

Jackson, Hylton [DNR]

From: Jackson, Hylton [DNR]
Sent: Wednesday, March 25, 2009 1:52 PM
To: 'mike.freese@atcassociates.com'
Subject: RE: Rumely Building

CON 12-15
Doc #20689

Mike,

I've reviewed the additional information you sent on the Rumely Building and it does not seem to indicate a significant threat to human health or the environment. The Department's assessment of the site as stated in the letter of 1/24/2008 has not changed. No further assessment is required at this time. As for your question about the "protected groundwater area" – the site is located in an alluvial setting and its physical characteristics would most likely qualify it as a protected groundwater aquifer. (It is, after all, the same formation used by Des Moines Water Works.) Your question refers to an area. Des Moines does have an ordinance prohibiting the installation of water supply wells (Polk County Ord. Ch. IV and Des Moines 28E. Ord. No. 49.3(11)) that the Department considers acceptable. The site does not lie in the source water protection area for the City of Des Moines as it is located downstream from the horizontal intake gallery. These conditions would indicate that the site is located in an area that is not now, nor is likely to be in the future, accessed for use as a water supply. As for your question concerning whether or not notification of this incident (the modest exceedance of a protected groundwater standard) is required, that is somewhat open to interpretation. As you noted during our phone conversation, 567 IAC 133 requires that the Department be notified upon the discovery of a "hazardous condition". Whether this situation fits that definition could be a matter of opinion, but erring on the side of caution is probably the recommended thing to do. This is not a legal opinion and our attorney Dave Wornson (phone (515) 242-5817) would be able to supply a more definitive answer. I apologize for being vague, but if you have any further questions, do not hesitate to contact me.

Hylton

From: Mike Freese [mailto:mike.freese@atcassociates.com]
Sent: Tuesday, March 17, 2009 9:07 AM
To: Jackson, Hylton [DNR]
Subject:

Hylton,

Attached are the results from the water collected in the sumps at the Rumely Building (Contaminated Sites Case known as Rumely Building). The north sump had a slight exceedance of the statewide standard for protected groundwater for methylene chloride (5.65 ppb and standard is 5.0). The result appears consistent with previous results obtained from a Phase II where soils were slightly impacted with methylene chloride.

Is this area considered to be in a protected groundwater area?

If not, then is this incident required to be reported to the IDNR? It seems as if the incident with same constituent has already been reported.

What (if any) further requirements or actions are required?

Mike Freese | Sr. Project Manager | **ATC Associates Inc.** | Omaha/Des Moines
515-981-3216 direct | 515-371-1409 mobile

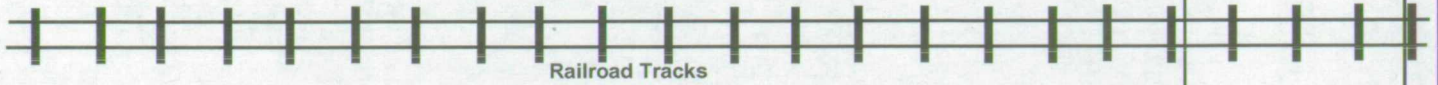
8985 42nd Ln. | Cumming, IA 50061
800-873-5532 tel | 515-981-3216 fax | www.atcassociates.com

Have you seen our new [video](#)? Click to learn what our firm can do for you.

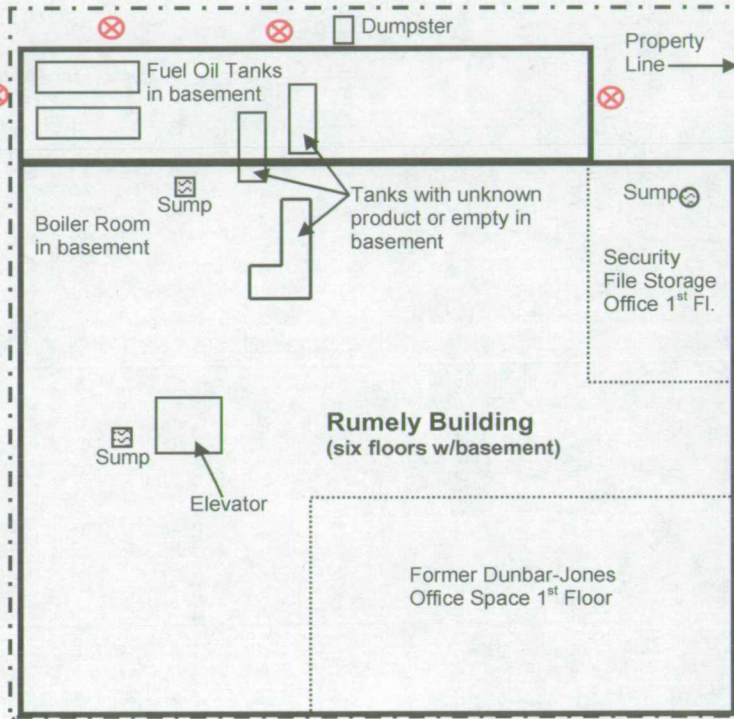
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3/25/2009

