



MWH

CON 12-15
Doc #9990

November 9, 2007

Mr. Matt Culp
Contaminated Sites Section
Iowa Department of Natural Resources
Wallace State Office Building
502 East 9th Street
Des Moines, IA 50319-0034

MWH #1913378.1803

RE: 2007 Annual Report
MidAmerican Energy Company
Former Manufactured Gas Plant Site
Cedar Rapids, Iowa

Dear Mr. Culp:

This Annual Report has been prepared on behalf of MidAmerican Energy Company (MidAmerican), in accordance with the conditional No Further Action (NFA) certificate (recorded on August 10, 2006) for the former manufactured gas plant (FMGP) site in Cedar Rapids, Iowa. The conditional NFA was issued under Iowa's Land Recycling Program in accordance with administrative rules contained in Chapter 567 Iowa Administrative Code 137. The site layout is illustrated in Figure 1.

The conditional NFA certificate requires five years of annual groundwater sampling for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX), and naphthalene at monitoring wells MW-306, MW-308, MW-417, and MW-517. The conditional NFA certificate also requires annual groundwater level gauging at MW-307, MW-407, MW-507, and MW-317 in addition to the four sampled wells. The September 2007 monitoring event is the second of the five years of groundwater monitoring required by the conditional NFA certificate.

SUMMARY OF ACTIVITIES AND RESULTS

On September 17, 2007, groundwater elevations were gauged at the groundwater monitoring wells specified in the conditional NFA certificate. During the monitoring event, the bedrock groundwater gradient was generally southwesterly (Figure 2). The recent water elevation data are provided in Table 1. Groundwater samples were collected

from monitoring wells MW-306, MW-308, MW-417, and MW-517 using methods consistent with previous sampling events.

Groundwater samples were submitted to TestAmerica, Inc. in Cedar Falls, Iowa, for analysis of BTEX and naphthalene using Environmental Protection Agency (EPA) Method 8260. All of the contaminants of concern were below detection limits in the samples, which is consistent with previous results. Recent groundwater sampling results are tabulated in Table 2. A copy of the laboratory analytical report is provided in Attachment A.

Additional assessment of past groundwater flow directions and seasonal trends was conducted as requested in your October 23, 2006 letter. Previous groundwater measurements that indicated a northeast groundwater flow direction were generally from the central portion of the site (i.e., MW-306, MW-307, and MW-308) prior to and during mid-2005. During this period, groundwater elevations in the Silurian aquifer were generally between 685 to 690 feet above sea level (Figure 3).

During the latter portion of 2005 and subsequent gauging events, groundwater measurements collected from the central portion of the site (i.e., MW-306, MW-307, and MW-308) indicated southerly or southwesterly flow directions. During these gauging events, groundwater elevations in the Silurian aquifer were generally between 670 and 675 feet above sea level (Figure 3). Although MWH was unable to directly attribute changes in flow direction to temporal trends in groundwater elevations, it is suspected that local groundwater flow directions are affected as the regional groundwater recharge and discharge within the Silurian aquifer changes due to lower groundwater levels.

Recent gauging events, as shown in Figure 3, have indicated that groundwater elevations in the Silurian aquifer are rebounding. Additionally, it should be noted, these inferred changes in groundwater flow direction may be biased by the scale of observation; the post-NFA monitoring well network is smaller in areal extent than the maximum monitoring well network in place during the site assessment phase. Based on MWH's review of the data, the direction of groundwater flow is likely affected by regional water level changes in the Silurian Aquifer, and the inferred flow direction is affected by the areal extent of the monitoring network. The laboratory analytical results do not indicate migration of the constituents of concern.

FUTURE ACTIVITIES

The third annual gauging and sampling event is scheduled for the third quarter of 2008.

If you have any questions, or need additional information, please contact Michelle Wei of MidAmerican at (515) 242-3974 or me.

Sincerely,



Kevin G. Armstrong, C.P.G.
Project Manager

/trw:sjr:vas

Attachments:

