09 09:45		

Volatile Organic Compounds by EPA 8260B - cont.

1,2-Dichloroethane-d4	110 %	Surr Limits: (66-137%)					08/05/09 22:29	NMD	9H05059	8260B
1-Bromofluorobenzene	90 %	Surr Limits: (73-120%)					08/05/09 22:29	NMD	9H05059	8260B
Toluene-d8	100 %	Surr Limits: (71-126%)					08/05/09 22:29	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	3.3		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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COR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Analytical Report

Sample	Data				Dil	Date	Lab		
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Sample ID: RSH0095-02 (MW-115 - Water)						Sampled: 08/03/09 16:55		Recvd: 08/05/09 09:45	
Volatile Organic Compounds by EPA 8260B									
1,1-Trichloroethane	22		1.0	0.26	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2-Trichloroethane	0.30	J	1.0	0.23	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	33		1.0	0.38	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethene	7.7		1.0	0.29	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2-Pentanone	ND		5.0	1.3	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2-Ethyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2-Pentanone	ND		5.0	1.3	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2-Dichloroethane	ND		1.0	0.41	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.39	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.28	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.19	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.27	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	0.49	J	1.0	0.34	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.35	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,2-Dichloroethane	13		1.0	0.38	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Hexane	ND		1.0	0.53	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Difluoromethane	ND		1.0	0.29	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Benzene	ND		1.0	0.18	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Propylbenzene	ND		1.0	0.19	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Acetate	ND		1.0	0.50	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-t-Butyl Ether	ND		1.0	0.16	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Butyl Ether (BE)	ND		1.0	0.50	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Cyclohexane	ND		1.0	0.44	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Chloride	ND		1.0	0.18	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Chloroethene	33		1.0	0.36	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Chloroethene	ND		1.0	0.51	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1,2-Dichloroethene	ND		1.0	0.42	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Chloroethene	9.5		1.0	0.46	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Difluoromethane	ND		1.0	0.15	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B
1,1-Chloride	3.7		1.0	0.24	ug/L	1.00	08/05/09 22:50	NMD 9H05059	8260B

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-02 (MW-115 - Water) - cont.						Sampled: 08/03/09 16:55		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		2.0	0.66	ug/L	1.00	08/05/09 22:50	NMD	9H05059	8260B
1,2-Dichloroethane-d4	108 %		Surr Limits: (66-137%)				08/05/09 22:50	NMD	9H05059	8260B
1-Bromofluorobenzene	87 %		Surr Limits: (73-120%)				08/05/09 22:50	NMD	9H05059	8260B
Toluene-d8	94 %		Surr Limits: (71-126%)				08/05/09 22:50	NMD	9H05059	8260B
<u>General Chemistry Parameters</u>										
Total Organic Carbon	5.3		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060

COR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Analytical Report

Sample	Data				Dil	Date	Lab			
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method	
Sample ID: RSH0095-03 (MW-116 - Water)										
					Sampled: 08/04/09 09:56		Recvd: 08/05/09 09:45			
Volatile Organic Compounds by EPA 8260B										
1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dichloroethane	3.6		1.0	0.38	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dibromo-3-chloroprop	ND		1.0	0.39	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Hexanone	ND		5.0	1.3	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
Hexanone	ND		5.0	1.2	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
2-Ethyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
2-Pentanone	3.2	J	5.0	1.3	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
2-Pentanone	3.2		1.0	0.41	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.39	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.28	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.19	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1,1-Trichloroethane	ND		1.0	0.27	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1,2-Trichloroethane	ND		1.0	0.32	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1,2-Trichloroethane	1.6		1.0	0.32	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1,2-Trichloroethane	ND		1.0	0.34	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1,2-Trichloroethane	ND		1.0	0.35	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichloroethene	1.9		1.0	0.38	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.53	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1,1-Trifluoroethane	ND		1.0	0.29	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,1,2-Trichloroethane	0.56	J	1.0	0.18	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.50	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.44	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.18	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichloroethene	ND		1.0	0.36	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichloroethene	ND		1.0	0.51	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichloroethene	0.43	J	1.0	0.42	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,3-Dichloropropene	0.55	J	1.0	0.46	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.15	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,3-Dichloropropene	0.75	J	1.0	0.24	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B

estAmerica Buffalo

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-03 (MW-116 - Water) - cont.						Sampled: 08/04/09 09:56		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Xylenes, total	ND		2.0	0.66	ug/L	1.00	08/05/09 23:12	NMD	9H05059	8260B
1,2-Dichloroethane-d4	107 %		Surr Limits: (66-137%)				08/05/09 23:12	NMD	9H05059	8260B
4-Bromofluorobenzene	86 %		Surr Limits: (73-120%)				08/05/09 23:12	NMD	9H05059	8260B
Toluene-d8	92 %		Surr Limits: (71-126%)				08/05/09 23:12	NMD	9H05059	8260B
<u>General Chemistry Parameters</u>										
Total Organic Carbon	11.0	CF6	1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060

ECOR Solutions, Inc. - West Chester, PA
1775 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample	Data	RL	MDL	Units	Dil	Date	Lab	Batch	Method
	Result	Qualifiers				Fac	Analyzed	Tech		
Sample ID: RSH0095-04 (MW-117 - Water)					Sampled: 08/04/09 15:06			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dichloroethane	ND		1.0	0.38	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dibromo-3-chloroprop	ND		1.0	0.39	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Hexanone	10		5.0	1.3	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
Hexanone	1.4	J	5.0	1.2	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
2-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
2-Pentanone	85		5.0	1.3	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
2-Pentanone	0.45	J	1.0	0.41	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.39	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.28	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.19	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.27	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.34	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.35	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2-Dichloroethene	6.9		1.0	0.38	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND		1.0	0.53	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,1,1-Trifluoroethane	ND		1.0	0.29	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2-Dichlorobenzene	1.2		1.0	0.18	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	1.4		1.0	0.19	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.16	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.44	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.18	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	2.1		1.0	0.36	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.51	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2-Dichloroethene	ND		1.0	0.42	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.46	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.15	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.24	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B

estAmerica Buffalo

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-04 (MW-117 - Water) - cont.						Sampled: 08/04/09 15:06		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
xlenes, total	1.0	J	2.0	0.66	ug/L	1.00	08/05/09 23:34	NMD	9H05059	8260B
1,2-Dichloroethane-d4	109 %		Surr Limits: (66-137%)				08/05/09 23:34	NMD	9H05059	8260B
1-Bromofluorobenzene	91 %		Surr Limits: (73-120%)				08/05/09 23:34	NMD	9H05059	8260B
1,4-Duene-d8	97 %		Surr Limits: (71-126%)				08/05/09 23:34	NMD	9H05059	8260B
<u>General Chemistry Parameters</u>										
Total Organic Carbon	127	D08, CF6	5.0	NR	mg/L	5.00	08/07/09 19:41	JMM	9H07055	9060

COR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Sample	Data									
Result	Qualifiers	RL	MDL	Units	Dil	Date	Lab	Batch	Method	
alyte					Fac	Analyzed	Tech			
Sample ID: RSH0095-05 (MW-118 - Water)					Sampled: 08/04/09 16:22		Recvd: 08/05/09 09:45			
Volatile Organic Compounds by EPA 8260B										
1,2,2-Tetrachloroethane	ND	D03	10	2.1	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,2-Trichloroethane	6.5	D03,J	10	2.3	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,2-Trichloro-1,2,2-trifluoroethane	ND	D03	10	3.1	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethene	460	D03	10	2.9	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,4-Trichlorobenzene	ND	D03	10	4.1	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dibromo-3-chloropropane	ND	D03	10	3.9	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dibromoethane	ND	D03	10	1.7	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND	D03	10	2.0	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	2.9	D03,J	10	2.1	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloropropane	ND	D03	10	3.2	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND	D03	10	3.6	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND	D03	10	3.9	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	49	D03,J	50	13	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	50	12	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloro-2-pentanone	ND	D03	50	9.1	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	130	D03	50	13	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	4.1	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloromethane	ND	D03	10	3.9	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloromethane	ND	D03	10	2.6	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloromethane	ND	D03	10	2.8	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	1.9	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	2.7	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.2	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloromethane	ND	D03	10	3.2	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.2	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.4	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.5	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.6	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	5.3	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	2.9	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	1.8	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	1.9	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	5.0	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	1.6	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	5.0	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	4.4	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	1.8	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.6	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	5.1	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	130	D03	10	4.2	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.7	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	4.6	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	1.5	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	550	D03	10	2.4	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	20	6.6	ug/L	10.0	08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane-d4	104 %	D03	Surr Limits: (66-137%)				08/05/09 23:56	NMD	9H05059	8260B
1,1-Dichloroethane	87 %	D03	Surr Limits: (73-120%)				08/05/09 23:56	NMD	9H05059	8260B

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
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Sample ID: RSH0095-05 (MW-118 - Water) - cont.

Sampled: 08/04/09 16:22

Recvd: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B - cont.

Toluene-d8	97 %	D03	Surr Limits: (71-126%)				08/05/09 23:56	NMD	9H05059	8260B
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General Chemistry Parameters

Total Organic Carbon	660	D08	10.0	NR	mg/L	10.0	08/06/09 16:14	JMM	9H06042	9060
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ECOR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Sample	Data									
Result	Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RSH0095-05RE1 (MW-118 - Water)										
						Sampled: 08/04/09 16:22	Recvd: 08/05/09 09:45			
Volatile Organic Compounds by EPA 8260B										
1-Trichloroethane	2300	D08	200	53	ug/L	200	08/06/09 12:47	TWS	9H06011	8260B
Dichloroethane	1500	D08	200	77	ug/L	200	08/06/09 12:47	TWS	9H06011	8260B
1,2-Dichloroethene	10000	D08	200	77	ug/L	200	08/06/09 12:47	TWS	9H06011	8260B
Dichloroethane-d4	97 %	D08	Surr Limits: (66-137%)				08/06/09 12:47	TWS	9H06011	8260B
monofluorobenzene	84 %	D08	Surr Limits: (73-120%)				08/06/09 12:47	TWS	9H06011	8260B
benzene-d8	92 %	D08	Surr Limits: (71-126%)				08/06/09 12:47	TWS	9H06011	8260B