Business Publications Corporation



Parking



SW 4th Street

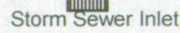
Science Center of Iowa Parking Ramp

Vacant Bldg. (National Sheet Metal former occupant)



Alley

Sidewalk



Market Street

Science Center of Iowa

Science Center of Iowa



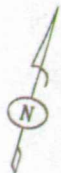
11117 Mockingbird Drive
Omaha, NE 68137

PROJECT NO: 007.25094.0001

DESIGNED BY: ATC SCALE: 1" ≈ 35' REVIEWED BY: WFW

DRAWN BY: MAF DATE: 3/5/09 FILE: Site Plan

SITE PLAN
Rumely Building
104 SW 4th Street
Des Moines, IA 50309



⊗ Former soil/groundwater boring locations

March 12, 2009

Client:

ATC ASSOCIATES - OMAHA
1571 42nd Lane
Cumming, IA 50061

Work Order: CSC0371
Project Name: Rumely Bldg - Des Moines, IA
Project Number: 07.25094.0001

Attn: Mike Freese

Date Received: 03/06/09

The Chain(s) of Custody, 2 pages, are included and are an integral part of 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
NS-1	CSC0371-01	03/05/09 10:45
WS-1	CSC0371-02	03/05/09 10:40

Samples were received into laboratory at a temperature of 1 °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.

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 specific sample analyzed.

Approved By:



TestAmerica Cedar Falls
Angela Muehling
Project Coordinator

ATC ASSOCIATES - OMAHA
1571 42nd Lane
Cumming, IA 50061
Mike Freese

Work Order: CSC0371
Project: Rumely Bldg - Des Moines, IA
Project Number: 07.25094.0001

Received: 03/06/09
Reported: 03/12/09 15:30

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Seq/ Analyst Batch	Method
Sample ID: CSC0371-01 (NS-1 - Ground Water)						Sampled: 03/05/09 10:45	Recvd: 03/06/09 18:00	
Volatile Organic Compounds								
Acetone	<10.0		ug/L	10.0	1	03/10/09 16:28	SJN 9030386	SW 8260B
Acrylonitrile	<10.0		ug/L	10.0	1	03/10/09 16:28	SJN 9030386	SW 8260B
Benzene	<0.500		ug/L	0.500	1	03/10/09 16:28	SJN 9030386	SW 8260B
Bromobenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Bromochloromethane	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Bromodichloromethane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Bromoform	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Bromomethane	<4.00		ug/L	4.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
2-Butanone (MEK)	<10.0		ug/L	10.0	1	03/10/09 16:28	SJN 9030386	SW 8260B
n-Butylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
sec-Butylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
tert-Butylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Carbon disulfide	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Carbon Tetrachloride	<2.00		ug/L	2.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Chlorobenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Chlorodibromomethane	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Chloroethane	<4.00		ug/L	4.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Chloroform	1.69		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Chloromethane	<3.00		ug/L	3.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
2-Chlorotoluene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
4-Chlorotoluene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,2-Dibromo-3-chloropropane	<10.0		ug/L	10.0	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L	10.0	1	03/10/09 16:28	SJN 9030386	SW 8260B
Dibromomethane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L	3.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,1-Dichloroethane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,2-Dichloroethane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,1-Dichloroethene	<2.00		ug/L	2.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,2-Dichloropropane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,3-Dichloropropane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
2,2-Dichloropropane	<4.00		ug/L	4.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
1,1-Dichloropropene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
cis-1,3-Dichloropropene	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
trans-1,3-Dichloropropene	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Ethylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Hexachlorobutadiene	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Hexane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B
Isopropylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN 9030386	SW 8260B

ATC ASSOCIATES - OMAHA
1571 42nd Lane
Cumming, IA 50061
Mike Freese

Work Order: CSC0371
Project: Rumely Bldg - Des Moines, IA
Project Number: 07.25094.0001