Table 1 – Water Level Elevations

Table 2 – Groundwater Analytical Results

Figure 1 – Annual Groundwater Monitoring Network

Figure 2 – Silurian Aquifer Groundwater Elevation Contours – September 17, 2007

Figure 3 – Silurian Aquifer Groundwater Elevations

Attachment A – Laboratory Analytical Report

cc: Michelle Wei - MidAmerican

TABLE 1
WATER LEVEL ELEVATIONS
MIDAMERICAN ENERGY COMPANY
FORMER MANUFACTURED GAS PLANT SITE - CEDAR RAPIDS, IOWA

Location	6/18/02	9/16/02	12/16/02	3/17/03	6/16/03	9/15/03	12/8/03	3/16/04	6/1/2004	6/10/2004	9/26/2004	12/13/2004
MW-306	ND	ND	688.11	689.31	680.25	677.87	688.06	691.31	687.16	686.85	684.31	686.34
MW-307	674.47	669.58	687.84	685.84	680.81	678.08	688.02	691.50	687.57	687.33	684.51	686.73
MW-308	ND	ND	688.07	689.97	680.89	678.08	687.97	691.38	687.55	687.31	684.41	686.46
MW-317	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-407	674.33	669.64	688.01	685.97	680.92	678.48	688.17	691.65	687.73	687.49	685.71	686.15
MW-417	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	686.90
MW-507	ND	ND	ND	686.08	681.04	678.27	688.29	692.02	687.87	687.64	684.83	686.90
MW-517	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cedar River ^a	ND	ND	ND	ND	705.9	703.8	703.9	705.0	711.4	707.1	706.6	704.6

TABLE 1
WATER LEVEL ELEVATIONS
MIDAMERICAN ENERGY COMPANY
FORMER MANUFACTURED GAS PLANT SITE - CEDAR RAPIDS, IOWA

Location	3/14/2005	4/5/2005	4/18/2005	7/18/2005	7/20/2005	7/21/2005	9/9/2005	9/26/2005	10/6/2005	9/13/2006	9/17/2007
MW-306	685.91	685.56	684.67	675.91	675.67	ND	670.46	671.04	672.03	673.44	676.10
MW-307	686.11	684.86	684.92	677.16	676.25	676.50	670.42	670.40	671.86	673.44	675.91
MW-308	686.00	685.79	684.86	677.29	676.22	ND	670.46	670.86	671.87	673.51	676.01
MW-317	ND	ND	ND	ND	ND	ND	670.76	671.62	672.55	673.85	676.69
MW-407	686.30	685.46	685.07	677.13	676.49	676.63	670.42	671.24	671.79	673.49	675.90
MW-417	ND	ND	ND	ND	ND	ND	671.02	671.98	672.93	674.25	677.29
MW-507	686.41	686.16	685.20	677.21	676.66	676.77	670.45	670.83	671.88	673.46	675.93
MW-517	ND	ND	ND	ND	ND	ND	671.15	672.09	673.00	674.32	677.33
Cedar River ^a	704.6	705.9	705.9	705.0	704.9	704.9	704.0	704.3	705.4	704.8	705.4

Notes:

^a = United States Geological Survey gauge 05464500

ND = Not determined.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
MIDAMERICAN ENERGY COMPANY
FORMER MANUFACTURED GAS PLANT SITE - CEDAR RAPIDS, IOWA

	Sample Date	Benzene	Ethylbenzene	Naphthalene	Toluene	Total Xylenes
Protected Groundwater Standard:		5	1,000	100	700	10,000
MW-306	12/19/02	<100	<100	<0.54	<100	<350
MW-306	03/18/03	<2.0	<2.0	<0.56	<2.0	<7.0
MW-306	6/16/03	<1.0	<1.0	<0.97	<1.0	<1.0
MW-306	6/16/03 ^a	<1.0	<1.0	<1.1	<1.0	<1.0
MW-306	9/16/03	<1.0	<1.0	<0.98	<1.0	<1.0
MW-306	12/08/03	<1.0	<1.0	<0.99	<1.0	<1.0
MW-306	03/17/04	<1.0	<1.0	<1.3	<1.0	<1.0
MW-306	06/02/04	<1.0	<1.0	<1.3	<1.0	<1.0
MW-306	9/27/04	<1.0	<1.0	<1.3	<1.0	<1.0
MW-306	12/16/04	<1.0 J	<1.0	0.49 J	<1.0	<1.0
MW-306	3/16/05	<1.0	<1.0	<1.3	<1.0	<1.0
MW-306	4/18/05	<1.0	<1.0	0.75 J	<1.0	<1.0
MW-306	10/6/05	<1.0	<1.0	<0.10	<1.0	<3.0
MW-306	9/14/06	<1.0	<1.0	<5.0	<1.0	<3.0
MW-306	9/17/07	<1.0	<1.0	<5.0	<1.0	<3.0
MW-308	12/19/02	<2.0	<2.0	<0.53	<2.0	<7.0
MW-308	3/17/03	<2.0	<2.0	<0.50	<2.0	<7.0
MW-308	3/17/03	<2.0	<2.0	<0.50	<2.0	<7.0
MW-308	6/16/03	<1.0	<1.0	<1.0	<1.0	<1.0
MW-308	9/15/03	<1.0	<1.0	<0.99	<1.0	<1.0
MW-308	12/08/03	<1.0	<1.0	<0.99	<1.0	<1.0
MW-308	03/16/04	<1.0	<1.0	<1.2	<1.0	<1.0
MW-308	06/01/04	<1.0	<1.0	<1.2	<1.0	<1.0
MW-308	9/27/04	<1.0	<1.0	<1.3	<1.0	<1.0
MW-308	12/15/04	<1.0	<1.0	<1.3	<1.0	<1.0
MW-308	3/16/05	<1.0	<1.0	<1.3	<1.0	<1.0
MW-308	4/19/05	<1.0	<1.0	<1.2	<1.0	<1.0
MW-308	10/6/05	<1.0	<1.0	<0.10	<1.0	<3.0
MW-308	9/14/06	<1.0	<1.0	<5.0	<1.0	<3.0
MW-308	9/17/07	<1.0	<1.0	<5.0	<1.0	<3.0
MW-417	8/2/05	<1.0	<1.0	<0.20	<1.0	<1.0
MW-417	10/7/05	<1.0	<1.0	<0.10	<1.0	<3.0
MW-417	9/14/06	<1.0	<1.0	<5.0	<1.0	<3.0
MW-417	9/17/07	<1.0	<1.0	<5.0	<1.0	<3.0
MW-517	8/4/05	<1.0	<1.0	<1.2	<1.0	<1.0
MW-517	10/7/05	<1.0	<1.0	<0.10	<1.0	<3.0
MW-517	9/14/06	<1.0	<1.0	<5.0	<1.0	<3.0
MW-517	9/17/07	<1.0	<1.0	<5.0	<1.0	<3.0