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample	Data	RL	MDL	Units	Dil	Date	Lab	Batch	Method
	Result	Qualifiers				Fac	Analyzed	Tech		
Sample ID: RSH0095-06 (MW-119 - Water)						Sampled: 08/04/09 14:16		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	3.7		1.0	0.26	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,1-Dichloroethane	45		1.0	0.38	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,2-Dichloroethane	0.31	J	1.0	0.21	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,2-Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,3-Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
2-Butanone	2.9	J	5.0	1.3	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
2-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Acetone	11		5.0	1.3	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Benzene	0.93	J	1.0	0.41	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Dichloroethane	1.7		1.0	0.32	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Dichloroform	ND		1.0	0.34	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Dichloromethane	ND		1.0	0.35	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Diis-1,2-Dichloroethene	12		1.0	0.38	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Diis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Trans-1,2-Dichloroethene	1.6		1.0	0.42	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Trichloroethene	1.1		1.0	0.46	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
Vinyl chloride	30		1.0	0.24	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B

TestAmerica Buffalo

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ECOR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095
Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-06 (MW-119 - Water) - cont.						Sampled: 08/04/09 14:16		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
Hydrocarbons, total	ND		2.0	0.66	ug/L	1.00	08/06/09 00:18	NMD	9H05059	8260B
1,1-Dichloroethane-d4	97 %		Surr Limits: (66-137%)				08/06/09 00:18	NMD	9H05059	8260B
1,2-Dichlorobenzene	88 %		Surr Limits: (73-120%)				08/06/09 00:18	NMD	9H05059	8260B
1,2,4-Trichlorobenzene-d8	95 %		Surr Limits: (71-126%)				08/06/09 00:18	NMD	9H05059	8260B
<u>General Chemistry Parameters</u>										
Total Organic Carbon	168	D08	10.0	NR	mg/L	10.0	08/06/09 16:14	JMM	9H06042	9060

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample	Data	RL	MDL	Units	Dil	Date	Lab	Batch	Method
	Result	Qualifiers				Fac	Analyzed	Tech		
Sample ID: RSH0095-07 (MW-120 - Water)					Sampled: 08/04/09 13:12			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	19		1.0	0.26	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,1-Dichloroethane	25		1.0	0.38	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,1-Dichloroethene	0.92	J	1.0	0.29	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,2-Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,3-Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
2-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Dichloroform	0.45	J	1.0	0.34	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Dichloromethane	ND		1.0	0.35	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
cis-1,2-Dichloroethene	40		1.0	0.38	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Tetrachloroethene	7.4		1.0	0.36	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
trans-1,2-Dichloroethene	0.64	J	1.0	0.42	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Trichloroethene	16		1.0	0.46	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
Vinyl chloride	8.7		1.0	0.24	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B

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COR Solutions, Inc. - West Chester, PA
 1775 Andrews Drive Suite 1
 West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

alyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
nple ID: RSH0095-07 (MW-120 - Water) - cont.					Sampled: 08/04/09 13:12			Recvd: 08/05/09 09:45		
<u>latile Organic Compounds by EPA 8260B - cont.</u>										
enes, total	ND		2.0	0.66	ug/L	1.00	08/06/09 00:40	NMD	9H05059	8260B
-Dichloroethane-d4	99 %		Surr Limits: (66-137%)				08/06/09 00:40	NMD	9H05059	8260B
romofluorobenzene	86 %		Surr Limits: (73-120%)				08/06/09 00:40	NMD	9H05059	8260B
uene-d8	95 %		Surr Limits: (71-126%)				08/06/09 00:40	NMD	9H05059	8260B
<u>neral Chemistry Parameters</u>										
al Organic Carbon	6.2		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-08 (MW-121 - Water)						Sampled: 08/03/09 15:23		Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	5.4		1.0	0.26	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,1-Dichloroethane	12		1.0	0.38	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,1-Dichloroethene	0.37	J	1.0	0.29	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,2-Dichloroethane	0.23	J	1.0	0.21	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,2-Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,3-Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
2-Butanone	2.3	J	5.0	1.3	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Chloroform	0.49	J	1.0	0.34	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
cis-1,2-Dichloroethene	18		1.0	0.38	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Tetrachloroethene	13		1.0	0.36	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
trans-1,2-Dichloroethene	ND		1.0	0.42	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Trichloroethene	8.7		1.0	0.46	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Vinyl chloride	7.1		1.0	0.24	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B

ECOR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Sample	Data				Dil	Date	Lab		
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Sample ID: RSH0095-08 (MW-121 - Water) - cont.					Sampled: 08/03/09 15:23		Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B - cont.									
Hydrocarbons, total	ND	2.0	0.66	ug/L	1.00	08/06/09 01:02	NMD	9H05059	8260B
Dichloroethane-d4	96 %	Surr Limits: (66-137%)				08/06/09 01:02	NMD	9H05059	8260B
Monofluorobenzene	88 %	Surr Limits: (73-120%)				08/06/09 01:02	NMD	9H05059	8260B
Benzene-d8	95 %	Surr Limits: (71-126%)				08/06/09 01:02	NMD	9H05059	8260B
General Chemistry Parameters									
Total Organic Carbon	6.8	1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060

Analytical Report

Sample	Result	Qualifiers	RL	MDL	Units	Dil	Date	Lab	Batch	Method
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Sample ID: RSH0095-09 (MW-122 - Water)

Sampled: 08/03/09 15:15

Received: 08/05/09 09:45

Volatile Organic Compounds by EPA 8260B

47	ND	D08	10	2.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	2.1	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	2.3	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.1	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
93	D08	10	3.8	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B	
9.1	D08	10	2.9	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B	
	ND	D08	10	4.1	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.9	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	13	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	50	9.1	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	50	12	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	50	13	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	50	13	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.2	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.9	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	4.1	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.9	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	2.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	2.8	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	1.9	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	2.7	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.2	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.2	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.2	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.4	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.5	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.8	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	5.3	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	2.9	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	1.8	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	1.9	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	5.0	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	1.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	5.0	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	5.0	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	5.0	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	5.0	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	4.4	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	1.8	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	5.1	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	4.2	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	3.7	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	4.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	1.5	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	2.4	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B
	ND	D08	10	6.6	ug/L	10.0	08/06/09 01:25	NMD	9H05059	8260B

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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COR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Sample	Data									
Result	Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RSH0095-09 (MW-122 - Water) - cont.						Sampled: 08/03/09 15:15	Recvd: 08/05/09 09:45			

Volatile Organic Compounds by EPA 8260B - cont.

-Dichloroethane-d4	95 %	D08	Surr Limits: (66-137%)			08/06/09 01:25	NMD	9H05059	8260B
Bromofluorobenzene	85 %	D08	Surr Limits: (73-120%)			08/06/09 01:25	NMD	9H05059	8260B
Chloroethene-d8	91 %	D08	Surr Limits: (71-126%)			08/06/09 01:25	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	3.1		1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-10 (MW-123 - Water)						Sampled: 08/03/09 14:09		Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	0.27	J	1.0	0.26	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,1-Dichloroethane	4.1		1.0	0.38	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,1-Dichloroethene	1.2		1.0	0.29	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,2-Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,3-Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Benzene	ND		1.0	0.41	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
cis-1,2-Dichloroethene	0.54	J	1.0	0.38	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Tetrachloroethene	0.72	J	1.0	0.36	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
trans-1,2-Dichloroethene	ND		1.0	0.42	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Trichloroethene	ND		1.0	0.46	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B
Xylenes, total	ND		2.0	0.66	ug/L	1.00	08/06/09 01:47	NMD	9H05059	8260B

TestAmerica Buffalo

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OR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Sample	Data									
Result	Qualifiers	RL	MDL	Units	Dil	Date	Lab	Batch	Method	
					Fac	Analyzed	Tech			

Sample ID: RSH0095-10 (MW-123 - Water) - cont.

Sampled: 08/03/09 14:09

Recvd: 08/05/09 09:45

Stable Organic Compounds by EPA 8260B - cont.

Dichloroethane-d4	99 %	Surr Limits: (66-137%)	08/06/09 01:47	NMD	9H05059	8260B
monofluorobenzene	83 %	Surr Limits: (73-120%)	08/06/09 01:47	NMD	9H05059	8260B
benzene-d8	94 %	Surr Limits: (71-126%)	08/06/09 01:47	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	4.0	1.0	NR	mg/L	1.00	08/06/09 16:14	JMM	9H06042	9060
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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample	Data	RL	MDL	Units	Dil	Date	Lab	Batch	Method
	Result	Qualifiers				Fac	Analyzed	Tech		
Sample ID: RSH0095-11 (MW-124S - Water)						Sampled: 08/04/09 11:06		Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1-Dichloroethane	4.5		1.0	0.38	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,2-Dichloroethane	0.34	J	1.0	0.21	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,2-Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,3-Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
2-Butanone	10		5.0	1.3	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
2-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
2-Pentanone	39		5.0	1.3	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
2-Pentene	ND		1.0	0.41	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1-Dibromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1-Dibromoform	ND		1.0	0.26	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1-Dibromomethane	ND		1.0	0.28	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Carbon disulfide	3.1		1.0	0.19	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1-Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
cis-1,2-Dichloroethene	1.3		1.0	0.38	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1-Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Ethylbenzene	34		1.0	0.18	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Isopropylbenzene	0.64	J	1.0	0.19	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Toluene	17		1.0	0.51	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
trans-1,2-Dichloroethene	7.2		1.0	0.42	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
1,1,1-Trichloroethene	0.51	J	1.0	0.46	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Vinyl chloride	1.4		1.0	0.24	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B
Xylenes, total	35		2.0	0.66	ug/L	1.00	08/06/09 02:09	NMD	9H05059	8260B

COR Solutions, Inc. - West Chester, PA
 1775 Andrews Drive Suite 1
 West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Analytical Report

Sample	Data				Dil	Date	Lab		
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Sample ID: RSH0095-11 (MW-124S - Water) - cont.									
						Sampled: 08/04/09 11:06	Recvd: 08/05/09 09:45		

Volatile Organic Compounds by EPA 8260B - cont.