Received: 03/06/09
Reported: 03/12/09 15:30

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CSC0371-01 (NS-1 - Ground Water) - cont.				Sampled: 03/05/09 10:45			Recvd: 03/06/09 18:00		
Volatile Organic Compounds - cont.									
p-Isopropyltoluene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Methylene Chloride	5.65	S2	ug/L	5.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Naphthalene	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
n-Propylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Styrene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,1,2,2-Tetrachloroethane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Tetrachloroethene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Toluene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L	5.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,1,1-Trichloroethane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Trichloroethene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Trichlorofluoromethane	<4.00		ug/L	4.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,2,3-Trichloropropane	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,2,4-Trimethylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
1,3,5-Trimethylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Vinyl chloride	<1.00		ug/L	1.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Xylenes, total	<3.00		ug/L	3.00	1	03/10/09 16:28	SJN	9030386	SW 8260B
Surr: Dibromofluoromethane (80-120%)	103 %								
Surr: Toluene-d8 (80-110%)	93 %								
Surr: 4-Bromofluorobenzene (65-115%)	88 %								
VOC Preservation Check									
pH	<2.00		units	2.00	1	03/12/09 15:22	fmk	9030475	SW
Sample ID: CSC0371-02 (WS-1 - Ground Water)				Sampled: 03/05/09 10:40			Recvd: 03/06/09 18:00		
Volatile Organic Compounds									
Acetone	<10.0		ug/L	10.0	1	03/10/09 16:58	SJN	9030386	SW 8260B
Acrylonitrile	<10.0		ug/L	10.0	1	03/10/09 16:58	SJN	9030386	SW 8260B
Benzene	<0.500		ug/L	0.500	1	03/10/09 16:58	SJN	9030386	SW 8260B
Bromobenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Bromochloromethane	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Bromodichloromethane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Bromoform	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Bromomethane	<4.00		ug/L	4.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
2-Butanone (MEK)	<10.0		ug/L	10.0	1	03/10/09 16:58	SJN	9030386	SW 8260B
n-Butylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
sec-Butylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
tert-Butylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Carbon disulfide	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Carbon Tetrachloride	<2.00		ug/L	2.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Chlorobenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B

ATC ASSOCIATES - OMAHA
1571 42nd Lane
Cumming, IA 50061
Mike Freese

Work Order: CSC0371
Project: Rumely Bldg - Des Moines, IA
Project Number: 07.25094.0001

Received: 03/06/09
Reported: 03/12/09 15:30

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CSC0371-02 (WS-1 - Ground Water) - cont.				Sampled: 03/05/09 10:40			Recvd: 03/06/09 18:00		
Volatile Organic Compounds - cont.									
Chlorodibromomethane	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Chloroethane	<4.00		ug/L	4.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Chloroform	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Chloromethane	<3.00		ug/L	3.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
2-Chlorotoluene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
4-Chlorotoluene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2-Dibromo-3-chloropropane	<10.0		ug/L	10.0	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2-Dibromoethane (EDB)	<10.0		ug/L	10.0	1	03/10/09 16:58	SJN	9030386	SW 8260B
Dibromomethane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2-Dichlorobenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,3-Dichlorobenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,4-Dichlorobenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Dichlorodifluoromethane	<3.00		ug/L	3.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,1-Dichloroethane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2-Dichloroethane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,1-Dichloroethene	<2.00		ug/L	2.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
cis-1,2-Dichloroethene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
trans-1,2-Dichloroethene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2-Dichloropropane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,3-Dichloropropane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
2,2-Dichloropropane	<4.00		ug/L	4.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,1-Dichloropropene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
cis-1,3-Dichloropropene	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
trans-1,3-Dichloropropene	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Ethylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Hexachlorobutadiene	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Hexane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Isopropylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
p-Isopropyltoluene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Methylene Chloride	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Methyl tert-Butyl Ether	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Naphthalene	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
n-Propylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Styrene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,1,1,2-Tetrachloroethane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,1,1,2,2-Tetrachloroethane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Tetrachloroethene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Toluene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2,3-Trichlorobenzene	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2,4-Trichlorobenzene	<5.00		ug/L	5.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,1,1-Trichloroethane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,1,2-Trichloroethane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Trichloroethene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B

THE LEADER IN ENVIRONMENTAL TESTING

ATC ASSOCIATES - OMAHA
 1571 42nd Lane
 Cumming, IA 50061
 Mike Freese

Work Order: CSC0371
 Project: Rumely Bldg - Des Moines, IA
 Project Number: 07.25094.0001

Received: 03/06/09
 Reported: 03/12/09 15:30

ANALYTICAL REPORT

Analyte	Sample Result	Data Qualifiers	Units	Quan. Limit	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: CSC0371-02 (WS-1 - Ground Water) - cont.						Sampled: 03/05/09 10:40	Recvd: 03/06/09 18:00		
Volatile Organic Compounds - cont.									
Trichlorofluoromethane	<4.00		ug/L	4.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2,3-Trichloropropane	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,2,4-Trimethylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
1,3,5-Trimethylbenzene	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Vinyl chloride	<1.00		ug/L	1.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
Xylenes, total	<3.00		ug/L	3.00	1	03/10/09 16:58	SJN	9030386	SW 8260B
<i>Surr: Dibromofluoromethane (80-120%)</i>	102 %								
<i>Surr: Toluene-d8 (80-110%)</i>	94 %								
<i>Surr: 4-Bromofluorobenzene (65-115%)</i>	90 %								
VOC Preservation Check									
pH	<2.00		units	2.00	1	03/12/09 15:22	fmk	9030475	SW

THE LEADER IN ENVIRONMENTAL TESTING

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Mike Freese

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Project Number: 07.25094.0001