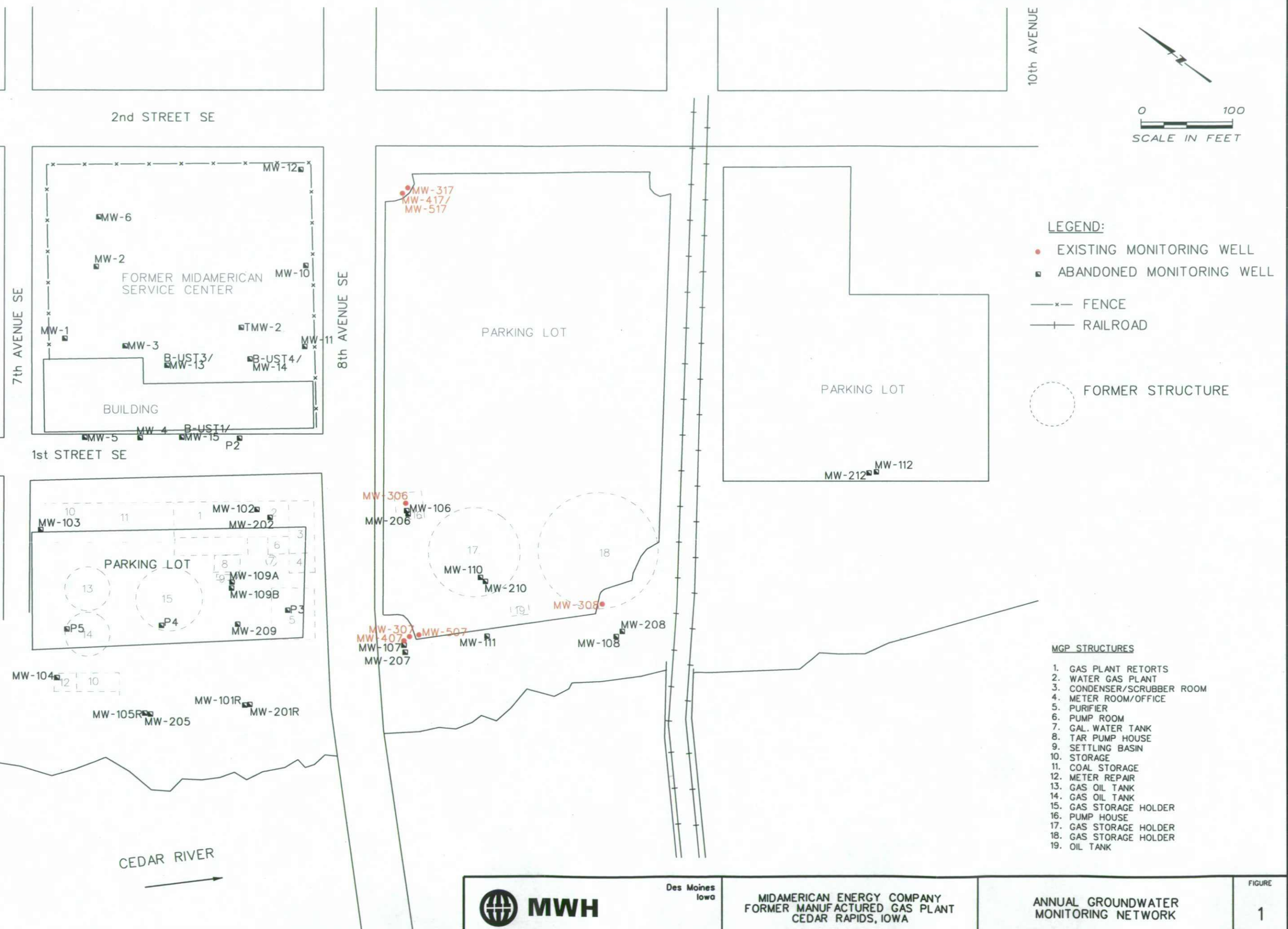
Notes:

All values in micrograms per liter.

1. Concentrations in bold-face type exceed Iowa Department of Natural Resources (IDNR) Land Recycling Program (LRP) standards for Protected Groundwater.

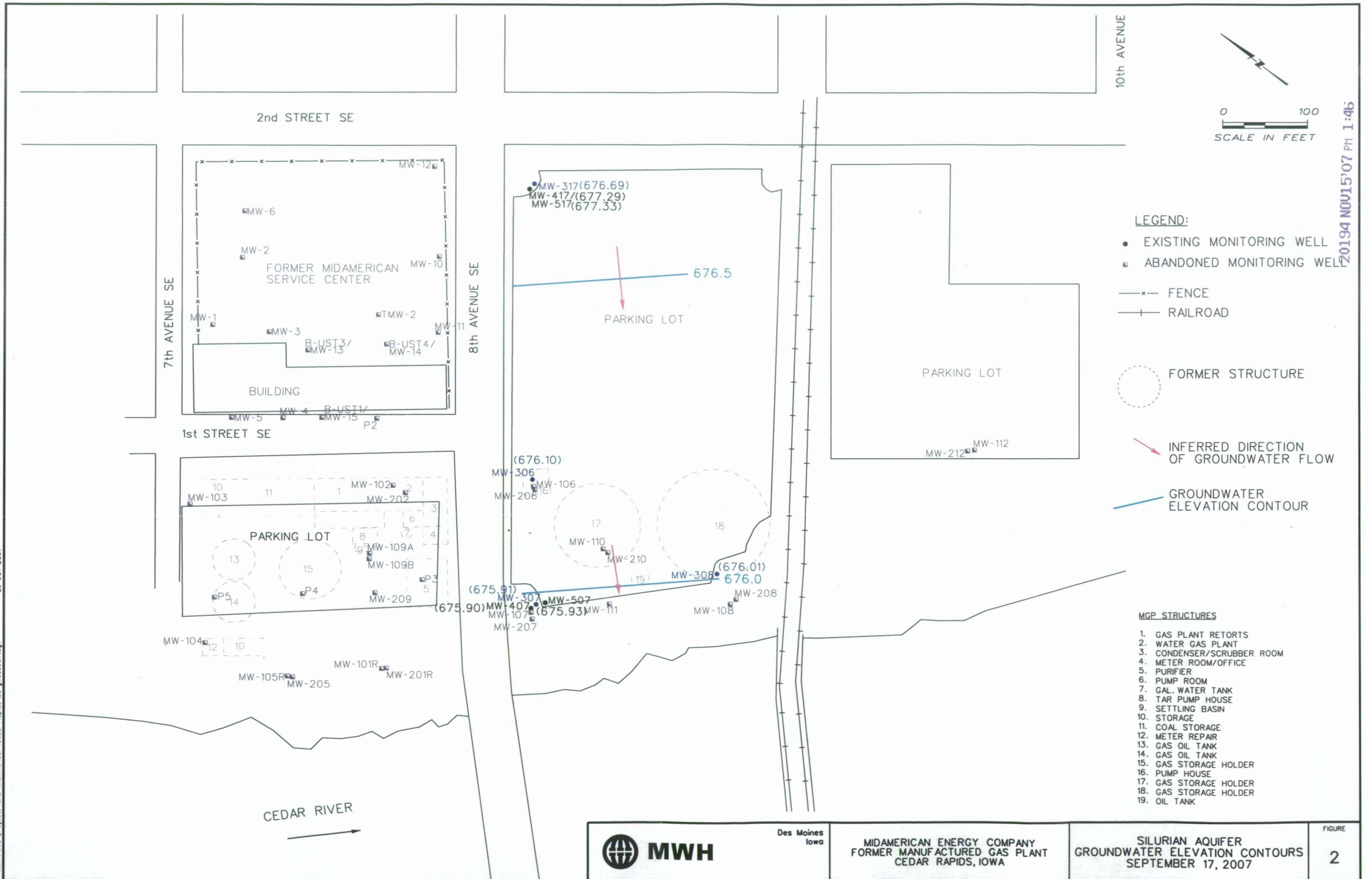
2. Values followed by "J" are estimated concentrations detected below the method reporting limit.