-Dichloroethane-d4	90 %		Surr Limits: (66-137%)			08/06/09 02:09	NMD	9H05059	8260B
Bromofluorobenzene	88 %		Surr Limits: (73-120%)			08/06/09 02:09	NMD	9H05059	8260B
Heptane-d8	95 %		Surr Limits: (71-126%)			08/06/09 02:09	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	194	D08, CF6	10.0	NR	mg/L	10.0	08/07/09 19:41	JMM	9H07055	9060
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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-11RE1 (MW-124S - Water)						Sampled: 08/04/09 11:06		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B</u>										
Chloroethane	100	D08	2.0	0.65	ug/L	2.00	08/06/09 13:09	TWS	9H06011	8260B
1,2-Dichloroethane-d4	89 %	D08	Surr Limits: (66-137%)				08/06/09 13:09	TWS	9H06011	8260B
1-Bromofluorobenzene	87 %	D08	Surr Limits: (73-120%)				08/06/09 13:09	TWS	9H06011	8260B
Toluene-d8	96 %	D08	Surr Limits: (71-126%)				08/06/09 13:09	TWS	9H06011	8260B

ECOR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Analytical Report

Analyte	Sample	Data	RL	MDL	Units	Dil	Date	Lab	Batch	Method
	Result	Qualifiers				Fac	Analyzed	Tech		
Sample ID: RSH0095-12 (MW-124D - Water)						Sampled: 08/04/09 12:15		Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1-Trichloroethane	8.4	D03	5.0	1.3	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
2,2-Tetrachloroethane	ND	D03	5.0	1.1	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
2-Trichloroethane	ND	D03	5.0	1.2	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
2-Trichloro-1,2,2-trifluoroethane	ND	D03	5.0	1.5	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichloroethane	470	D03	5.0	1.9	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichloroethene	17	D03	5.0	1.5	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
4-Trichlorobenzene	ND	D03	5.0	2.0	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dibromo-3-chloroprop	ND	D03	5.0	2.0	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dibromoethane	ND	D03	5.0	0.83	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichlorobenzene	ND	D03	5.0	1.0	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichloroethane	ND	D03	5.0	1.1	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichloropropane	ND	D03	5.0	1.6	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichlorobenzene	ND	D03	5.0	1.8	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Dichlorobenzene	ND	D03	5.0	2.0	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Hexanone	76	D03	25	6.6	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Hexanone	ND	D03	25	6.2	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Ethyl-2-pentanone	ND	D03	25	4.5	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Pentanone	9.4	D03,J	25	6.7	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
Pentanone	ND	D03	5.0	2.0	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloromethane	ND	D03	5.0	1.9	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	5.0	1.3	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	5.0	1.4	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	5.0	0.97	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	5.0	1.3	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	5.0	1.6	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloroethane	5.0	D03	5.0	1.6	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	5.0	1.7	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	5.0	1.7	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,3-Dichloropropene	ND	D03	5.0	1.8	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,3-Dichloropropene	ND	D03	5.0	2.7	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	1.4	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	1.1	D03,J	5.0	0.92	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	0.96	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	2.5	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	0.80	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	2.5	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	2.2	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	0.92	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	1.8	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	2.6	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	12	D03	5.0	2.1	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	1.8	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	17	D03	5.0	2.3	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	5.0	0.76	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	10	3.3	ug/L	5.00	08/06/09 02:32	NMD	9H05059	8260B
1,1-Difluoromethane	79 %	D03	Surr Limits: (66-137%)				08/06/09 02:32	NMD	9H05059	8260B

estAmerica Buffalo

Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-12 (MW-124D - Water) - cont.						Sampled: 08/04/09 12:15		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
1-Bromofluorobenzene	83 %	D03	Surr Limits: (73-120%)				08/06/09 02:32	NMD	9H05059	8260B
Toluene-d8	95 %	D03	Surr Limits: (71-126%)				08/06/09 02:32	NMD	9H05059	8260B
<u>General Chemistry Parameters</u>										
Total Organic Carbon	844	D08	20.0	NR	mg/L	20.0	08/06/09 16:14	JMM	9H06042	9060

COR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Analytical Report

Sample	Data				Dil	Date	Lab		
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method
Sample ID: RSH0095-12RE1 (MW-124D - Water)						Sampled: 08/04/09 12:15		Recvd: 08/05/09 09:45	
Volatile Organic Compounds by EPA 8260B									
1,2-Dichloroethene	720	D08	10	3.8	ug/L	10.0	08/06/09 13:32	TWS 9H06011	8260B
vinyl chloride	510	D08	10	2.4	ug/L	10.0	08/06/09 13:32	TWS 9H06011	8260B
1,1-Dichloroethane-d4	75 %	D08	Surr Limits: (66-137%)				08/06/09 13:32	TWS 9H06011	8260B
1,1,1-Trifluoro-2,2,2-trifluorobenzene	80 %	D08	Surr Limits: (73-120%)				08/06/09 13:32	TWS 9H06011	8260B
1,1,1,2,2,2-Hexafluoroethane	98 %	D08	Surr Limits: (71-126%)				08/06/09 13:32	TWS 9H06011	8260B

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-13 (DUP-1 - Water)						Sampled: 08/04/09		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B</u>										
1,1,1-Trichloroethane	10		1.0	0.26	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,1,2-Trichloroethane	0.37	J	1.0	0.23	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,1-Dichloroethene	19		1.0	0.29	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,2-Dichloroethane	0.79	J	1.0	0.21	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,2-Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,3-Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
2-Butanone	91		5.0	1.3	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Acetone	10		5.0	1.3	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Benzene	0.71	J	1.0	0.41	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Chloroethane	2.9		1.0	0.32	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Ethylbenzene	0.60	J	1.0	0.18	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Methyl Acetate	ND		1.0	0.50	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Tetrachloroethene	1.0		1.0	0.36	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Toluene	1.2		1.0	0.51	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
trans-1,2-Dichloroethene	13		1.0	0.42	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Trichloroethene	18		1.0	0.46	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
Xylenes, total	1.3	J	2.0	0.66	ug/L	1.00	08/06/09 02:54	NMD	9H05059	8260B
1,2-Dichloroethane-d4	87 %		Surr Limits: (66-137%)				08/06/09 02:54	NMD	9H05059	8260B
4-Bromofluorobenzene	86 %		Surr Limits: (73-120%)				08/06/09 02:54	NMD	9H05059	8260B

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OR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Sample	Data									
Result	Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method	
Sample ID: RSH0095-13 (DUP-1 - Water) - cont.					Sampled: 08/04/09		Recvd: 08/05/09 09:45			
Volatile Organic Compounds by EPA 8260B - cont.										
ene-d8	96 %		Surr Limits: (71-126%)			08/06/09 02:54	NMD	9H05059	8260B	
General Chemistry Parameters										
Total Organic Carbon	758	D08	20.0	NR	mg/L	20.0	08/07/09 19:41	JMM	9H07055	9060

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-13RE1 (DUP-1 - Water)						Sampled: 08/04/09		Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1,1-Dichloroethane	390	D08	40	15	ug/L	40.0	08/06/09 13:54	TWS	9H06011	8260B
1,2-Dichloroethane	680	D08	40	15	ug/L	40.0	08/06/09 13:54	TWS	9H06011	8260B
Vinyl chloride	510	D08	40	9.7	ug/L	40.0	08/06/09 13:54	TWS	9H06011	8260B
1,2-Dichloroethane-d4	82 %	D08	Surr Limits: (66-137%)				08/06/09 13:54	TWS	9H06011	8260B
1-Bromofluorobenzene	81 %	D08	Surr Limits: (73-120%)				08/06/09 13:54	TWS	9H06011	8260B
Toluene-d8	94 %	D08	Surr Limits: (71-126%)				08/06/09 13:54	TWS	9H06011	8260B

ECOR Solutions, Inc. - West Chester, PA
175 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Analytical Report

Sample	Data				Dil	Date	Lab			
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method	
Sample ID: RSH0095-14 (DUP-2 - Water)										
						Sampled: 08/04/09				Recvd: 08/05/09 09:45
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND	D03	10	2.6	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,2,2-Tetrachloroethane	ND	D03	10	2.1	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,2-Trichloroethane	ND	D03	10	2.3	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,2-Trichloro-1,1,2,2-tetrafluoroethane	ND	D03	10	3.1	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.8	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethene	ND	D03	10	2.9	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,4-Dichlorobenzene	ND	D03	10	4.1	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dibromo-3-chloropropane	ND	D03	10	3.9	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dibromoethane	ND	D03	10	1.7	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND	D03	10	2.0	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	2.1	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloropropane	ND	D03	10	3.2	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND	D03	10	3.6	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND	D03	10	3.9	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,2-Pentanone	ND	D03	50	13	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,2-Hexanone	ND	D03	50	12	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,2-Ethyl-2-pentanone	ND	D03	50	9.1	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,2-Pentanone	32	D03,J	50	13	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,2-Dichloroethene	ND	D03	10	4.1	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloromethane	ND	D03	10	3.9	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	2.6	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	2.8	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	1.9	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	2.7	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.2	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.2	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.2	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.4	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethane	ND	D03	10	3.5	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1,2-Dichloroethene	6.0	D03,J	10	3.8	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1,3-Dichloropropene	ND	D03	10	3.6	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Hexane	ND	D03	10	5.3	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	10	2.9	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Benzene	ND	D03	10	1.8	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Pyrene	ND	D03	10	1.9	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Acetate	ND	D03	10	5.0	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-t-Butyl Ether	ND	D03	10	1.6	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-BE)										
1,1-Cyclohexane	ND	D03	10	5.0	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Ethylene Chloride	ND	D03	10	4.4	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Ethene	ND	D03	10	1.8	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Dichloroethene	ND	D03	10	3.6	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Ethene	ND	D03	10	5.1	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1,2-Dichloroethene	ND	D03	10	4.2	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1,3-Dichloropropene	ND	D03	10	3.7	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Ethene	ND	D03	10	4.6	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Difluoromethane	ND	D03	10	1.5	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Chloride	ND	D03	10	2.4	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B
1,1-Totals, total	ND	D03	20	6.6	ug/L	10.0	08/06/09 03:17	NMD	9H05059	8260B

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-14 (DUP-2 - Water) - cont.						Sampled: 08/04/09		Recvd: 08/05/09 09:45		

Volatile Organic Compounds by EPA 8260B - cont.

1,2-Dichloroethane-d4	80 %	D03	Surr Limits: (66-137%)			08/06/09 03:17	NMD	9H05059	8260B
4-Bromofluorobenzene	83 %	D03	Surr Limits: (73-120%)			08/06/09 03:17	NMD	9H05059	8260B
Toluene-d8	97 %	D03	Surr Limits: (71-126%)			08/06/09 03:17	NMD	9H05059	8260B

General Chemistry Parameters

Total Organic Carbon	128	D08	5.0	NR	mg/L	5.00	08/07/09 19:41	JMM	9H07055	9060
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OR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Analytical Report

Sample	Data									
lyte	Result	Qualifiers	RL	MDL	Units	Dil	Date	Lab	Batch	Method
Sample ID: RSH0095-15 (SW-1 - Water)					Sampled: 08/04/09 17:10			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dichloroethane	ND		1.0	0.38	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,4-Dichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dibromo-3-chloroprop	ND		1.0	0.39	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Hexanone	ND		5.0	1.3	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
2-Heptanone	ND		5.0	1.2	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
2-Ethyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Hexanone	ND		5.0	1.3	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
Heptane	ND		1.0	0.41	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.28	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.19	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.27	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.32	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.34	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.35	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Dichloroethane	ND		1.0	0.38	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.53	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,1-Difluoromethane	ND		1.0	0.29	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichlorobenzene	ND		1.0	0.18	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichlorobenzene	ND		1.0	0.19	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.50	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.16	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.50	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.44	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.18	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.36	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.51	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.42	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.37	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.46	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.15	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		1.0	0.24	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B
1,2-Dichloroethane	ND		2.0	0.66	ug/L	1.00	08/06/09 12:25	TWS	9H06011	8260B

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-15 (SW-1 - Water) - cont.						Sampled: 08/04/09 17:10		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
1,2-Dichloroethane-d4	100 %			Surr Limits: (66-137%)			08/06/09 12:25	TWS	9H06011	8260B
4-Bromofluorobenzene	86 %			Surr Limits: (73-120%)			08/06/09 12:25	TWS	9H06011	8260B
Toluene-d8	93 %			Surr Limits: (71-126%)			08/06/09 12:25	TWS	9H06011	8260B

OR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Analytical Report

Sample	Data									
lyte	Result	Qualifiers	RL	MDL	Units	Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-16 (SW-2 - Water)						Sampled: 08/04/09 17:00		Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1-Trichloroethane	0.86	J	1.0	0.26	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dichloroethane	5.7		1.0	0.38	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dichloroethene	0.49	J	1.0	0.29	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dibromo-3-chloroprop	ND		1.0	0.39	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Hexanone	ND		5.0	1.3	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
2-Pentanone	ND		5.0	1.2	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
2-Pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
2-Pentanone	ND		5.0	1.3	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
2-Pentanone	ND		1.0	0.41	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Dichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	ND		1.0	0.26	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	ND		1.0	0.28	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	ND		1.0	0.19	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	ND		1.0	0.27	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	ND		1.0	0.32	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	ND		1.0	0.32	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	ND		1.0	0.34	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	ND		1.0	0.35	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,2-Dichloroethene	8.8		1.0	0.38	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Hexane	ND		1.0	0.53	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,1-Difluoromethane	ND		1.0	0.29	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Benzene	ND		1.0	0.18	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Propylbenzene	ND		1.0	0.19	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Ethyl Acetate	ND		1.0	0.50	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
tert-Butyl Ether	ND		1.0	0.16	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
3-Ethylcyclohexane	ND		1.0	0.50	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Ethylene Chloride	ND		1.0	0.44	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Heptane	ND		1.0	0.18	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1-Chloroethene	ND		1.0	0.36	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Heptane	ND		1.0	0.51	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,2-Dichloroethene	ND		1.0	0.42	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,2-Dichloroethene	0.65	J	1.0	0.46	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
1,1-Difluoromethane	ND		1.0	0.15	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Formaldehyde	3.0		1.0	0.24	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B
Residuals, total	ND		2.0	0.66	ug/L	1.00	08/06/09 04:01	NMD	9H05059	8260B

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-16 (SW-2 - Water) - cont.						Sampled: 08/04/09 17:00		Recvd: 08/05/09 09:45		
<u>Volatile Organic Compounds by EPA 8260B - cont.</u>										
1,2-Dichloroethane-d4	68 %			Surr Limits: (66-137%)			08/06/09 04:01	NMD	9H05059	8260B
4-Bromofluorobenzene	79 %			Surr Limits: (73-120%)			08/06/09 04:01	NMD	9H05059	8260B
Toluene-d8	97 %			Surr Limits: (71-126%)			08/06/09 04:01	NMD	9H05059	8260B

OR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

Analytical Report

Sample	Data									
Result	Qualifiers	RL	MDL	Units	Dil	Date	Lab	Batch	Method	
					Fac	Analyzed	Tech			
Sample ID: RSH0095-17 (SW-3 - Water)										
					Sampled: 08/04/09 16:50		Recvd: 08/05/09 09:45			
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	0.39	J	1.0	0.26	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,2-Dichloroethane	ND		1.0	0.23	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloroethane	3.7		1.0	0.38	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dibromo-3-chloropropane	ND		1.0	0.39	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dibromoethane	ND		1.0	0.17	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloroethane	ND		1.0	0.21	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloropropane	ND		1.0	0.32	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND		1.0	0.36	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichlorobenzene	ND		1.0	0.39	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Pentanone	ND		5.0	1.3	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Pentanone	ND		5.0	1.2	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Pentyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Pentanone	ND		5.0	1.3	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Pentene	ND		1.0	0.41	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.39	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.26	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.28	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.19	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.27	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.32	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.34	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1-Dichloromethane	ND		1.0	0.35	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloroethene	4.2		1.0	0.38	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,3-Dichloropropane	ND		1.0	0.53	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,1-Trifluoroethane	ND		1.0	0.29	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,1-Trichlorobenzene	ND		1.0	0.18	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichlorobenzene	ND		1.0	0.19	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloroethane	ND		1.0	0.50	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.50	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.44	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.18	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.36	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.51	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.42	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.37	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.46	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		1.0	0.15	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	0.40	J	1.0	0.24	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B
1,1,2-Dichloropropane	ND		2.0	0.66	ug/L	1.00	08/06/09 04:24	NMD	9H05059	8260B

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-17 (SW-3 - Water) - cont.						Sampled: 08/04/09 16:50		Recvd: 08/05/09 09:45		

Volatile Organic Compounds by EPA 8260B - cont.

1,2-Dichloroethane-d4	73 %	Surr Limits: (66-137%)					08/06/09 04:24	NMD	9H05059	8260B
4-Bromofluorobenzene	81 %	Surr Limits: (73-120%)					08/06/09 04:24	NMD	9H05059	8260B
Toluene-d8	95 %	Surr Limits: (71-126%)					08/06/09 04:24	NMD	9H05059	8260B

OR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Analytical Report

Sample	Data				Dil	Date	Lab			
Result	Qualifiers	RL	MDL	Units	Fac	Analyzed	Tech	Batch	Method	
Sample ID: RSH0095-18 (TB-1 - Water)					Sampled: 08/04/09			Recvd: 08/05/09 09:45		
Volatile Organic Compounds by EPA 8260B										
1-Trichloroethane	ND	1.0	0.26	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
2,2-Tetrachloroethane	ND	1.0	0.21	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
2-Trichloroethane	ND	1.0	0.23	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
2-Trichloro-1,2,2-trifluoroethane	ND	1.0	0.31	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dichloroethane	ND	1.0	0.38	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dichloroethene	ND	1.0	0.29	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,4-Dichlorobenzene	ND	1.0	0.41	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dibromo-3-chloroprop	ND	1.0	0.39	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dibromoethane	ND	1.0	0.17	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dichlorobenzene	ND	1.0	0.20	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dichloroethane	ND	1.0	0.21	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dichloropropane	ND	1.0	0.32	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dichlorobenzene	ND	1.0	0.36	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Dichlorobenzene	ND	1.0	0.39	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Hexanone	ND	5.0	1.3	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Hexanone	ND	5.0	1.2	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
2-Ethyl-2-pentanone	ND	5.0	0.91	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Pentanone	ND	5.0	1.3	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
Pentanone	ND	1.0	0.41	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloromethane	ND	1.0	0.39	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.26	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.28	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.19	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.27	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.32	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.32	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.34	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.35	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.38	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.36	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.53	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.29	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.18	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.19	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.50	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.16	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.50	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.44	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.18	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.36	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.51	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.42	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.37	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.46	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.15	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	1.0	0.24	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	
1,1-Dichloroethane	ND	2.0	0.66	ug/L	1.00	08/06/09 04:47	NMD	9H05059	8260B	

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RSH0095-18 (TB-1 - Water) - cont.						Sampled: 08/04/09		Recvd: 08/05/09 09:45		

Volatile Organic Compounds by EPA 8260B - cont.

1,2-Dichloroethane-d4	82 %	Surr Limits: (66-137%)					08/06/09 04:47	NMD	9H05059	8260B
1-Bromofluorobenzene	82 %	Surr Limits: (73-120%)					08/06/09 04:47	NMD	9H05059	8260B
Toluene-d8	93 %	Surr Limits: (71-126%)					08/06/09 04:47	NMD	9H05059	8260B

ECOR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09

Reported: 08/12/09 08:50

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extract	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
60	9H06042	RSH0095-01	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-02	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-03	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-05	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-06	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-07	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-08	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-09	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-10	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H06042	RSH0095-12	40.00	mL	40.00	mL	08/06/09 16:14	JMM	No prep Carbon
60	9H07055	RSH0095-04	40.00	mL	40.00	mL	08/07/09 19:41	MDM	No prep Carbon
60	9H07055	RSH0095-11	40.00	mL	40.00	mL	08/07/09 19:41	MDM	No prep Carbon
60	9H07055	RSH0095-13	40.00	mL	40.00	mL	08/07/09 19:41	MDM	No prep Carbon
60	9H07055	RSH0095-14	40.00	mL	40.00	mL	08/07/09 19:41	MDM	No prep Carbon
Petroleum Organic Compounds by EPA 8260B									
60B	9H05059	RSH0095-01	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-02	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-03	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-04	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-05	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-06	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-07	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-08	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-09	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-10	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-11	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-12	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-13	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-14	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-16	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-17	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H05059	RSH0095-18	5.00	mL	5.00	mL	08/05/09 18:19	NMD	5030B MS
60B	9H06011	RSH0095-05RE	5.00	mL	5.00	mL	08/06/09 11:28	TWS	5030B MS
60B	9H06011	RSH0095-11RE	5.00	mL	5.00	mL	08/06/09 11:28	TWS	5030B MS
60B	9H06011	RSH0095-12RE	5.00	mL	5.00	mL	08/06/09 11:28	TWS	5030B MS
60B	9H06011	RSH0095-13RE	5.00	mL	5.00	mL	08/06/09 11:28	TWS	5030B MS

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095
Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
8260B	9H06011	RSH0095-15	5.00	mL	5.00	mL	08/06/09 11:28	TWS	5030B MS

ECOR Solutions, Inc. - West Chester, PA
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West Chester, PA 19380

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Reported: 08/12/09 08:50

LABORATORY QC DATA

Sample	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Sample Analyzed: 08/05/09 (Lab Number: 9H05059-BLK1, Batch: 9H05059)											
1,1,1-Trichloroethane			1.0	0.26	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1,2,2-Tetrachlorotrifluoroethane			1.0	0.31	ug/L	ND					
1,1-Dichloroethane			1.0	0.38	ug/L	ND					
1,2-Dichloroethane			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND					
1,1-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND					
1,1-Dibromoethane			1.0	0.17	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.20	ug/L	ND					
1,1-Dichloroethane			1.0	0.21	ug/L	ND					
1,1-Dichloropropane			1.0	0.32	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.36	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.39	ug/L	ND					
2-Butanone (MEK)			5.0	1.3	ug/L	ND					
2-Pentanone			5.0	1.2	ug/L	ND					
2-Ethyl-2-pentanone			5.0	0.91	ug/L	ND					
2-Pentanone			5.0	1.3	ug/L	ND					
2,3-Dichlorobenzene			1.0	0.41	ug/L	ND					
1,1-Dichloromethane			1.0	0.39	ug/L	ND					
1,1,1-Trichloroethane			1.0	0.26	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.28	ug/L	ND					
1,2-Dichloroethane			1.0	0.19	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.27	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.32	ug/L	ND					
1,1-Dibromomethane			1.0	0.32	ug/L	ND					
1,2-Dichloroethane			1.0	0.32	ug/L	ND					
1,1,1-Trichloroethane			1.0	0.34	ug/L	ND					
1,1-Dichloromethane			1.0	0.35	ug/L	ND					
1,2-Dichloroethane			1.0	0.38	ug/L	ND					
1,3-Dichloropropene			1.0	0.36	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.53	ug/L	ND					
1,1,1-Trichloroethane			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.18	ug/L	ND					
1,2,4-Trichlorobenzene			1.0	0.19	ug/L	ND					

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Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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Volatile Organic Compounds by EPA 8260B

Blank Analyzed: 08/05/09 (Lab Number: 9H05059-BLK1, Batch: 9H05059)

Methyl Acetate			1.0	0.50	ug/L	ND					
Methyl tert-Butyl Ether			1.0	0.16	ug/L	ND					
Methylcyclohexane			1.0	0.50	ug/L	ND					
Methylene Chloride			1.0	0.44	ug/L	ND					
Styrene			1.0	0.18	ug/L	ND					
Tetrachloroethene			1.0	0.36	ug/L	ND					
Toluene			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.42	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND					
Trichloroethene			1.0	0.46	ug/L	ND					
Trichlorofluoromethane			1.0	0.15	ug/L	ND					
Vinyl chloride			1.0	0.24	ug/L	ND					
Xylenes, total			2.0	0.66	ug/L	ND					

Surrogate: 1,2-Dichloroethane-d4	ug/L	109	66-137
Surrogate: 4-Bromofluorobenzene	ug/L	90	73-120
Surrogate: Toluene-d8	ug/L	98	71-126

LCS Analyzed: 08/05/09 (Lab Number: 9H05059-BS1, Batch: 9H05059)

1,1,1,2-Tetrachloroethane			1.0	0.35	ug/L	ND		76-122		
1,1,1-Trichloroethane			1.0	0.26	ug/L	ND		73-126		
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND		70-126		
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND		76-122		
1,1,2-Trichlorotrifluoroethane			1.0	0.31	ug/L	ND		60-140		
1,1-Dichloroethane			1.0	0.38	ug/L	ND		71-129		
1,1-Dichloroethene	25		1.0	0.29	ug/L	26.2	105	65-138		
1,1-Dichloropropene			1.0	0.18	ug/L	ND		72-122		
1,2,3-Trichlorobenzene			1.0	0.39	ug/L	0.400		64-121		J
1,2,3-Trichloropropane			1.0	0.16	ug/L	ND		68-131		
1,2,4-Trichlorobenzene			1.0	0.41	ug/L	ND		70-122		
1,2,4-Trimethylbenzene			1.0	0.33	ug/L	ND		76-121		
1,2-Dibromo-3-chloropropane			1.0	0.39	ug/L	ND		56-134		
1,2-Dibromoethane (EDB)			1.0	0.17	ug/L	ND		77-120		
1,2-Dichlorobenzene			1.0	0.20	ug/L	ND		77-120		
1,2-Dichloroethane			1.0	0.21	ug/L	ND		75-127		
1,2-Dichloroethene, Total			2.0	0.70	ug/L	ND		72-124		

TestAmerica Buffalo

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OR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

LABORATORY QC DATA

Sample	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>volatile Organic Compounds by EPA 8260B</u>											
5 Analyzed: 08/05/09 (Lab Number:9H05059-BS1, Batch: 9H05059)											
Dichloropropane			1.0	0.32	ug/L	ND		76-120			
1,3,5-Trimethylbenzene			1.0	0.22	ug/L	ND		77-121			
Dichlorobenzene			1.0	0.36	ug/L	ND		77-120			
Dichloropropane			1.0	0.21	ug/L	ND		75-120			
Dichlorobenzene			1.0	0.39	ug/L	ND		75-120			
Dichloropropane			1.0	0.40	ug/L	ND		63-136			
2-Pentanone (MEK)			5.0	1.3	ug/L	ND		57-140			
1-Toluenolene			1.0	0.20	ug/L	ND		76-121			
2-Pentanone			5.0	1.2	ug/L	ND		65-127			
1-Toluenolene			1.0	0.45	ug/L	ND					
1-Toluenolene			1.0	0.37	ug/L	ND		77-121			
2-Propyltoluene			1.0	0.31	ug/L	ND		73-120			
2-Ethyl-2-pentanone (K)			5.0	0.91	ug/L	ND		71-125			
2-Pentanone			5.0	1.3	ug/L	ND		56-142			
Acetonitrile			40	19	ug/L	ND		60-140			
Acetone			20	5.5	ug/L	ND		60-140			
Acetonitrile			5.0	0.83	ug/L	ND		63-138			
Chloride			1.0	0.17	ug/L	ND		60-140			
2-Pentanone		25	1.0	0.41	ug/L	26.4	106	71-124			
1-Toluenolene			1.0	0.17	ug/L	ND		78-120			
1-Chloromethane			1.0	0.39	ug/L	ND		72-130			
1-Dichloromethane			1.0	0.39	ug/L	ND		80-122			
1-Form			1.0	0.26	ug/L	ND		66-128			
1-Methane			1.0	0.28	ug/L	ND		36-150			
1-On disulfide			1.0	0.19	ug/L	ND		59-134			
1-On Tetrachloride			1.0	0.27	ug/L	ND		72-134			
1-Toluenolene		25	1.0	0.32	ug/L	24.3	97	72-120			
1-Dibromomethane			1.0	0.32	ug/L	ND		75-125			
1-Ethane			1.0	0.32	ug/L	ND		69-136			
1-Form			1.0	0.34	ug/L	ND		73-127			
1-Methane			1.0	0.35	ug/L	ND		49-142			
1-Opene			1.0	0.18	ug/L	ND		60-140			
2-Dichloroethene			1.0	0.38	ug/L	ND		74-124			
3-Dichloropropene			1.0	0.36	ug/L	ND		74-124			
1-Hexane			1.0	0.53	ug/L	ND		70-130			
1-Momethane			1.0	0.41	ug/L	ND		76-127			
1-Difluoromethane			1.0	0.29	ug/L	ND		33-157			

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ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
<u>Volatile Organic Compounds by EPA 8260B</u>											
LCS Analyzed: 08/05/09 (Lab Number: 9H05059-BS1, Batch: 9H05059)											
Ethyl Methacrylate			1.0	0.26	ug/L	ND		60-140			
Ethyl tert-Butyl Ether			1.0	0.29	ug/L	ND		75-125			
Ethylbenzene			1.0	0.18	ug/L	ND		77-123			
Hexachlorobutadiene			1.0	0.28	ug/L	ND		62-124			
Iodomethane			1.0	0.32	ug/L	ND		52-151			
Isobutanol			40	20	ug/L	ND		60-140			
Isopropyl ether			1.0	0.17	ug/L	ND		75-125			
Isopropylbenzene			1.0	0.19	ug/L	ND		77-122			
Methacrylonitrile			5.0	0.12	ug/L	ND		60-140			
Methyl Acetate			1.0	0.50	ug/L	ND		60-140			
Methyl Methacrylate			1.0	0.14	ug/L	ND		60-140			
Methyl tert-Butyl Ether			1.0	0.16	ug/L	ND		64-127			
Methylcyclohexane			1.0	0.50	ug/L	ND		60-140			
Methylene Chloride			1.0	0.44	ug/L	2.17		57-132			
m-Xylene & p-Xylene			2.0	0.66	ug/L	ND		76-122			
Naphthalene			1.0	0.43	ug/L	0.680		54-140			J
n-Butylbenzene			1.0	0.28	ug/L	ND		71-128			
n-Propylbenzene			1.0	0.18	ug/L	ND		77-120			
o-Xylene			1.0	0.36	ug/L	ND		76-122			
Propionitrile			10	1.9	ug/L	ND		60-140			
sec-Butylbenzene			1.0	0.30	ug/L	ND		74-127			
Styrene			1.0	0.18	ug/L	ND		70-130			
t-Amyl alcohol			1.0	1.0	ug/L	ND		75-125			
t-Butanol			20	3.6	ug/L	ND		75-125			
Tert-Amyl Methyl Ether			1.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene			1.0	0.30	ug/L	ND		75-123			
Tetrachloroethene			1.0	0.36	ug/L	ND		74-122			
Toluene		25	1.0	0.51	ug/L	25.1	100	70-122			
trans-1,2-Dichloroethene			1.0	0.42	ug/L	ND		73-127			
trans-1,3-Dichloropropene			1.0	0.37	ug/L	ND		72-123			
trans-1,4-Dichloro-2-butene			5.0	2.1	ug/L	ND		38-155			
Trichloroethene		25	1.0	0.46	ug/L	26.3	105	74-123			
Trichlorofluoromethane			1.0	0.15	ug/L	ND		62-152			
Vinyl acetate			5.0	0.85	ug/L	ND		50-144			
Vinyl chloride			1.0	0.24	ug/L	ND		65-133			
Xylenes, total			2.0	0.66	ug/L	ND		76-122			

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Work Order: RSH0095
Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
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LABORATORY QC DATA

alyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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atile Organic Compounds by EPA 8260B

Analized: 08/05/09 (Lab Number:9H05059-BS1, Batch: 9H05059)

ogate:					ug/L		111	66-137			
Dichloroethane-d4											
ogate:					ug/L		91	73-120			
omofluorobenzene											
ogate: Toluene-d8					ug/L		97	71-126			

atile Organic Compounds by EPA 8260B

nk Analyzed: 08/06/09 (Lab Number:9H06011-BLK1, Batch: 9H06011)

1-Trichloroethane	1.0	0.26	ug/L	ND
2,2-Tetrachloroethane	1.0	0.21	ug/L	ND
2-Trichloroethane	1.0	0.23	ug/L	ND
2-Trichlorotrifluoroeth	1.0	0.31	ug/L	ND
Dichloroethane	1.0	0.38	ug/L	ND
Dichloroethene	1.0	0.29	ug/L	ND
1-Trichlorobenzene	1.0	0.41	ug/L	ND
Dibromo-3-chloroprop	1.0	0.39	ug/L	ND
Dibromoethane	1.0	0.17	ug/L	ND
B)				
Dichlorobenzene	1.0	0.20	ug/L	ND
Dichloroethane	1.0	0.21	ug/L	ND
Dichloropropane	1.0	0.32	ug/L	ND
Dichlorobenzene	1.0	0.36	ug/L	ND
Dichlorobenzene	1.0	0.39	ug/L	ND
itanone (MEK)	5.0	1.3	ug/L	ND
axanone	5.0	1.2	ug/L	ND
ethyl-2-pentanone	5.0	0.91	ug/L	ND
IK)				
one	5.0	1.3	ug/L	ND
zene	1.0	0.41	ug/L	ND
nodichloromethane	1.0	0.39	ug/L	ND
noform	1.0	0.26	ug/L	ND
nomethane	1.0	0.28	ug/L	ND
ion disulfide	1.0	0.19	ug/L	ND
ion Tetrachloride	1.0	0.27	ug/L	ND
robenzene	1.0	0.32	ug/L	ND
rodibromomethane	1.0	0.32	ug/L	ND
roethane	1.0	0.32	ug/L	ND
roform	1.0	0.34	ug/L	ND

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Reported: 08/12/09 08:50

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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Volatile Organic Compounds by EPA 8260B

Blank Analyzed: 08/06/09 (Lab Number:9H06011-BLK1, Batch: 9H06011)

Chloromethane	1.0	0.35	ug/L	ND
cis-1,2-Dichloroethene	1.0	0.38	ug/L	ND
cis-1,3-Dichloropropene	1.0	0.36	ug/L	ND
Cyclohexane	1.0	0.53	ug/L	ND
Dichlorodifluoromethane	1.0	0.29	ug/L	ND
Ethylbenzene	1.0	0.18	ug/L	ND
Isopropylbenzene	1.0	0.19	ug/L	ND
Methyl Acetate	1.0	0.50	ug/L	ND
Methyl tert-Butyl Ether	1.0	0.16	ug/L	ND
Methylcyclohexane	1.0	0.50	ug/L	ND
Methylene Chloride	1.0	0.44	ug/L	ND
Styrene	1.0	0.18	ug/L	ND
Tetrachloroethene	1.0	0.36	ug/L	ND
Toluene	1.0	0.51	ug/L	ND
trans-1,2-Dichloroethene	1.0	0.42	ug/L	ND
trans-1,3-Dichloropropene	1.0	0.37	ug/L	ND
Trichloroethene	1.0	0.46	ug/L	ND
Trichlorofluoromethane	1.0	0.15	ug/L	ND
Vinyl chloride	1.0	0.24	ug/L	ND
Xylenes, total	2.0	0.66	ug/L	ND

Surrogate:	ug/L	94	66-137
1,2-Dichloroethane-d4	ug/L	85	73-120
Surrogate:	ug/L	93	71-126
4-Bromofluorobenzene	ug/L		
Surrogate: Toluene-d8	ug/L		

LCS Analyzed: 08/06/09 (Lab Number:9H06011-BS1, Batch: 9H06011)

1,1,1,2-Tetrachloroethane	25	1.0	0.35	ug/L	23.8	95	76-122	
1,1,1-Trichloroethane	25	1.0	0.26	ug/L	26.6	107	73-126	
1,1,2,2-Tetrachloroethane	25	1.0	0.21	ug/L	20.3	81	70-126	
1,1,2-Trichloroethane	25	1.0	0.23	ug/L	19.3	77	76-122	
1,1,2-Trichlorotrifluoroethane	25	1.0	0.31	ug/L	13.2	53	60-140	L2
1,1-Dichloroethane	25	1.0	0.38	ug/L	25.1	101	71-129	
1,1-Dichloroethene	25	1.0	0.29	ug/L	24.6	98	65-138	
1,1-Dichloropropene	25	1.0	0.18	ug/L	24.8	99	72-122	
1,2,3-Trichlorobenzene	25	1.0	0.39	ug/L	6.83	27	64-121	L2
1,2,3-Trichloropropane	25	1.0	0.16	ug/L	16.3	65	68-131	L2
1,2,4-Trichlorobenzene	25	1.0	0.41	ug/L	11.6	47	70-122	L2

TestAmerica Buffalo

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OR Solutions, Inc. - West Chester, PA
75 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095
Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

Received: 08/05/09
Reported: 08/12/09 08:50

LABORATORY QC DATA

analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
volatile Organic Compounds by EPA 8260B											
3 Analyzed: 08/06/09 (Lab Number:9H06011-BS1, Batch: 9H06011)											
4-Trimethylbenzene		25	1.0	0.33	ug/L	26.4	106	76-121			
Dibromo-3-chloroprop		25	1.0	0.39	ug/L	13.3	53	56-134			L2
Dibromoethane		25	1.0	0.17	ug/L	18.4	74	77-120			L2
B)											
Dichlorobenzene		25	1.0	0.20	ug/L	21.8	87	77-120			
Dichloroethane		25	1.0	0.21	ug/L	22.8	91	75-127			
Dichloroethene, Total		50	2.0	0.70	ug/L	48.9	98	72-124			
Dichloropropane		25	1.0	0.32	ug/L	23.9	95	76-120			
5-Trimethylbenzene		25	1.0	0.22	ug/L	26.0	104	77-121			
Dichlorobenzene		25	1.0	0.36	ug/L	23.5	94	77-120			
Dichloropropane		25	1.0	0.21	ug/L	19.0	76	75-120			
Dichlorobenzene		25	1.0	0.39	ug/L	23.0	92	75-120			
Dichloropropane		25	1.0	0.40	ug/L	30.9	124	63-136			
utanone (MEK)		120	5.0	1.3	ug/L	68.6	55	57-140			L2
hlorotoluene		25	1.0	0.20	ug/L	24.5	98	76-121			
exanone		120	5.0	1.2	ug/L	69.6	56	65-127			L2
hlorotoluene			1.0	0.45	ug/L	ND					
hlorotoluene		25	1.0	0.37	ug/L	23.8	95	77-121			
opropyltoluene		25	1.0	0.31	ug/L	24.1	97	73-120			
ethyl-2-pentanone		120	5.0	0.91	ug/L	72.6	58	71-125			L2
3K)											
tone		120	5.0	1.3	ug/L	67.7	54	56-142			L2
tonitrile		1000	40	19	ug/L	517	52	60-140			L2
olein		500	20	5.5	ug/L	193	39	60-140			L2
ylonitrile		120	5.0	0.83	ug/L	78.3	63	63-138			
l chloride			1.0	0.17	ug/L	ND		60-140			
izene		25	1.0	0.41	ug/L	24.4	97	71-124			
mobenzene		25	1.0	0.17	ug/L	22.6	90	78-120			
mochloromethane		25	1.0	0.39	ug/L	21.4	86	72-130			
modichloromethane		25	1.0	0.39	ug/L	23.8	95	80-122			
moform		25	1.0	0.26	ug/L	16.6	66	66-128			
momethane		25	1.0	0.28	ug/L	39.9	160	36-150			L1
bon disulfide		25	1.0	0.19	ug/L	14.6	58	59-134			L2
bon Tetrachloride		25	1.0	0.27	ug/L	23.7	95	72-134			
robenezene		25	1.0	0.32	ug/L	21.6	86	72-120			
rodibromomethane		25	1.0	0.32	ug/L	19.2	77	75-125			
roethane		25	1.0	0.32	ug/L	28.4	113	69-136			
roform		25	1.0	0.34	ug/L	25.6	103	73-127			

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Project Number: ECOR

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 08/06/09 (Lab Number: 9H06011-BS1, Batch: 9H06011)											
Chloromethane		25	1.0	0.35	ug/L	26.4	106	49-142			
Chloroprene			1.0	0.18	ug/L	ND		60-140			
cis-1,2-Dichloroethene		25	1.0	0.38	ug/L	24.4	98	74-124			
cis-1,3-Dichloropropene		25	1.0	0.36	ug/L	23.7	95	74-124			
Cyclohexane		25	1.0	0.53	ug/L	16.2	65	70-130			L2
Dibromomethane		25	1.0	0.41	ug/L	21.3	85	76-127			
Dichlorodifluoromethane		25	1.0	0.29	ug/L	22.8	91	33-157			
Ethyl Methacrylate		25	1.0	0.26	ug/L	15.1	60	60-140			
Ethyl tert-Butyl Ether			1.0	0.29	ug/L	ND		75-125			
Ethylbenzene		25	1.0	0.18	ug/L	22.9	92	77-123			
Hexachlorobutadiene		25	1.0	0.28	ug/L	15.3	61	62-124			L2
Iodomethane		25	1.0	0.32	ug/L	13.1	52	52-151			
Isobutanol			40	20	ug/L	ND		60-140			
Isopropyl ether			1.0	0.17	ug/L	ND		75-125			
Isopropylbenzene		25	1.0	0.19	ug/L	25.4	102	77-122			
Methacrylonitrile			5.0	0.12	ug/L	ND		60-140			
Methyl Acetate		25	1.0	0.50	ug/L	19.1	77	60-140			
Methyl Methacrylate			1.0	0.14	ug/L	ND		60-140			
Methyl tert-Butyl Ether		25	1.0	0.16	ug/L	20.0	80	64-127			
Methylcyclohexane		25	1.0	0.50	ug/L	17.3	69	60-140			
Methylene Chloride		25	1.0	0.44	ug/L	23.9	96	57-132			
m-Xylene & p-Xylene		50	2.0	0.66	ug/L	45.0	90	76-122			
Naphthalene		25	1.0	0.43	ug/L	6.97	28	54-140			L2
n-Butylbenzene		25	1.0	0.28	ug/L	24.6	99	71-128			
n-Propylbenzene		25	1.0	0.18	ug/L	24.8	99	77-120			
o-Xylene		25	1.0	0.36	ug/L	23.0	92	76-122			
Propionitrile			10	1.9	ug/L	ND		60-140			
sec-Butylbenzene		25	1.0	0.30	ug/L	26.4	106	74-127			
Styrene		25	1.0	0.18	ug/L	26.5	106	70-130			
t-Amyl alcohol			1.0	1.0	ug/L	ND		75-125			
t-Butanol			20	3.6	ug/L	ND		75-125			
Tert-Amyl Methyl Ether			1.0	0.27	ug/L	ND		75-125			
tert-Butylbenzene		25	1.0	0.30	ug/L	23.8	95	75-123			
Tetrachloroethene		25	1.0	0.36	ug/L	19.9	79	74-122			
Toluene		25	1.0	0.51	ug/L	22.2	89	70-122			
trans-1,2-Dichloroethene		25	1.0	0.42	ug/L	24.4	98	73-127			
trans-1,3-Dichloropropene		25	1.0	0.37	ug/L	19.7	79	72-123			

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Project Number: ECOR

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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Stable Organic Compounds by EPA 8260B

Sample Analyzed: 08/06/09 (Lab Number: 9H06011-BS1, Batch: 9H06011)

s-1,4-Dichloro-2-bute		120	5.0	2.1	ug/L	69.8	56	38-155			
chloroethene		25	1.0	0.46	ug/L	24.6	98	74-123			
chlorofluoromethane		25	1.0	0.15	ug/L	24.1	96	62-152			
/l acetate		120	5.0	0.85	ug/L	68.7	55	50-144			
/l chloride		25	1.0	0.24	ug/L	27.3	109	65-133			
enes, total		75	2.0	0.66	ug/L	68.0	91	76-122			
rogate:					ug/L		94	66-137			
Dichloroethane-d4					ug/L		88	73-120			
romofluorobenzene					ug/L		92	71-126			
rogate: Toluene-d8					ug/L						

Matrix Spike Analyzed: 08/06/09 (Lab Number: 9H06011-MS1, Batch: 9H06011)

Source Sample: RSH0095-05RE1

1,2-Tetrachloroethane	ND		200	70	ug/L	ND		76-122			D08
1-Trichloroethane	2310		200	53	ug/L	2030		73-126			D08
2,2-Tetrachloroethane	ND		200	43	ug/L	ND		70-126			D08
2-Trichloroethane	ND		200	46	ug/L	ND		76-122			D08
2-Trichlorotrifluoroeth	ND		200	62	ug/L	ND		60-140			D08
Dichloroethane	1470		200	77	ug/L	1390		71-129			D08
Dichloroethene	400	5000	200	59	ug/L	5660	105	65-138			D08
Dichloropropene	ND		200	35	ug/L	ND		72-122			D08
3-Trichlorobenzene	ND		200	78	ug/L	ND		64-121			D08
3-Trichloropropane	ND		200	32	ug/L	ND		68-131			D08
4-Trichlorobenzene	ND		200	82	ug/L	ND		70-122			D08
4-Trimethylbenzene	ND		200	65	ug/L	ND		76-121			D08
Dibromo-3-chloroprop	ND		200	79	ug/L	ND		56-134			D08
Dibromoethane	ND		200	33	ug/L	ND		77-120			D08
B)											
Dichlorobenzene	ND		200	41	ug/L	ND		77-120			D08
Dichloroethane	ND		200	43	ug/L	ND		75-127			D08
Dichloroethene, Total	10300		400	140	ug/L	9700		72-124			D08
Dichloropropane	ND		200	65	ug/L	ND		76-120			D08
5-Trimethylbenzene	ND		200	44	ug/L	ND		77-121			D08
Dichlorobenzene	ND		200	71	ug/L	ND		77-120			D08
Dichloropropane	ND		200	43	ug/L	ND		75-120			D08
Dichlorobenzene	ND		200	78	ug/L	ND		75-120			D08
Dichloropropane	ND		200	80	ug/L	ND		63-136			D08

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West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Analyzed: 08/06/09 (Lab Number:9H06011-MS1, Batch: 9H06011)											
QC Source Sample: RSH0095-05RE1											
2-Butanone (MEK)	ND		1000	260	ug/L	ND		57-140			D08
2-Chlorotoluene	ND		200	40	ug/L	ND		76-121			D08
2-Hexanone	ND		1000	250	ug/L	ND		65-127			D08
3-Chlorotoluene	ND		200	89	ug/L	ND					D08
4-Chlorotoluene	ND		200	73	ug/L	ND		77-121			D08
4-Isopropyltoluene	ND		200	62	ug/L	ND		73-120			D08
4-Methyl-2-pentanone (MIBK)	ND		1000	180	ug/L	ND		71-125			D08
Acetone	ND		1000	270	ug/L	ND		56-142			D08
Acetonitrile	ND		8000	3800	ug/L	ND		60-140			D08
Acrolein	ND		4000	1100	ug/L	ND		60-140			D08
Acrylonitrile	ND		1000	170	ug/L	ND		63-138			D08
Allyl chloride	ND		200	35	ug/L	ND		60-140			D08
Benzene	ND	5000	200	82	ug/L	5510	110	71-124			D08
Bromobenzene	ND		200	34	ug/L	ND		78-120			D08
Bromochloromethane	ND		200	77	ug/L	ND		72-130			D08
Bromodichloromethane	ND		200	77	ug/L	ND		80-122			D08
Bromoform	ND		200	51	ug/L	ND		66-128			D08
Bromomethane	ND		200	56	ug/L	ND		36-150			D08
Carbon disulfide	ND		200	39	ug/L	ND		59-134			D08
Carbon Tetrachloride	ND		200	53	ug/L	ND		72-134			D08
Chlorobenzene	ND	5000	200	63	ug/L	4880	98	72-120			D08
Chlorodibromomethane	ND		200	64	ug/L	ND		75-125			D08
Chloroethane	ND		200	65	ug/L	ND		69-136			D08
Chloroform	ND		200	67	ug/L	ND		73-127			D08
Chloromethane	ND		200	69	ug/L	ND		49-142			D08
Chloroprene	ND		200	36	ug/L	ND		60-140			D08
cis-1,2-Dichloroethene	10200		200	77	ug/L	9600		74-124			D08
cis-1,3-Dichloropropene	ND		200	71	ug/L	ND		74-124			D08
Cyclohexane	ND		200	110	ug/L	ND		70-130			D08
Dibromomethane	ND		200	81	ug/L	ND		76-127			D08
Dichlorodifluoromethane	ND		200	57	ug/L	ND		33-157			D08
Ethyl Methacrylate	ND		200	52	ug/L	ND		60-140			D08
Ethyl tert-Butyl Ether	ND		200	59	ug/L	ND		75-125			D08
Ethylbenzene	ND		200	37	ug/L	ND		77-123			D08
Hexachlorobutadiene	ND		200	56	ug/L	ND		62-124			D08
Iodomethane	ND		200	65	ug/L	ND		52-151			D08

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LABORATORY QC DATA

alyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
atile Organic Compounds by EPA 8260B											
atrix Spike Analyzed: 08/06/09 (Lab Number:9H06011-MS1, Batch: 9H06011)											
Source Sample: RSH0095-05RE1											
utanol	ND		8000	4000	ug/L	ND		60-140			D08
ropyl ether	ND		200	34	ug/L	ND		75-125			D08
ropylbenzene	ND		200	39	ug/L	ND		77-122			D08
hacrylonitrile	ND		1000	25	ug/L	ND		60-140			D08
hyl Acetate	ND		200	100	ug/L	ND		60-140			D08
hyl Methacrylate	ND		200	28	ug/L	ND		60-140			D08
hyl tert-Butyl Ether	ND		200	32	ug/L	ND		64-127			D08
hylcyclohexane	ND		200	99	ug/L	ND		60-140			D08
hylene Chloride	656		200	88	ug/L	ND		57-132			D08
ylene & p-Xylene	ND		400	130	ug/L	ND		76-122			D08
hthalene	ND		200	87	ug/L	ND		54-140			D08
utylbenzene	ND		200	57	ug/L	ND		71-128			D08
ropylbenzene	ND		200	37	ug/L	ND		77-120			D08
ylene	ND		200	72	ug/L	ND		76-122			D08
pionitrile	ND		2000	380	ug/L	ND		60-140			D08
-Butylbenzene	ND		200	61	ug/L	ND		74-127			D08
rene	ND		200	37	ug/L	ND		70-130			D08
nyl alcohol	ND		200	200	ug/L	ND		75-125			D08
utanol	ND		4000	720	ug/L	ND		75-125			D08
t-Amyl Methyl Ether	ND		200	55	ug/L	ND		75-125			D08
-Butylbenzene	ND		200	61	ug/L	ND		75-123			D08
rachloroethene	ND		200	73	ug/L	ND		74-122			D08
uene	ND	5000	200	100	ug/L	5150	103	70-122			D08
is-1,2-Dichloroethene	118		200	84	ug/L	104		73-127			D08,J
is-1,3-Dichloropropen	ND		200	74	ug/L	ND		72-123			D08
is-1,4-Dichloro-2-bute	ND		1000	420	ug/L	ND		38-155			D08
hloroethene	ND	5000	200	92	ug/L	5490	110	74-123			D08
hlorofluoromethane	ND		200	30	ug/L	ND		62-152			D08
yl acetate	ND		1000	170	ug/L	ND		50-144			D08
yl chloride	598		200	49	ug/L	496		65-133			D08
enes, total	ND		400	130	ug/L	ND		76-122			D08
rogate:					ug/L		100	66-137			D08
-Dichloroethane-d4					ug/L		83	73-120			D08
rogate:					ug/L						
lromofluorobenzene					ug/L		94	71-126			D08
rogate: Toluene-d8					ug/L						

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 08/06/09 (Lab Number:9H06011-MSD1, Batch: 9H06011)											
QC Source Sample: RSH0095-05RE1											
1,1,1,2-Tetrachloroethane	ND		200	70	ug/L	ND		76-122		20	D08
1,1,1-Trichloroethane	2310		200	53	ug/L	1970		73-126	3	15	D08
1,1,2,2-Tetrachloroethane	ND		200	43	ug/L	ND		70-126		15	D08
1,1,2-Trichloroethane	ND		200	46	ug/L	ND		76-122		15	D08
1,1,2-Trichlorotrifluoroethane	ND		200	62	ug/L	ND		60-140		20	D08
1,1-Dichloroethane	1470		200	77	ug/L	1330		71-129	4	20	D08
1,1-Dichloroethene	400	5000	200	59	ug/L	5560	103	65-138	2	16	D08
1,1-Dichloropropene	ND		200	35	ug/L	ND		72-122		20	D08
1,2,3-Trichlorobenzene	ND		200	78	ug/L	ND		64-121		20	D08
1,2,3-Trichloropropane	ND		200	32	ug/L	ND		68-131		14	D08
1,2,4-Trichlorobenzene	ND		200	82	ug/L	ND		70-122		20	D08
1,2,4-Trimethylbenzene	ND		200	65	ug/L	ND		76-121		20	D08
1,2-Dibromo-3-chloropropane	ND		200	79	ug/L	ND		56-134		15	D08
1,2-Dibromoethane (EDB)	ND		200	33	ug/L	ND		77-120		15	D08
1,2-Dichlorobenzene	ND		200	41	ug/L	ND		77-120		20	D08
1,2-Dichloroethane	ND		200	43	ug/L	ND		75-127		20	D08
1,2-Dichloroethene, Total	10300		400	140	ug/L	9400		72-124	3	20	D08
1,2-Dichloropropane	ND		200	65	ug/L	ND		76-120		20	D08
1,3,5-Trimethylbenzene	ND		200	44	ug/L	ND		77-121		20	D08
1,3-Dichlorobenzene	ND		200	71	ug/L	ND		77-120		20	D08
1,3-Dichloropropane	ND		200	43	ug/L	ND		75-120		20	D08
1,4-Dichlorobenzene	ND		200	78	ug/L	ND		75-120		20	D08
2,2-Dichloropropane	ND		200	80	ug/L	ND		63-136		20	D08
2-Butanone (MEK)	ND		1000	260	ug/L	ND		57-140		20	D08
2-Chlorotoluene	ND		200	40	ug/L	ND		76-121		20	D08
2-Hexanone	ND		1000	250	ug/L	ND		65-127		15	D08
3-Chlorotoluene	ND		200	89	ug/L	ND					D08
4-Chlorotoluene	ND		200	73	ug/L	ND		77-121		15	D08
4-Isopropyltoluene	ND		200	62	ug/L	ND		73-120		20	D08
4-Methyl-2-pentanone (MIBK)	ND		1000	180	ug/L	ND		71-125		35	D08
Acetone	ND		1000	270	ug/L	ND		56-142		15	D08
Acetonitrile	ND		8000	3800	ug/L	ND		60-140		20	D08
Acrolein	ND		4000	1100	ug/L	ND		60-140		20	D08
Acrylonitrile	ND		1000	170	ug/L	ND		63-138		20	D08

DR Solutions, Inc. - West Chester, PA
5 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09
Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Stable Organic Compounds by EPA 8260B											
Matrix Spike Dup Analyzed: 08/06/09 (Lab Number: 9H06011-MSD1, Batch: 9H06011)											
Source Sample: RSH0095-05RE1											
chloride	ND		200	35	ug/L	ND		60-140		20	D08
benzene	ND	5000	200	82	ug/L	5320	106	71-124	3	13	D08
nobenzene	ND		200	34	ug/L	ND		78-120		15	D08
monochloromethane	ND		200	77	ug/L	ND		72-130		15	D08
monodichloromethane	ND		200	77	ug/L	ND		80-122		15	D08
monochloroform	ND		200	51	ug/L	ND		66-128		15	D08
monomethane	ND		200	56	ug/L	ND		36-150		15	D08
monosulfide	ND		200	39	ug/L	ND		59-134		15	D08
monotetrachloride	ND		200	53	ug/L	ND		72-134		15	D08
monobenzene	ND	5000	200	63	ug/L	4790	96	72-120	2	25	D08
monobromomethane	ND		200	64	ug/L	ND		75-125		15	D08
monopropane	ND		200	65	ug/L	ND		69-136		15	D08
monopropane	ND		200	67	ug/L	ND		73-127		20	D08
monopropane	ND		200	69	ug/L	ND		49-142		15	D08
monopropene	ND		200	36	ug/L	ND		60-140		20	D08
1,2-Dichloroethene	10200		200	77	ug/L	9300		74-124	3	15	D08
1,3-Dichloropropene	ND		200	71	ug/L	ND		74-124		15	D08
monohexane	ND		200	110	ug/L	ND		70-130		20	D08
monomethane	ND		200	81	ug/L	ND		76-127		15	D08
monodifluoromethane	ND		200	57	ug/L	ND		33-157		20	D08
monomethyl Methacrylate	ND		200	52	ug/L	ND		60-140		20	D08
monotert-Butyl Ether	ND		200	59	ug/L	ND		75-125		15	D08
monobenzene	ND		200	37	ug/L	ND		77-123		15	D08
monochlorobutadiene	ND		200	56	ug/L	ND		62-124		20	D08
monomethane	ND		200	65	ug/L	ND		52-151		20	D08
monutanol	ND		8000	4000	ug/L	ND		60-140		20	D08
monopropyl ether	ND		200	34	ug/L	ND		75-125		15	D08
monopropylbenzene	ND		200	39	ug/L	ND		77-122		20	D08
monacrylonitrile	ND		1000	25	ug/L	ND		60-140		20	D08
monohyl Acetate	ND		200	100	ug/L	ND		60-140		20	D08
monohyl Methacrylate	ND		200	28	ug/L	ND		60-140		20	D08
monohyl tert-Butyl Ether	ND		200	32	ug/L	ND		64-127		37	D08
monohylcyclohexane	ND		200	99	ug/L	ND		60-140		20	D08
monohylene Chloride	656		200	88	ug/L	122		57-132		15	D08,J
monohylene & p-Xylene	ND		400	130	ug/L	ND		76-122		16	D08
monohthalene	ND		200	87	ug/L	ND		54-140		20	D08
monohutylbenzene	ND		200	57	ug/L	ND		71-128		15	D08

estAmerica Buffalo

100 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

www.testamericainc.com

ECOR Solutions, Inc. - West Chester, PA
1075 Andrews Drive Suite 1
West Chester, PA 19380

Work Order: RSH0095

Received: 08/05/09

Reported: 08/12/09 08:50

Project: FORMER MONARCH CHEMICAL

Project Number: ECOR

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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Volatile Organic Compounds by EPA 8260B

Matrix Spike Dup Analyzed: 08/06/09 (Lab Number: 9H06011-MSD1, Batch: 9H06011)

QC Source Sample: RSH0095-05RE1

n-Propylbenzene	ND		200	37	ug/L	ND		77-120		15	D08
o-Xylene	ND		200	72	ug/L	ND		76-122		16	D08
Propionitrile	ND		2000	380	ug/L	ND		60-140		20	D08
sec-Butylbenzene	ND		200	61	ug/L	ND		74-127		15	D08
Styrene	ND		200	37	ug/L	ND		70-130		20	D08
t-Amyl alcohol	ND		200	200	ug/L	ND		75-125		15	D08
t-Butanol	ND		4000	720	ug/L	ND		75-125		15	D08
Tert-Amyl Methyl Ether	ND		200	55	ug/L	ND		75-125		15	D08
tert-Butylbenzene	ND		200	61	ug/L	ND		75-123		15	D08
Tetrachloroethene	ND		200	73	ug/L	ND		74-122		20	D08
Toluene	ND	5000	200	100	ug/L	4970	99	70-122	4	15	D08
trans-1,2-Dichloroethene	118		200	84	ug/L	100		73-127	4	20	D08,J
trans-1,3-Dichloropropene	ND		200	74	ug/L	ND		72-123		15	D08
trans-1,4-Dichloro-2-butene	ND		1000	420	ug/L	ND		38-155		20	D08
Trichloroethene	ND	5000	200	92	ug/L	5290	106	74-123	4	16	D08
Trichlorofluoromethane	ND		200	30	ug/L	ND		62-152		20	D08
Vinyl acetate	ND		1000	170	ug/L	ND		50-144		23	D08
Vinyl chloride	598		200	49	ug/L	514		65-133	4	15	D08
Xylenes, total	ND		400	130	ug/L	ND		76-122		16	D08

Surrogate:					ug/L		102	66-137			D08
1,2-Dichloroethane-d4					ug/L		85	73-120			D08
Surrogate:					ug/L						
4-Bromofluorobenzene					ug/L		93	71-126			D08
Surrogate: Toluene-d8					ug/L						

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Work Order: RSH0095

Received: 08/05/09

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Project: FORMER MONARCH CHEMICAL
Project Number: ECOR

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
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General Chemistry Parameters

Blank Analyzed: 08/06/09 (Lab Number:9H06042-BLK1, Batch: 9H06042)

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Organic Carbon			1.0	NR	mg/L	ND					

Blank Analyzed: 08/06/09 (Lab Number:9H06042-BS1, Batch: 9H06042)

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Organic Carbon		60.0	1.0	NR	mg/L	56.3	94	90-110			

Duplicate Analyzed: 08/06/09 (Lab Number:9H06042-DUP1, Batch: 9H06042)

Source Sample: RSH0095-03

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Organic Carbon	11.0		1.0	NR	mg/L	11.3			2	20	

Duplicate Analyzed: 08/06/09 (Lab Number:9H06042-DUP2, Batch: 9H06042)

Source Sample: RSH0095-09

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Organic Carbon	3.12		1.0	NR	mg/L	3.11			0.4	20	

Matrix Spike Analyzed: 08/06/09 (Lab Number:9H06042-MS2, Batch: 9H06042)

Source Sample: RSH0095-10

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Organic Carbon	3.96	20.0	1.0	NR	mg/L	22.9	95	54-131			

General Chemistry Parameters

Blank Analyzed: 08/07/09 (Lab Number:9H07055-BLK1, Batch: 9H07055)

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Organic Carbon			1.0	NR	mg/L	ND					

Blank Analyzed: 08/07/09 (Lab Number:9H07055-BS1, Batch: 9H07055)

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Organic Carbon		60.0	1.0	NR	mg/L	56.2	94	90-110			

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client ECOR Solutions, Inc.		Project Manager K. Rapp		Date 8/3-8/4/09	Chain of Custody Number 133685
Address 3191 Copper Oak Pl.		Telephone Number (Area Code)/Fax Number (651)-735-6431		Lab Number	
City Woodbury	State MN	Zip Code 55125	Site Contact K. Rapp	Lab Contact B. Fischer	Page 1 of 2

Project Name and Location (State) Former March Chemical Facility, Geneva, NY		Carrier/Waybill Number		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No. 01545.200					

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives										Special Instructions/ Conditions of Receipt
			2	Acid	Base	Sol	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH	70C	70C	70C	70C	
MW-114	8/4/09	0934		X							X			3	2			
MW-115	8/3/09	1655																
MW-116	8/4/09	0956																
MW-117		1506																
MW-118		1622																
MW-119		1416																
MW-120	↓	1312																
MW-121	8/3/09	1523																
MW-122		1515																
MW-123	↓	1409																
MW-124S	8/4/09	1106																
MW-124D	↓	1215																

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)		
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☒ Unknown	☐ Return To Client	☒ Disposal By Lab	☐ Archive For _____ Months	

Turn Around Time Required			QC Requirements (Specify)		
☐ 24 Hours	☐ 48 Hours	☐ 7 Days	☒ 14 Days	☐ 21 Days	☐ Other _____

1. Relinquished By [Signature]	Date 8/4/09	Time 1715	1. Received By [Signature]	Date 8/4/09	Time 0945
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: **2.0"**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