Received: 03/06/09
Reported: 03/12/09 15:30

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
Volatile Organic Compounds														
Acetone	9030386			ug/L	N/A	10.0	<10.0							
Acrylonitrile	9030386			ug/L	N/A	10.0	<10.0							
Benzene	9030386			ug/L	N/A	0.500	<0.500							
Bromobenzene	9030386			ug/L	N/A	1.00	<1.00							
Bromochloromethane	9030386			ug/L	N/A	5.00	<5.00							
Bromodichloromethane	9030386			ug/L	N/A	1.00	<1.00							
Bromoform	9030386			ug/L	N/A	5.00	<5.00							
Bromomethane	9030386			ug/L	N/A	4.00	<4.00							
2-Butanone (MEK)	9030386			ug/L	N/A	10.0	<10.0							
n-Butylbenzene	9030386			ug/L	N/A	1.00	<1.00							
sec-Butylbenzene	9030386			ug/L	N/A	1.00	<1.00							
tert-Butylbenzene	9030386			ug/L	N/A	1.00	<1.00							
Carbon disulfide	9030386			ug/L	N/A	1.00	<1.00							
Carbon Tetrachloride	9030386			ug/L	N/A	2.00	<2.00							
Chlorobenzene	9030386			ug/L	N/A	1.00	<1.00							
Chlorodibromomethane	9030386			ug/L	N/A	5.00	<5.00							
Chloroethane	9030386			ug/L	N/A	4.00	<4.00							
Chloroform	9030386			ug/L	N/A	1.00	<1.00							
Chloromethane	9030386			ug/L	N/A	3.00	<3.00							
2-Chlorotoluene	9030386			ug/L	N/A	1.00	<1.00							
4-Chlorotoluene	9030386			ug/L	N/A	1.00	<1.00							
1,2-Dibromo-3-chloropropane	9030386			ug/L	N/A	10.0	<10.0							
1,2-Dibromoethane (EDB)	9030386			ug/L	N/A	10.0	<10.0							
Dibromomethane	9030386			ug/L	N/A	1.00	<1.00							
1,2-Dichlorobenzene	9030386			ug/L	N/A	1.00	<1.00							
1,3-Dichlorobenzene	9030386			ug/L	N/A	1.00	<1.00							
1,4-Dichlorobenzene	9030386			ug/L	N/A	1.00	<1.00							
Dichlorodifluoromethane	9030386			ug/L	N/A	3.00	<3.00							
1,1-Dichloroethane	9030386			ug/L	N/A	1.00	<1.00							
1,2-Dichloroethane	9030386			ug/L	N/A	1.00	<1.00							
1,1-Dichloroethene	9030386			ug/L	N/A	2.00	<2.00							
cis-1,2-Dichloroethene	9030386			ug/L	N/A	1.00	<1.00							
trans-1,2-Dichloroethene	9030386			ug/L	N/A	1.00	<1.00							
1,2-Dichloropropane	9030386			ug/L	N/A	1.00	<1.00							
1,3-Dichloropropane	9030386			ug/L	N/A	1.00	<1.00							
2,2-Dichloropropane	9030386			ug/L	N/A	4.00	<4.00							
1,1-Dichloropropene	9030386			ug/L	N/A	1.00	<1.00							
cis-1,3-Dichloropropene	9030386			ug/L	N/A	5.00	<5.00							
trans-1,3-Dichloropropene	9030386			ug/L	N/A	5.00	<5.00							
Ethylbenzene	9030386			ug/L	N/A	1.00	<1.00							
Hexachlorobutadiene	9030386			ug/L	N/A	5.00	<5.00							
Hexane	9030386			ug/L	N/A	1.00	<1.00							
Isopropylbenzene	9030386			ug/L	N/A	1.00	<1.00							
p-Isopropyltoluene	9030386			ug/L	N/A	1.00	<1.00							
Methylene Chloride	9030386			ug/L	N/A	5.00	<5.00							

ATC ASSOCIATES - OMAHA
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Mike Freese

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Project: Rumely Bldg - Des Moines, IA
Project Number: 07.25094.0001

Received: 03/06/09
Reported: 03/12/09 15:30

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q	
Volatile Organic Compounds															
Methyl tert-Butyl Ether	9030386			ug/L	N/A	1.00	<1.00								
Naphthalene	9030386			ug/L	N/A	5.00	<5.00								
n-Propylbenzene	9030386			ug/L	N/A	1.00	<1.00								
Styrene	9030386			ug/L	N/A	1.00	<1.00								
1,1,1,2-Tetrachloroethane	9030386			ug/L	N/A	1.00	<1.00								
1,1,2,2-Tetrachloroethane	9030386			ug/L	N/A	1.00	<1.00								
Tetrachloroethene	9030386			ug/L	N/A	1.00	<1.00								
Toluene	9030386			ug/L	N/A	1.00	<1.00								
1,2,3-Trichlorobenzene	9030386			ug/L	N/A	5.00	<5.00								
1,2,4-Trichlorobenzene	9030386			ug/L	N/A	5.00	<5.00								
1,1,1-Trichloroethane	9030386			ug/L	N/A	1.00	<1.00								
1,1,2-Trichloroethane	9030386			ug/L	N/A	1.00	<1.00								
Trichloroethene	9030386			ug/L	N/A	1.00	<1.00								
Trichlorofluoromethane	9030386			ug/L	N/A	4.00	<4.00								
1,2,3-Trichloropropane	9030386			ug/L	N/A	1.00	<1.00								
1,2,4-Trimethylbenzene	9030386			ug/L	N/A	1.00	<1.00								
1,3,5-Trimethylbenzene	9030386			ug/L	N/A	1.00	<1.00								
Vinyl chloride	9030386			ug/L	N/A	1.00	<1.00								
Xylenes, total	9030386			ug/L	N/A	3.00	<3.00								
Surrogate: Dibromofluoromethane	9030386			ug/L					101		80-120				
Surrogate: Toluene-d8	9030386			ug/L					93		80-110				
Surrogate: 4-Bromofluorobenzene	9030386			ug/L					88		65-115				