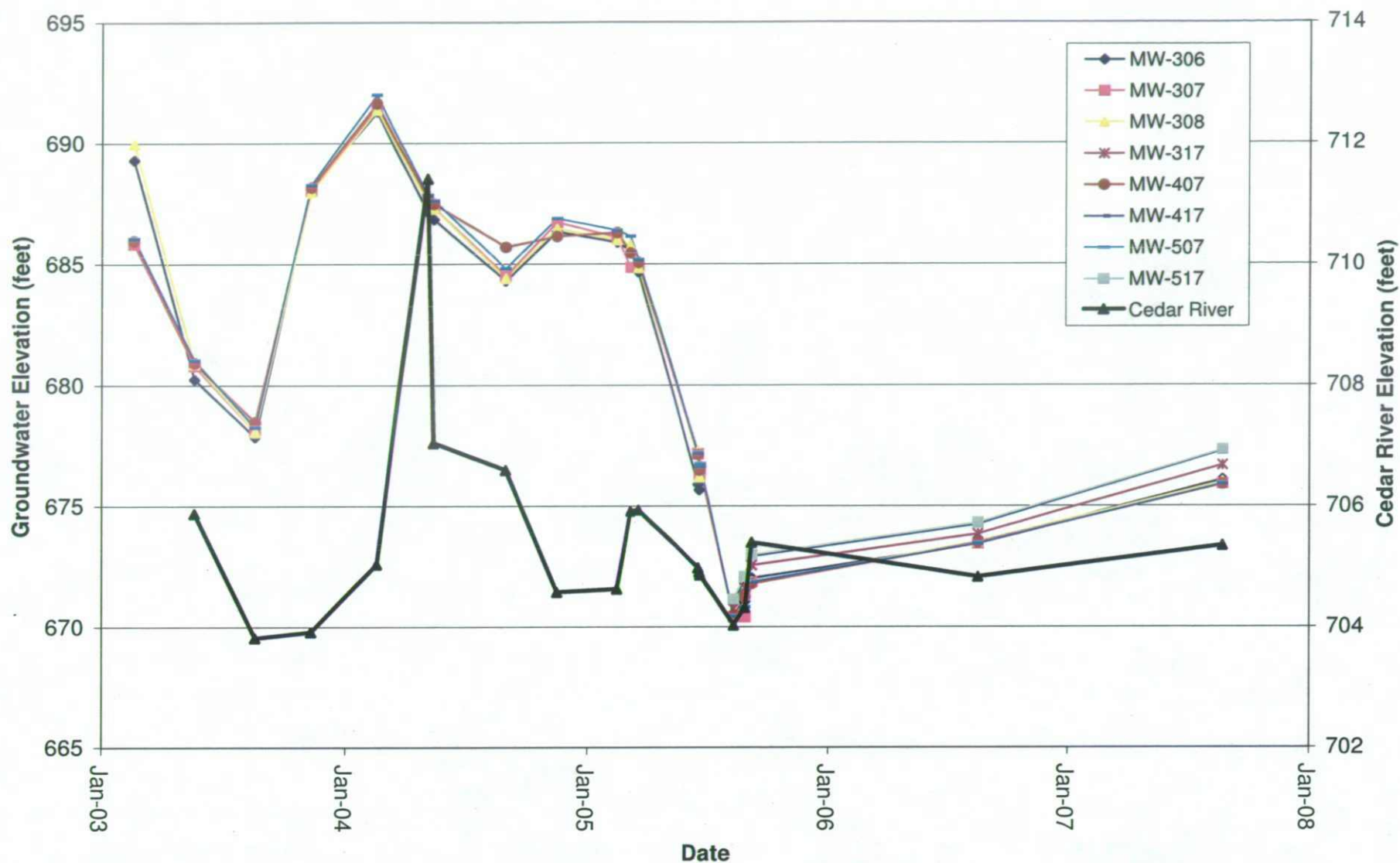
^a Duplicate sample result.



29-OCT-2007

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Des Moines
Iowa

MIDAMERICAN ENERGY COMPANY
FORMER MANUFACTURED GAS PLANT
CEDAR RAPIDS, IOWA

SILURIAN AQUIFER GROUNDWATER ELEVATIONS

FIGURE
3

ATTACHMENT A

September 20, 2007

RECEIVED

SEP 21 2007

MW/IOWA

Client:

MWH - DES MOINES
11153 Aurora Avenue
Des Moines, IA 50322

Work Order: CQI0875
Project Name: MEC - Cedar Rapids
Project Number: 1913378.1803

Attn: Kevin Armstrong

Date Received: 09/17/07

An executed copy of the chain of custody is also included as an addendum to this report

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-(800)750-2401

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Trip Blank	CQI0875-01	09/17/07
DP01-GW-0907	CQI0875-02	09/17/07
MW308-GW-0907	CQI0875-03	09/17/07 14:00
MW306-GW-0907	CQI0875-04	09/17/07 14:25
MW417-GW-0907	CQI0875-05	09/17/07 15:45
MW517-GW-0907	CQI0875-06	09/17/07 16:45

Samples were received into laboratory at a temperature of 9 °C.

NELAC states that samples which require thermal preservation shall be considered acceptable if the arrival temperature is within 2 degrees C of the required temperature or the method specified range. For samples with a temperature requirement of 4 degrees C, an arrival temperature from 0 degrees C to 6 degrees C meets specifications. Samples that are delivered to the laboratory on the same day that they are collected may not meet these criteria. In these cases, the samples are considered acceptable if there is evidence that the chilling process has begun, such as arrival on ice.

Please refer to the Temperature and Sample Receipt form that is included with this report for additional information regarding the condition of samples at the time of receipt by the laboratory.

The reported results were obtained in compliance with the 2003 NELAC standards unless otherwise noted.

Iowa Certification Number: 007

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 Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific sample analyzed.

Approved By:



TestAmerica - Cedar Falls, IA
Derrick Klinkenberg
Organics Manager

MWH - DES MOINES
11153 Aurora Avenue
Des Moines, IA 50322
Kevin Armstrong

Work Order: CQI0875
Project: MEC - Cedar Rapids
Project Number: 1913378.1803

Received: 09/17/07
Reported: 09/20/07 15:50

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Seq/ Analyst Batch	Method
Sample ID: CQI0875-01 (Trip Blank - Water)				Sampled: 09/17/07			Recvd: 09/17/07 19:04	
UST Volatile Compounds by GC/MS								
Benzene	<1.00		ug/L	1.00	1	09/19/07 13:55	SJN 7090820	SW 8260B/OA-1
Toluene	<1.00		ug/L	1.00	1	09/19/07 13:55	SJN 7090820	SW 8260B/OA-1
Ethylbenzene	<1.00		ug/L	1.00	1	09/19/07 13:55	SJN 7090820	SW 8260B/OA-1
Naphthalene	<5.00		ug/L	5.00	1	09/19/07 13:55	SJN 7090820	SW 8260B/OA-1
Xylenes, total	<3.00		ug/L	3.00	1	09/19/07 13:55	SJN 7090820	SW 8260B/OA-1
Surr: Dibromofluoromethane (80-120%)	90 %							
Surr: Toluene-d8 (80-110%)	91 %							
Surr: 4-Bromofluorobenzene (65-115%)	102 %							
VOC Preservation Check								
pH	<2.00		units	2.00	1	09/20/07 14:41	sjn 7090870	SW
Sample ID: CQI0875-02 (DP01-GW-0907 - Ground Water)				Sampled: 09/17/07			Recvd: 09/17/07 19:04	
UST Volatile Compounds by GC/MS								
Benzene	<1.00		ug/L	1.00	1	09/19/07 17:46	SJN 7090820	SW 8260B/OA-1
Toluene	<1.00		ug/L	1.00	1	09/19/07 17:46	SJN 7090820	SW 8260B/OA-1
Ethylbenzene	<1.00		ug/L	1.00	1	09/19/07 17:46	SJN 7090820	SW 8260B/OA-1
Naphthalene	<5.00		ug/L	5.00	1	09/19/07 17:46	SJN 7090820	SW 8260B/OA-1
Xylenes, total	<3.00		ug/L	3.00	1	09/19/07 17:46	SJN 7090820	SW 8260B/OA-1
Surr: Dibromofluoromethane (80-120%)	88 %							
Surr: Toluene-d8 (80-110%)	89 %							
Surr: 4-Bromofluorobenzene (65-115%)	103 %							
VOC Preservation Check								
pH	<2.00		units	2.00	1	09/20/07 14:41	sjn 7090870	SW
Sample ID: CQI0875-03 (MW308-GW-0907 - Ground Water)				Sampled: 09/17/07 14:00			Recvd: 09/17/07 19:04	
UST Volatile Compounds by GC/MS								
Benzene	<1.00		ug/L	1.00	1	09/19/07 18:20	SJN 7090820	SW 8260B/OA-1
Toluene	<1.00		ug/L	1.00	1	09/19/07 18:20	SJN 7090820	SW 8260B/OA-1
Ethylbenzene	<1.00		ug/L	1.00	1	09/19/07 18:20	SJN 7090820	SW 8260B/OA-1
Naphthalene	<5.00		ug/L	5.00	1	09/19/07 18:20	SJN 7090820	SW 8260B/OA-1
Xylenes, total	<3.00		ug/L	3.00	1	09/19/07 18:20	SJN 7090820	SW 8260B/OA-1
Surr: Dibromofluoromethane (80-120%)	86 %							
Surr: Toluene-d8 (80-110%)	88 %							
Surr: 4-Bromofluorobenzene (65-115%)	102 %							
VOC Preservation Check								
pH	<2.00		units	2.00	1	09/20/07 14:41	sjn 7090870	SW