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
Volatile Organic Compounds													
Acetone	9030386		20.0	ug/L	N/A	N/A	26.5		132	50-145			
Acrylonitrile	9030386		20.0	ug/L	N/A	N/A	22.6		113	50-145			
Benzene	9030386		20.0	ug/L	N/A	N/A	21.3		107	75-125			
Bromobenzene	9030386		20.0	ug/L	N/A	N/A	20.8		104	75-120			
Bromochloromethane	9030386		20.0	ug/L	N/A	N/A	22.4		112	70-140			
Bromodichloromethane	9030386		20.0	ug/L	N/A	N/A	20.6		103	75-115			
Bromoform	9030386		20.0	ug/L	N/A	N/A	19.0		95	55-115			
Bromomethane	9030386		20.0	ug/L	N/A	N/A	19.0		95	40-130			
2-Butanone (MEK)	9030386		20.0	ug/L	N/A	N/A	21.4		107	50-140			
n-Butylbenzene	9030386		20.0	ug/L	N/A	N/A	20.8		104	65-130			
sec-Butylbenzene	9030386		20.0	ug/L	N/A	N/A	20.6		103	70-125			
tert-Butylbenzene	9030386		20.0	ug/L	N/A	N/A	20.3		101	70-125			
Carbon disulfide	9030386		20.0	ug/L	N/A	N/A	22.6		113	55-130			
Carbon Tetrachloride	9030386		20.0	ug/L	N/A	N/A	19.2		96	65-120			
Chlorobenzene	9030386		20.0	ug/L	N/A	N/A	21.2		106	75-115			
Chlorodibromomethane	9030386		20.0	ug/L	N/A	N/A	20.7		104	65-110			
Chloroethane	9030386		20.0	ug/L	N/A	N/A	22.6		113	60-145			
Chloroform	9030386		20.0	ug/L	N/A	N/A	22.4		112	70-125			
Chloromethane	9030386		20.0	ug/L	N/A	N/A	21.5		108	35-130			
2-Chlorotoluene	9030386		20.0	ug/L	N/A	N/A	20.9		105	75-125			
4-Chlorotoluene	9030386		20.0	ug/L	N/A	N/A	21.0		105	70-125			
1,2-Dibromo-3-chloropropane	9030386		20.0	ug/L	N/A	N/A	18.8		94	35-120			
1,2-Dibromoethane (EDB)	9030386		20.0	ug/L	N/A	N/A	21.1		106	75-120			
Dibromomethane	9030386		20.0	ug/L	N/A	N/A	22.0		110	75-125			
1,2-Dichlorobenzene	9030386		20.0	ug/L	N/A	N/A	20.5		103	70-115			
1,3-Dichlorobenzene	9030386		20.0	ug/L	N/A	N/A	21.5		108	70-120			
1,4-Dichlorobenzene	9030386		20.0	ug/L	N/A	N/A	19.2		96	70-120			
Dichlorodifluoromethane	9030386		20.0	ug/L	N/A	N/A	12.7		64	50-140			
1,1-Dichloroethane	9030386		20.0	ug/L	N/A	N/A	21.5		108	50-145			
1,2-Dichloroethane	9030386		20.0	ug/L	N/A	N/A	22.0		110	70-130			
1,1-Dichloroethene	9030386		20.0	ug/L	N/A	N/A	22.0		110	65-135			
cis-1,2-Dichloroethene	9030386		20.0	ug/L	N/A	N/A	22.5		112	75-130			
trans-1,2-Dichloroethene	9030386		20.0	ug/L	N/A	N/A	20.7		104	65-130			
1,2-Dichloropropane	9030386		20.0	ug/L	N/A	N/A	22.4		112	70-125			
1,3-Dichloropropane	9030386		20.0	ug/L	N/A	N/A	22.2		111	75-125			
2,2-Dichloropropane	9030386		20.0	ug/L	N/A	N/A	18.7		93	35-130			
1,1-Dichloropropene	9030386		20.0	ug/L	N/A	N/A	21.1		105	65-130			
cis-1,3-Dichloropropene	9030386		20.0	ug/L	N/A	N/A	20.7		104	55-115			
trans-1,3-Dichloropropene	9030386		20.0	ug/L	N/A	N/A	19.9		100	45-120			
Ethylbenzene	9030386		20.0	ug/L	N/A	N/A	20.8		104	75-125			
Hexachlorobutadiene	9030386		20.0	ug/L	N/A	N/A	17.8		89	65-110			
Hexane	9030386		20.0	ug/L	N/A	N/A	18.7		94	50-135			
Isopropylbenzene	9030386		20.0	ug/L	N/A	N/A	19.7		98	75-120			
p-Isopropyltoluene	9030386		20.0	ug/L	N/A	N/A	20.3		102	70-125			
Methylene Chloride	9030386		20.0	ug/L	N/A	N/A	23.7		119	65-135			

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LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
Volatile Organic Compounds														
Methyl tert-Butyl Ether	9030386		20.0	ug/L	N/A	N/A	21.8		109		60-135			
Naphthalene	9030386		20.0	ug/L	N/A	N/A	19.7		98		25-120			
n-Propylbenzene	9030386		20.0	ug/L	N/A	N/A	21.0		105		65-125			
Styrene	9030386		20.0	ug/L	N/A	N/A	20.7		104		70-120			
1,1,1,2-Tetrachloroethane	9030386		20.0	ug/L	N/A	N/A	20.6		103		75-115			
1,1,2,2-Tetrachloroethane	9030386		20.0	ug/L	N/A	N/A	21.7		109		70-120			
Tetrachloroethene	9030386		20.0	ug/L	N/A	N/A	19.8		99		70-120			
Toluene	9030386		20.0	ug/L	N/A	N/A	20.7		103		75-120			
1,2,3-Trichlorobenzene	9030386		20.0	ug/L	N/A	N/A	18.1		91		30-125			
1,2,4-Trichlorobenzene	9030386		20.0	ug/L	N/A	N/A	18.0		90		50-110			
1,1,1-Trichloroethane	9030386		20.0	ug/L	N/A	N/A	19.8		99		70-120			
1,1,2-Trichloroethane	9030386		20.0	ug/L	N/A	N/A	22.0		110		75-120			
Trichloroethene	9030386		20.0	ug/L	N/A	N/A	21.4		107		75-120			
Trichlorofluoromethane	9030386		20.0	ug/L	N/A	N/A	20.7		103		65-130			
1,2,3-Trichloropropane	9030386		20.0	ug/L	N/A	N/A	21.4		107		75-120			
1,2,4-Trimethylbenzene	9030386		20.0	ug/L	N/A	N/A	21.1		106		70-120			
1,3,5-Trimethylbenzene	9030386		20.0	ug/L	N/A	N/A	20.7		103		75-125			
Vinyl chloride	9030386		20.0	ug/L	N/A	N/A	20.7		104		60-135			
Xylenes, total	9030386		60.0	ug/L	N/A	N/A	62.7		104		75-125			
Surrogate: Dibromofluoromethane	9030386			ug/L					101		80-115			
Surrogate: Toluene-d8	9030386			ug/L					98		85-115			
Surrogate: 4-Bromofluorobenzene	9030386			ug/L					93		80-115			

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Reported: 03/12/09 15:30

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CSC0391-10														
Acetone	9030386	<10.0	20.0	ug/L	N/A	N/A	27.4	27.1	137	136	50-145	1	35	
Acrylonitrile	9030386	<10.0	20.0	ug/L	N/A	N/A	21.1	22.7	106	114	50-145	7	35	
Benzene	9030386	2.56	20.0	ug/L	N/A	N/A	22.8	22.4	101	99	70-125	2	15	
Bromobenzene	9030386	<1.00	20.0	ug/L	N/A	N/A	19.4	19.4	97	97	75-120	0	15	
Bromochloromethane	9030386	<5.00	20.0	ug/L	N/A	N/A	20.4	20.3	102	102	70-140	1	20	
Bromodichloromethane	9030386	<1.00	20.0	ug/L	N/A	N/A	18.6	18.5	93	92	70-120	1	20	
Bromoform	9030386	<5.00	20.0	ug/L	N/A	N/A	17.4	17.0	87	85	50-120	2	20	
Bromomethane	9030386	<4.00	20.0	ug/L	N/A	N/A	17.4	17.7	87	88	40-135	2	30	
2-Butanone (MEK)	9030386	<10.0	20.0	ug/L	N/A	N/A	17.7	19.3	88	96	50-145	9	35	
n-Butylbenzene	9030386	0.400	20.0	ug/L	N/A	N/A	19.3	19.7	94	96	55-130	2	20	
sec-Butylbenzene	9030386	0.740	20.0	ug/L	N/A	N/A	19.7	20.0	95	96	65-125	1	20	
tert-Butylbenzene	9030386	0.300	20.0	ug/L	N/A	N/A	18.8	19.2	93	94	55-135	2	20	
Carbon disulfide	9030386	<1.00	20.0	ug/L	N/A	N/A	21.3	19.4	107	97	45-125	9	25	
Carbon Tetrachloride	9030386	<2.00	20.0	ug/L	N/A	N/A	18.6	18.1	93	90	60-115	3	20	
Chlorobenzene	9030386	4.87	20.0	ug/L	N/A	N/A	24.8	25.6	100	103	70-115	3	15	
Chlorodibromomethane	9030386	<5.00	20.0	ug/L	N/A	N/A	18.9	18.2	94	91	55-125	4	20	
Chloroethane	9030386	4.84	20.0	ug/L	N/A	N/A	26.3	25.5	107	103	60-140	3	20	
Chloroform	9030386	<1.00	20.0	ug/L	N/A	N/A	19.7	19.4	98	97	65-125	1	20	
Chloromethane	9030386	<3.00	20.0	ug/L	N/A	N/A	18.7	19.8	93	99	30-125	6	35	
2-Chlorotoluene	9030386	<1.00	20.0	ug/L	N/A	N/A	20.0	20.0	100	100	65-125	0	25	
4-Chlorotoluene	9030386	<1.00	20.0	ug/L	N/A	N/A	20.1	20.4	101	102	65-130	1	20	
1,2-Dibromo-3-chloropropane	9030386	<10.0	20.0	ug/L	N/A	N/A	17.8	19.8	89	99	45-140	11	35	
1,2-Dibromoethane (EDB)	9030386	<10.0	20.0	ug/L	N/A	N/A	19.6	20.4	98	102	70-130	4	15	
Dibromomethane	9030386	<1.00	20.0	ug/L	N/A	N/A	20.8	20.2	104	101	75-130	3	25	
1,2-Dichlorobenzene	9030386	2.25	20.0	ug/L	N/A	N/A	20.8	21.5	93	96	75-120	3	20	
1,3-Dichlorobenzene	9030386	<1.00	20.0	ug/L	N/A	N/A	19.3	18.6	96	93	70-120	4	20	
1,4-Dichlorobenzene	9030386	7.28	20.0	ug/L	N/A	N/A	24.9	25.1	88	89	65-125	1	20	
Dichlorodifluoromethane	9030386	0.270	20.0	ug/L	N/A	N/A	13.1	12.8	64	63	40-130	2	20	
1,1-Dichloroethane	9030386	18.6	20.0	ug/L	N/A	N/A	36.0	36.1	87	87	55-135	0	20	
1,2-Dichloroethane	9030386	1.53	20.0	ug/L	N/A	N/A	21.7	21.6	101	100	60-140	1	30	
1,1-Dichloroethene	9030386	<2.00	20.0	ug/L	N/A	N/A	21.5	21.0	108	105	55-130	3	20	
cis-1,2-Dichloroethene	9030386	9.34	20.0	ug/L	N/A	N/A	28.0	27.6	93	91	65-135	2	20	
trans-1,2-Dichloroethene	9030386	0.580	20.0	ug/L	N/A	N/A	20.6	20.4	100	99	60-125	1	20	
1,2-Dichloropropane	9030386	1.84	20.0	ug/L	N/A	N/A	22.0	21.7	101	99	65-125	2	20	
1,3-Dichloropropane	9030386	<1.00	20.0	ug/L	N/A	N/A	20.9	20.5	105	103	70-125	2	15	
2,2-Dichloropropane	9030386	<4.00	20.0	ug/L	N/A	N/A	17.9	18.2	90	91	30-125	1	35	
1,1-Dichloropropene	9030386	<1.00	20.0	ug/L	N/A	N/A	20.2	20.3	101	101	55-130	0	20	
cis-1,3-Dichloropropene	9030386	<5.00	20.0	ug/L	N/A	N/A	18.9	18.4	95	92	55-115	3	20	
trans-1,3-Dichloropropene	9030386	0.190	20.0	ug/L	N/A	N/A	18.2	18.7	90	92	40-120	2	20	
Ethylbenzene	9030386	<1.00	20.0	ug/L	N/A	N/A	19.6	20.8	98	104	65-125	6	15	
Hexachlorobutadiene	9030386	1.02	20.0	ug/L	N/A	N/A	17.8	16.9	84	79	50-130	5	25	
Hexane	9030386	<1.00	20.0	ug/L	N/A	N/A	18.2	18.0	91	90	35-125	1	20	
Isopropylbenzene	9030386	0.260	20.0	ug/L	N/A	N/A	18.9	19.1	93	94	60-130	1	20	
p-Isopropyltoluene	9030386	0.330	20.0	ug/L	N/A	N/A	19.5	19.5	96	96	65-125	0	20	
Methylene Chloride	9030386	2.81	20.0	ug/L	N/A	N/A	21.5	20.8	93	90	60-135	3	20	

THE LEADER IN ENVIRONMENTAL TESTING

ATC ASSOCIATES - OMAHA
1571 42nd Lane
Cumming, IA 50061
Mike Freese

Work Order: CSC0371
Project: Rumely Bldg - Des Moines, IA
Project Number: 07.25094.0001

Received: 03/06/09
Reported: 03/12/09 15:30

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	Units	MDL	MRL	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD RPD	RPD Limit	Q
Volatile Organic Compounds														
QC Source Sample: CSC0391-10														
Methyl tert-Butyl Ether	9030386	1.69	20.0	ug/L	N/A	N/A	21.7	22.0	100	101	50-145	1	25	
Naphthalene	9030386	0.840	20.0	ug/L	N/A	N/A	19.6	19.8	94	95	55-150	1	35	
n-Propylbenzene	9030386	<1.00	20.0	ug/L	N/A	N/A	19.5	20.6	97	103	50-130	6	30	
Styrene	9030386	<1.00	20.0	ug/L	N/A	N/A	19.6	19.8	98	99	30-125	1	30	
1,1,1,2-Tetrachloroethane	9030386	<1.00	20.0	ug/L	N/A	N/A	19.4	19.8	97	99	70-120	2	15	
1,1,2,2-Tetrachloroethane	9030386	<1.00	20.0	ug/L	N/A	N/A	20.8	21.4	104	107	65-135	3	20	
Tetrachloroethene	9030386	<1.00	20.0	ug/L	N/A	N/A	19.0	19.5	95	97	60-125	3	20	
Toluene	9030386	0.320	20.0	ug/L	N/A	N/A	20.4	20.8	101	103	60-130	2	15	
1,2,3-Trichlorobenzene	9030386	<5.00	20.0	ug/L	N/A	N/A	18.0	17.4	90	87	55-150	4	35	
1,2,4-Trichlorobenzene	9030386	0.560	20.0	ug/L	N/A	N/A	17.1	16.6	83	80	60-130	3	30	
1,1,1-Trichloroethane	9030386	<1.00	20.0	ug/L	N/A	N/A	19.4	19.2	97	96	60-120	1	20	
1,1,2-Trichloroethane	9030386	<1.00	20.0	ug/L	N/A	N/A	20.5	20.6	102	103	70-125	0	20	
Trichloroethene	9030386	0.730	20.0	ug/L	N/A	N/A	20.3	20.3	98	98	60-120	0	30	
Trichlorofluoromethane	9030386	<4.00	20.0	ug/L	N/A	N/A	20.4	19.9	102	100	60-125	2	20	
1,2,3-Trichloropropane	9030386	<1.00	20.0	ug/L	N/A	N/A	20.3	20.7	101	103	70-125	2	20	
1,2,4-Trimethylbenzene	9030386	<1.00	20.0	ug/L	N/A	N/A	19.8	20.0	99	100	35-130	1	35	
1,3,5-Trimethylbenzene	9030386	<1.00	20.0	ug/L	N/A	N/A	19.8	20.0	99	100	40-135	1	30	
Vinyl chloride	9030386	3.88	20.0	ug/L	N/A	N/A	23.6	23.5	99	98	55-130	0	20	
Xylenes, total	9030386	<3.00	60.0	ug/L	N/A	N/A	59.2	61.3	99	102	50-135	4	35	
Surrogate: Dibromofluoromethane	9030386			ug/L					99	99	85-120			
Surrogate: Toluene-d8	9030386			ug/L					98	102	85-115			
Surrogate: 4-Bromofluorobenzene	9030386			ug/L					93	95	75-115			

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DATA QUALIFIERS AND DEFINITIONS

S2 Compound is a common lab solvent and contaminant.

ADDITIONAL COMMENTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

704 ENTERPRISE DRIVE • CEDAR FALLS, IA 50613
800-750-2401 • 319-277-2425 FAX

Sample Receipt and Temperature Log Form

Client: ATC Associates

Project: Rumely Bldg

City: Cumming, IA

Date: 3/6/09 Receiver's Initials: MRB Time (Delivered): 18:00

Temperature Record:

Cooler ID# (If Applicable) <u>1.3</u> °C / <u>On Ice</u>
--

Thermometer:

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

Courier:

<input type="checkbox"/> UPS	<input checked="" type="checkbox"/> TA Courier
<input type="checkbox"/> FedEx	<input type="checkbox"/> TA Field Services
<input type="checkbox"/> FedEx Ground	<input type="checkbox"/> Client
<input type="checkbox"/> US Postal Service	<input type="checkbox"/> Other
<input type="checkbox"/> Spee-Dee	

Temp Blank

Temperature out of compliance

Custody seals present?

Yes

Custody seals intact?

Yes No

Non-Conformance report started

Exceptions Noted

<input type="checkbox"/> Sample(s) not received in a cooler.
<input type="checkbox"/> Samples(s) received same day of sampling.
<input type="checkbox"/> Evidence of a chilling process
<input type="checkbox"/> Temperature not taken:

*Refer to SOP CF-SS-01 for Temperature Criteria

P:\QA Forms & Log Book pgs\Cooler Receipt rev14.doc