MWH - DES MOINES
11153 Aurora Avenue
Des Moines, IA 50322
Kevin Armstrong

Work Order: CQI0875
Project: MEC - Cedar Rapids
Project Number: 1913378.1803

Received: 09/17/07
Reported: 09/20/07 15:50

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CQI0875-04 (MW306-GW-0907 - Ground Water)				Sampled: 09/17/07 14:25			Recvd: 09/17/07 19:04		
UST Volatile Compounds by GC/MS									
Benzene	<1.00		ug/L	1.00	1	09/19/07 18:52	SJN	7090820	SW
Toluene	<1.00		ug/L	1.00	1	09/19/07 18:52	SJN	7090820	8260B/OA-1 SW
Ethylbenzene	<1.00		ug/L	1.00	1	09/19/07 18:52	SJN	7090820	8260B/OA-1 SW
Naphthalene	<5.00		ug/L	5.00	1	09/19/07 18:52	SJN	7090820	8260B/OA-1 SW
Xylenes, total	<3.00		ug/L	3.00	1	09/19/07 18:52	SJN	7090820	8260B/OA-1 SW
Surr: Dibromofluoromethane (80-120%) 88 %									
Surr: Toluene-d8 (80-110%) 88 %									
Surr: 4-Bromofluorobenzene (65-115%) 103 %									
VOC Preservation Check									
pH	<2.00		units	2.00	1	09/20/07 14:41	sjn	7090870	SW
Sample ID: CQI0875-05 (MW417-GW-0907 - Ground Water)				Sampled: 09/17/07 15:45			Recvd: 09/17/07 19:04		
UST Volatile Compounds by GC/MS									
Benzene	<1.00		ug/L	1.00	1	09/19/07 19:25	SJN	7090820	SW
Toluene	<1.00		ug/L	1.00	1	09/19/07 19:25	SJN	7090820	8260B/OA-1 SW
Ethylbenzene	<1.00		ug/L	1.00	1	09/19/07 19:25	SJN	7090820	8260B/OA-1 SW
Naphthalene	<5.00		ug/L	5.00	1	09/19/07 19:25	SJN	7090820	8260B/OA-1 SW
Xylenes, total	<3.00		ug/L	3.00	1	09/19/07 19:25	SJN	7090820	8260B/OA-1 SW
Surr: Dibromofluoromethane (80-120%) 86 %									
Surr: Toluene-d8 (80-110%) 88 %									
Surr: 4-Bromofluorobenzene (65-115%) 103 %									
VOC Preservation Check									
pH	<2.00		units	2.00	1	09/20/07 14:41	sjn	7090870	SW
Sample ID: CQI0875-06 (MW517-GW-0907 - Ground Water)				Sampled: 09/17/07 16:45			Recvd: 09/17/07 19:04		
UST Volatile Compounds by GC/MS									
Benzene	<1.00		ug/L	1.00	1	09/19/07 17:13	SJN	7090820	SW
Toluene	<1.00		ug/L	1.00	1	09/19/07 17:13	SJN	7090820	8260B/OA-1 SW
Ethylbenzene	<1.00		ug/L	1.00	1	09/19/07 17:13	SJN	7090820	8260B/OA-1 SW
Naphthalene	<5.00		ug/L	5.00	1	09/19/07 17:13	SJN	7090820	8260B/OA-1 SW
Xylenes, total	<3.00		ug/L	3.00	1	09/19/07 17:13	SJN	7090820	8260B/OA-1 SW
Surr: Dibromofluoromethane (80-120%) 88 %									
Surr: Toluene-d8 (80-110%) 89 %									
Surr: 4-Bromofluorobenzene (65-115%) 102 %									
VOC Preservation Check									
pH	<2.00		units	2.00	1	09/20/07 14:41	sjn	7090870	SW

MWH - DES MOINES
11153 Aurora Avenue
Des Moines, IA 50322
Kevin Armstrong

Work Order: CQI0875
Project: MEC - Cedar Rapids
Project Number: 1913378.1803

Received: 09/17/07
Reported: 09/20/07 15:50

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Spike Result Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
UST Volatile Compounds by GC/MS													
Benzene	7090820		ug/L	N/A	1.00	<1.00							
Toluene	7090820		ug/L	N/A	1.00	<1.00							
Ethylbenzene	7090820		ug/L	N/A	1.00	<1.00							
Naphthalene	7090820		ug/L	N/A	5.00	<5.00							
Xylenes, total	7090820		ug/L	N/A	3.00	<3.00							
Surrogate: Dibromofluoromethane	7090820		ug/L					89		80-120			
Surrogate: Toluene-d8	7090820		ug/L					89		80-110			
Surrogate: 4-Bromofluorobenzene	7090820		ug/L					101		65-115			

MWH - DES MOINES
11153 Aurora Avenue
Des Moines, IA 50322
Kevin Armstrong

Work Order: CQI0875
Project: MEC - Cedar Rapids
Project Number: 1913378.1803

Received: 09/17/07
Reported: 09/20/07 15:50

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Spike Result Level	Units	MDL	MRL	Dup Result	% Result	Dup %REC	%REC Limits	RPD RPD	RPD Limit	Q
UST Volatile Compounds by GC/MS												
Benzene	7090820	20.0	ug/L	N/A	N/A	18.3	92		75-125			
Toluene	7090820	20.0	ug/L	N/A	N/A	16.4	82		75-120			
Ethylbenzene	7090820	20.0	ug/L	N/A	N/A	16.2	81		75-125			
Naphthalene	7090820	20.0	ug/L	N/A	N/A	13.7	68		25-120			
Xylenes, total	7090820	60.0	ug/L	N/A	N/A	51.8	86		75-125			
Surrogate: Dibromofluoromethane	7090820		ug/L				89		80-115			
Surrogate: Toluene-d8	7090820		ug/L				90		85-110			
Surrogate: 4-Bromofluorobenzene	7090820		ug/L				101		80-115			

MWH - DES MOINES
11153 Aurora Avenue
Des Moines, IA 50322
Kevin Armstrong

Work Order: CQ10875
Project: MEC - Cedar Rapids
Project Number: 1913378.1803

Received: 09/17/07
Reported: 09/20/07 15:50

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Spike Result Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC	REC Limits	RPD RPD	RPD Limit	Q
UST Volatile Compounds by GC/MS														
QC Source Sample: CQ10875-06														
Benzene	7090820	<1.00 20.0	ug/L	N/A	N/A	18.4	17.2	92	86	70-125	7	15		
Toluene	7090820	<1.00 20.0	ug/L	N/A	N/A	16.5	15.3	82	77	60-130	7	15		
Ethylbenzene	7090820	<1.00 20.0	ug/L	N/A	N/A	16.1	14.5	80	73	65-125	10	15		
Naphthalene	7090820	0.910 20.0	ug/L	N/A	N/A	15.6	16.2	74	77	55-150	4	35		
Xylenes, total	7090820	<3.00 60.0	ug/L	N/A	N/A	51.5	47.5	86	79	50-135	8	35		
Surrogate: Dibromofluoromethane	7090820		ug/L					87	89	85-120				
Surrogate: Toluene-d8	7090820		ug/L					90	90	85-110				
Surrogate: 4-Bromofluorobenzene	7090820		ug/L					102	103	75-115				

Sample Receipt and Temperature Log Form

Client: MWH/Mid American

Project: _____

City: Des Moines, IaDate: 9/17/07 Receiver's Initials: JMT Time (Delivered): 1904

Temperature Record:

Cooler ID# (If Applicable)

MCH-19.1

°C / On Ice

☒ Temp Blank☐ Temperature out of compliance

Thermometer:

☒ IR - 61997670 'A'☐ IR - 61997671 'B'☐ IR - 61854108☐ 22126775

Courier:

☐ UPS☐ TA Courier☐ FedEx☐ TA Field Services☐ DHL☒ Client☐ US Postal Service☐ Other☐ Spee-Dee

Custody seals present?

☐ Yes

Custody seals intact?

☐ Yes ☐ No☐ Non-Conformance report started

Exceptions Noted

☐ Sample(s) not received in a cooler.☒ Samples(s) received same day of sampling.☒ Evidence of a chilling process☐ Temperature not taken: