Kuehling, Harlan H - DNR

From: Kevin Olson [KEVINO@msa-ps.com]
Sent: Thursday, April 26, 2007 11:44 AM
To: Kuehling, Harlan H - DNR
Cc: Steve Zibell
Subject: RE: Reedsburg Fire Station

Hank, thanks for the feedback.

>>> "Kuehling, Harlan H - DNR" <Harlan.Kuehling@Wisconsin.gov> 4/26/2007 11:09 AM >>>
Hi, Kevin,
To reinforce what you and I discussed for this site earlier this week, I spoke with my boss about this site, with the outcome essentially what you and I concluded. DNR won't issue a "responsible party" letter to the City of Reedsburg at this time because of the likelihood that the CVOCs and PVOCs found in the fire station sumps are coming from off-site. Although the off-site contamination sources may be the Reedsburg Cleaners and Spellman Monument sites, it would be prudent to do what you were already going to suggest to the City - that is, to review past uses of or activities on the Fire Station property to determine is any of these past uses may have led to a contaminant discharge that would be in addition to the possible off-site sources. Remedial action has been completed at both the Reedsburg Cleaners and Spellman Monument sites and more will be done in the future. But if there is a contaminant source on the Fire Station site, it should also be addressed to further clean up the contaminated groundwater on the property.

Hank

From: Kevin Olson [mailto:KEVINO@msa-ps.com]
Sent: Thursday, April 12, 2007 3:06 PM
To: Kuehling, Harlan H - DNR
Cc: Steve Zibell
Subject: Fwd: Reedsburg Fire Station

Hi Hank,

Just following up to see if you'd had a chance to review the following information regarding the Reedsburg Fire Station. I've been holding off on recommending additional work pending your response to the City. If you have questions or would like to discuss, feel free to give me a call.

Kevin

>>> Kevin Olson 3/13/2007 1:40 PM >>>
Hank:

Results of water tests from sumps and groundwater from the basement of the Reedsburg Fire Station are attached. The water contains high levels of petroleum and chlorinated chemicals.

The sumps and groundwater were sampled to determine the cause of strong petroleum odors which have been present in the basement of the Fire Station for many years (decades?). I don't have a concise history at this time; however, it is my understanding that the basement was used for office space and storage many years ago when the building was originallly built. At some point 10 to 15 (?) years ago, the petroleum odor became evident and the petroleum odor eventually forced the City to abandon all use of the basement. Other than abandoning the space and installing a door to block vapors from

coming up the stairs, no other actions were taken until recently. The City is currently considering space needs and remodelling projects for several City-owned facilities, which prompted their inquiry about the petroleum odors and options regarding the basement. The City contacted MSA regarding the odor two weeks ago. MSA sampled the sumps and groundwater on March 1, 2007. The laboratory report for the samples was received today and is attached for your information. No organic vapors were measurable in the basement using a photoionization detector.

The Reedsburg Fire Station is located at 131 South Park Street in Reedsburg, WI. It is on the northeast corner of South Park and Vine Streets. The floor of the basement is three or four feet BELOW the normal groundwater elevation, as measured in an existing monitoring well on the corner of Park and Vine Streets, and based on water stains on the basement wall. The water level is controlled by pumping from three sumps which I understand collect water from an exterior drain system and discharge to the City sanitary sewer. The building is immediately downgradient from Spellman Monument and also downgradient from a former dry cleaning facility, both of which are located at Locust and Main Street. It is not known if either Spellman Monument or the dry cleaner is the source of the contamination in the basement of the fire station, but both are clearly potential sources. Additional investigation will be required to determine if other potential sources of contamination exist in the area.

I will be submitting a proposal to the City next week regarding additional investigation, including research to identify potential sources of the contamination and an evaluation of options to make the basement safe and functional.

The contact at the City of Reedsburg is Steven Zibell, City Engineer, P.O. Box 490, 53959-0490, 608-524-6404. Please contact Steve or me if you need additional information at this time.

Kevin L. Olson
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ANALYTICAL REPORT

MSA PROFESSIONAL SERVICES
KEVIN OLSON
1230 SOUTH BLVD
BARABOO, WI 53913

Project Name: REEDSBURG FD
Contract #: 1269
Project #: 9990005
Folder #: 58994
Purchase Order #:
Arrival Temperature: See COC

Report Date: 3/13/2007
Date Received: 3/1/2007

Reprint Date:

CT Lab#: 456761 Sample Description: FLOOR NE Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<7.0	ug/L	7.0	24	10.0			3/9/2007	APG	EPA 8260B
1,1,1-Trichloroethane	<5.0	ug/L	5.0	16	10.0			3/9/2007	APG	EPA 8260B
1,1,2,2-Tetrachloroethane	<1.3	ug/L	1.3	4.3	10.0			3/9/2007	APG	EPA 8260B
1,1,2-Trichloroethane	<5.0	ug/L	5.0	18	10.0			3/9/2007	APG	EPA 8260B
1,1-Dichloroethane	<4.0	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
1,1-Dichloroethene	<3.0	ug/L	3.0	12	10.0			3/9/2007	APG	EPA 8260B
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
1,2,4-Trichlorobenzene	<7.0	ug/L	7.0	23	10.0			3/9/2007	APG	EPA 8260B
1,2,4-Trimethylbenzene	59	ug/L	5.0	16	10.0			3/9/2007	APG	EPA 8260B
1,2-Dibromo-3-chloropropane	<3.0	ug/L	3.0	12	10.0			3/9/2007	APG	EPA 8260B
1,2-Dibromoethane	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
1,2-Dichlorobenzene	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
1,2-Dichloroethane	<5.0	ug/L	5.0	15	10.0			3/9/2007	APG	EPA 8260B
cis-1,2-Dichloroethene	180	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
trans-1,2-Dichloroethene	<4.0	ug/L	4.0	15	10.0			3/9/2007	APG	EPA 8260B
1,2-Dichloropropane	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
1,3,5-Trimethylbenzene	12	ug/L	4.0	* 14	10.0			3/9/2007	APG	EPA 8260B
1,3-Dichlorobenzene	<4.0	ug/L	4.0	15	10.0			3/9/2007	APG	EPA 8260B
1,3-Dichloropropane	<5.0	ug/L	5.0	18	10.0			3/9/2007	APG	EPA 8260B
1,4-Dichlorobenzene	<6.0	ug/L	6.0	20	10.0			3/9/2007	APG	EPA 8260B
2,2-Dichloropropane	<6.0	ug/L	6.0	19	10.0			3/9/2007	APG	EPA 8260B
2-Chlorotoluene	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
4-Chlorotoluene	<6.0	ug/L	6.0	20	10.0			3/9/2007	APG	EPA 8260B

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289
LA NELAP Certification Number: 04091

Solid sample results reported on a Dry Weight Basis

CT Lab#: 456761 Sample Description: FLOOR NE Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Benzene	890	ug/L	20	65	50.0			3/12/2007	APG	EPA 8260B
Bromobenzene	<6.0	ug/L	6.0	21	10.0			3/9/2007	APG	EPA 8260B
Bromodichloromethane	<1.5	ug/L	1.5	5.1	10.0			3/9/2007	APG	EPA 8260B
n-Butylbenzene	<4.0	ug/L	4.0	13	10.0			3/9/2007	APG	EPA 8260B
sec-Butylbenzene	<5.0	ug/L	5.0	16	10.0			3/9/2007	APG	EPA 8260B
tert-Butylbenzene	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
Carbon tetrachloride	<5.0	ug/L	5.0	18	10.0			3/9/2007	APG	EPA 8260B
Chlorobenzene	<4.0	ug/L	4.0	15	10.0			3/9/2007	APG	EPA 8260B
Chlorodibromomethane	<2.8	ug/L	2.8	9.5	10.0			3/9/2007	APG	EPA 8260B
Chloroethane	<6.0	ug/L	6.0	20	10.0			3/9/2007	APG	EPA 8260B
Chloroform	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
Chloromethane	<3.0	ug/L	3.0	11	10.0			3/9/2007	APG	EPA 8260B
Dichlorodifluoromethane	<2.9	ug/L	2.9	9.7	10.0			3/9/2007	APG	EPA 8260B
Diisopropyl ether	<4.0	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
Ethylbenzene	230	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
Hexachlorobutadiene	<9.0	ug/L	9.0	29	10.0			3/9/2007	APG	EPA 8260B
Isopropylbenzene	8.9	ug/L	6.0	22	10.0	*		3/9/2007	APG	EPA 8260B
p-Isopropyltoluene	<4.0	ug/L	4.0	15	10.0			3/9/2007	APG	EPA 8260B
Methyl tert-butyl ether	<4.0	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
Methylene chloride	<10	ug/L	10	32	10.0			3/9/2007	APG	EPA 8260B
Naphthalene	32	ug/L	7.0	23	10.0			3/9/2007	APG	EPA 8260B
n-Propylbenzene	19	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
Tetrachloroethene	<2.9	ug/L	2.9	9.8	10.0			3/9/2007	APG	EPA 8260B
Toluene	570	ug/L	20	70	50.0			3/12/2007	APG	EPA 8260B
Trichloroethene	17	ug/L	1.5	5.0	10.0			3/9/2007	APG	EPA 8260B
Trichlorofluoromethane	<7.0	ug/L	7.0	25	10.0			3/9/2007	APG	EPA 8260B
Vinyl chloride	<1.5	ug/L	1.5	5.1	10.0			3/9/2007	APG	EPA 8260B
m & p-Xylene	180	ug/L	9.0	30	10.0			3/9/2007	APG	EPA 8260B
o-Xylene	70	ug/L	6.0	19	10.0			3/9/2007	APG	EPA 8260B

CT Lab#: 456762 Sample Description: SUMP EAST Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1.0			3/8/2007	APG	EPA 8260B
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.6	1.0			3/8/2007	APG	EPA 8260B

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289
LA NELAP Certification Number: 04091

Solid sample results reported on a Dry Weight Basis

CT Lab#: 456762 Sample Description: SUMP EAST Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1,1,2,2-Tetrachloroethane	<0.13	ug/L	0.13	0.43	1.0			3/8/2007	APG	EPA 8260B
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1.8	1.0			3/8/2007	APG	EPA 8260B
1,1-Dichloroethane	<0.40	ug/L	0.40	1.4	1.0			3/8/2007	APG	EPA 8260B
1,1-Dichloroethene	<0.30	ug/L	0.30	1.2	1.0			3/8/2007	APG	EPA 8260B
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
1,2,4-Trichlorobenzene	<0.70	ug/L	0.70	2.3	1.0			3/8/2007	APG	EPA 8260B
1,2,4-Trimethylbenzene	40	ug/L	10	32	20.0			3/12/2007	APG	EPA 8260B
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.2	1.0			3/8/2007	APG	EPA 8260B
1,2-Dibromoethane	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
1,2-Dichloroethane	<0.50	ug/L	0.50	1.5	1.0			3/8/2007	APG	EPA 8260B
cis-1,2-Dichloroethene	54	ug/L	8.0	28	20.0			3/12/2007	APG	EPA 8260B
trans-1,2-Dichloroethene	<0.40	ug/L	0.40	1.5	1.0			3/8/2007	APG	EPA 8260B
1,2-Dichloropropane	0.86	ug/L	0.50	1.7	1.0	*		3/8/2007	APG	EPA 8260B
1,3,5-Trimethylbenzene	7.4	ug/L	0.40	1.4	1.0			3/8/2007	APG	EPA 8260B
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.5	1.0			3/8/2007	APG	EPA 8260B
1,3-Dichloropropane	<0.50	ug/L	0.50	1.8	1.0			3/8/2007	APG	EPA 8260B
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1.0			3/8/2007	APG	EPA 8260B
2,2-Dichloropropane	<0.60	ug/L	0.60	1.9	1.0			3/8/2007	APG	EPA 8260B
2-Chlorotoluene	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
4-Chlorotoluene	<0.60	ug/L	0.60	2.0	1.0			3/8/2007	APG	EPA 8260B
Benzene	450	ug/L	8.0	26	20.0			3/12/2007	APG	EPA 8260B
Bromobenzene	<0.60	ug/L	0.60	2.1	1.0			3/8/2007	APG	EPA 8260B
Bromodichloromethane	<0.15	ug/L	0.15	0.51	1.0			3/8/2007	APG	EPA 8260B
n-Butylbenzene	1.7	ug/L	0.40	1.3	1.0			3/8/2007	APG	EPA 8260B
sec-Butylbenzene	0.82	ug/L	0.50	1.6	1.0	*		3/8/2007	APG	EPA 8260B
tert-Butylbenzene	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
Carbon tetrachloride	<0.50	ug/L	0.50	1.8	1.0			3/8/2007	APG	EPA 8260B
Chlorobenzene	<0.40	ug/L	0.40	1.5	1.0			3/8/2007	APG	EPA 8260B
Chlorodibromomethane	<0.28	ug/L	0.28	0.95	1.0			3/8/2007	APG	EPA 8260B
Chloroethane	<0.60	ug/L	0.60	2.0	1.0			3/8/2007	APG	EPA 8260B
Chloroform	1.1	ug/L	0.50	1.7	1.0	*		3/8/2007	APG	EPA 8260B
Chloromethane	2.2	ug/L	0.30	1.1	1.0			3/8/2007	APG	EPA 8260B
Dichlorodifluoromethane	<0.29	ug/L	0.29	0.97	1.0			3/8/2007	APG	EPA 8260B
Diisopropyl ether	<0.40	ug/L	0.40	1.4	1.0			3/8/2007	APG	EPA 8260B
Ethylbenzene	110	ug/L	10	34	20.0			3/12/2007	APG	EPA 8260B
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1.0			3/8/2007	APG	EPA 8260B

Solid sample results reported on a Dry Weight Basis

CT Lab#: 456762 Sample Description: SUMP EAST Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Isopropylbenzene	6.8	ug/L	0.60	2.2	1.0			3/8/2007	APG	EPA 8260B
p-Isopropyltoluene	<0.40	ug/L	0.40	1.5	1.0			3/8/2007	APG	EPA 8260B
Methyl tert-butyl ether	<0.40	ug/L	0.40	1.4	1.0			3/8/2007	APG	EPA 8260B
Methylene chloride	<1.0	ug/L	1.0	3.2	1.0			3/8/2007	APG	EPA 8260B
Naphthalene	20	ug/L	0.70	2.3	1.0			3/8/2007	APG	EPA 8260B
n-Propylbenzene	13	ug/L	0.40	1.4	1.0			3/8/2007	APG	EPA 8260B
Tetrachloroethene	0.95	ug/L	0.29	0.98	1.0	*		3/8/2007	APG	EPA 8260B
Toluene	300	ug/L	8.0	28	20.0			3/12/2007	APG	EPA 8260B
Trichloroethene	6.8	ug/L	0.15	0.50	1.0			3/8/2007	APG	EPA 8260B
Trichlorofluoromethane	<0.70	ug/L	0.70	2.5	1.0			3/8/2007	APG	EPA 8260B
Vinyl chloride	0.24	ug/L	0.15	0.51	1.0	*		3/8/2007	APG	EPA 8260B
m & p-Xylene	130	ug/L	18	60	20.0			3/12/2007	APG	EPA 8260B
o-Xylene	47	ug/L	12	38	20.0			3/12/2007	APG	EPA 8260B

CT Lab#: 456763 Sample Description: SUMP SOUTH Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<1.4	ug/L	1.4	4.8	2.0			3/8/2007	APG	EPA 8260B
1,1,1-Trichloroethane	<1.0	ug/L	1.0	3.2	2.0			3/8/2007	APG	EPA 8260B
1,1,2,2-Tetrachloroethane	<0.26	ug/L	0.26	0.86	2.0			3/8/2007	APG	EPA 8260B
1,1,2-Trichloroethane	<1.0	ug/L	1.0	3.6	2.0			3/8/2007	APG	EPA 8260B
1,1-Dichloroethane	<0.80	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
1,1-Dichloroethene	<0.60	ug/L	0.60	2.4	2.0			3/8/2007	APG	EPA 8260B
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
1,2,4-Trichlorobenzene	<1.4	ug/L	1.4	4.6	2.0			3/8/2007	APG	EPA 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	3.2	2.0			3/8/2007	APG	EPA 8260B
1,2-Dibromo-3-chloropropane	<0.60	ug/L	0.60	2.4	2.0			3/8/2007	APG	EPA 8260B
1,2-Dibromoethane	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
1,2-Dichlorobenzene	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
1,2-Dichloroethane	<1.0	ug/L	1.0	3.0	2.0			3/8/2007	APG	EPA 8260B
cis-1,2-Dichloroethene	20	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
trans-1,2-Dichloroethene	<0.80	ug/L	0.80	3.0	2.0			3/8/2007	APG	EPA 8260B
1,2-Dichloropropane	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
1,3,5-Trimethylbenzene	<0.80	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
1,3-Dichlorobenzene	<0.80	ug/L	0.80	3.0	2.0			3/8/2007	APG	EPA 8260B

Solid sample results reported on a Dry Weight Basis

CT Lab#: 456763 Sample Description: SUMP SOUTH Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1,3-Dichloropropane	<1.0	ug/L	1.0	3.6	2.0			3/8/2007	APG	EPA 8260B
1,4-Dichlorobenzene	<1.2	ug/L	1.2	4.0	2.0			3/8/2007	APG	EPA 8260B
2,2-Dichloropropane	<1.2	ug/L	1.2	3.8	2.0			3/8/2007	APG	EPA 8260B
2-Chlorotoluene	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
4-Chlorotoluene	<1.2	ug/L	1.2	4.0	2.0			3/8/2007	APG	EPA 8260B
Benzene	3.9	ug/L	0.80	2.6	2.0			3/8/2007	APG	EPA 8260B
Bromobenzene	<1.2	ug/L	1.2	4.2	2.0			3/8/2007	APG	EPA 8260B
Bromodichloromethane	<0.30	ug/L	0.30	1.0	2.0			3/8/2007	APG	EPA 8260B
n-Butylbenzene	<0.80	ug/L	0.80	2.6	2.0			3/8/2007	APG	EPA 8260B
sec-Butylbenzene	<1.0	ug/L	1.0	3.2	2.0			3/8/2007	APG	EPA 8260B
tert-Butylbenzene	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
Carbon tetrachloride	<1.0	ug/L	1.0	3.6	2.0			3/8/2007	APG	EPA 8260B
Chlorobenzene	<0.80	ug/L	0.80	3.0	2.0			3/8/2007	APG	EPA 8260B
Chlorodibromomethane	<0.56	ug/L	0.56	1.9	2.0			3/8/2007	APG	EPA 8260B
Chloroethane	<1.2	ug/L	1.2	4.0	2.0			3/8/2007	APG	EPA 8260B
Chloroform	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
Chloromethane	<0.60	ug/L	0.60	2.2	2.0			3/8/2007	APG	EPA 8260B
Dichlorodifluoromethane	<0.58	ug/L	0.58	1.9	2.0			3/8/2007	APG	EPA 8260B
Diisopropyl ether	<0.80	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
Ethylbenzene	1.1	ug/L	1.0	3.4	2.0	*		3/8/2007	APG	EPA 8260B
Hexachlorobutadiene	<1.8	ug/L	1.8	5.8	2.0			3/8/2007	APG	EPA 8260B
Isopropylbenzene	<1.2	ug/L	1.2	4.4	2.0			3/8/2007	APG	EPA 8260B
p-Isopropyltoluene	<0.80	ug/L	0.80	3.0	2.0			3/8/2007	APG	EPA 8260B
Methyl tert-butyl ether	2.6	ug/L	0.80	2.8	2.0	*		3/8/2007	APG	EPA 8260B
Methylene chloride	2.3	ug/L	2.0	6.4	2.0	*		3/8/2007	APG	EPA 8260B
Naphthalene	<1.4	ug/L	1.4	4.6	2.0			3/8/2007	APG	EPA 8260B
n-Propylbenzene	<0.80	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
Tetrachloroethene	16	ug/L	0.58	2.0	2.0			3/8/2007	APG	EPA 8260B
Toluene	<0.80	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
Trichloroethene	40	ug/L	0.30	1.0	2.0			3/8/2007	APG	EPA 8260B
Trichlorofluoromethane	<1.4	ug/L	1.4	5.0	2.0			3/8/2007	APG	EPA 8260B
Vinyl chloride	<0.30	ug/L	0.30	1.0	2.0			3/8/2007	APG	EPA 8260B
m & p-Xylene	<1.8	ug/L	1.8	6.0	2.0			3/8/2007	APG	EPA 8260B
o-Xylene	<1.2	ug/L	1.2	3.8	2.0			3/8/2007	APG	EPA 8260B

Solid sample results reported on a Dry Weight Basis

Notes regarding entire Chain of Custody:

Notes: * Indicates Value in between LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

Submitted by: _____

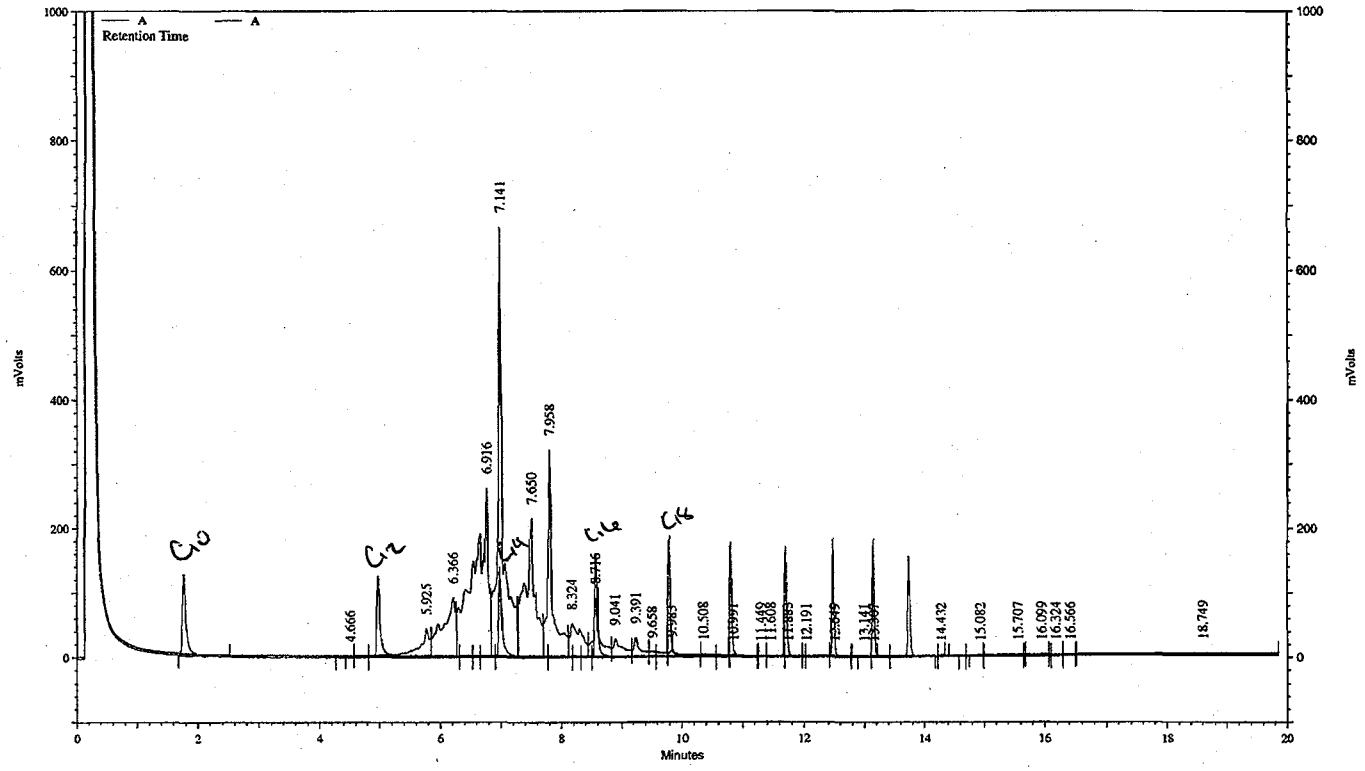
Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code	Description
A	Analyte averaged calibration criteria within acceptable limits.
B	Analyte detected in associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Calibration criteria exceeded.

Solid sample results reported on a Dry Weight Basis

DRO



C:\Instarch\Semi5\Data\030207dro\030.dat, A

C:\Instarch\Semi5\Data\030207dro\027.dat, A

UST Chain of Custody

CTLaboratories

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Tel. Fx 608-356-2766
www.ctlaboratories.com

Company Name: MSA

Project Contact: Kevin Olson
Telephone: 608-355-8916
Project Name: Reedsburg FD
Project Number: 9996005
Project Location: Reedsburg
Sampled By: Kevin Olson

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other _____

****
Folder #: 58994
Company: MSA PROFESSIONAL S
Project: REEDSBURG FD
Logged By: JLS PM: ET
****

Ice Present (Yes) No
Temperature 6.9
Initials JLS
Date 3/1/07 Time 1230
Cooler # _____

Mail Report To: Kevin Olson
Company: MSA
Address:
City/State/Zip:
Invoice To:
Address:
City/State/Zip:
PO No.
Contract No.

Turnaround Time
Normal RUSH* Date Needed _____
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number _____

Collection Date	Collection Time	Field Screen	Field ID	Grab/ Comp	Sample ID	Filt'd Y/N	WDNR Well ID #	**Matrix:	DRO	GRO	GRO/PVOC	PVOC	LEAD	CADIUM	VOC 8021 LUST	PAH	%SOLIDS	Fingerprint Reduced Hg		Total No of Containers	Total No of Cont. Rec'd	Preservation*	Client Special Instructions: / Lab ID #
							Fill in Spaces with Bottles per Test																	
3/1/07	11:15	N	1NW	Grab	Sump NW	N												X		3			4567160
3/1/07	11:15	N	2NE	Grab	Floor NE	N									X					2			4567161
3/1/07	11:15	N	3E	Grab	Sump East	N									X					2			4567162
3/1/07	11:15	N	4S	Grab	Sump South	N									X					2			4567163

Relinquished By:	Date/Time	Received by:	Date/Time
	3/1/07 12:24		
Relinquished By:	Date/Time	Received by:	Date/Time
			3/1/07 1235

**Matrix
S - Soil A - Air Slg - Sludge M - Misc Waste
GW - Groundwater SW - Surface Water
WW - Wastewater DW - Drinking Water

* Preservation Code
A=None B=HCL
C=H2SO4
D=HNO3 E=Encore
F=Methanol
G=NaOH
O=Other _____

CTLaboratories

Send Payment to: PO Box 0573
Baraboo, WI 53913-0573
Phone: (608) 356-2760
Fax: (608) 356-2766
www.ctlaboratories.com

INVOICE

MSA PROFESSIONAL SERVICES
ACCOUNTS PAYABLE
1230 SOUTH BLVD
BARABOO, WI 53913

Invoice Number:58941

Invoice Date: 3/13/2007
Project Name: REEDSBURG FD
Project Number: 9990005
Purchase Order:
Contract Number: 1269
Folder#: 58994
Page 1 of 1

Item	Matrix	Quantity	Price	Surcharge	Total
FINGERPRINT ID	SOLID	1	$ 80.00		$80.00
VOC 8260 LUST	WATER	3	$ 70.00		$210.00
				Total:	**$290.00**

CC:

******Please reference invoice number when submitting payment******
CT Laboratories Terms and Conditions apply. Payment Terms are Net 30 days.
A surcharge of 1 1/2 % per month will be applied to overdue invoices.

Kuehling, Harlan H - DNR

From: Kevin Olson [KEVINO@msa-ps.com]
Sent: Thursday, April 12, 2007 3:06 PM
To: Kuehling, Harlan H - DNR
Cc: Steve Zibell
Subject: Fwd: Reedsburg Fire Station
Attachments: 58994_1.pdf

Hi Hank,

Just following up to see if you'd had a chance to review the following information regarding the Reedsburg Fire Station. I've been holding off on recommending additional work pending your response to the City. If you have questions or would like to discuss, feel free to give me a call.

Kevin

>>> Kevin Olson 3/13/2007 1:40 PM >>>
Hank:

Results of water tests from sumps and groundwater from the basement of the Reedsburg Fire Station are attached. The water contains high levels of petroleum and chlorinated chemicals.

The sumps and groundwater were sampled to determine the cause of strong petroleum odors which have been present in the basement of the Fire Station for many years (decades?). I don't have a concise history at this time; however, it is my understanding that the basement was used for office space and storage many years ago when the building was originallly built. At some point 10 to 15 (?) years ago, the petroleum odor became evident and the petroleum odor eventually forced the City to abandon all use of the basement. Other than abandoning the space and installing a door to block vapors from coming up the stairs, no other actions were taken until recently. The City is currently considering space needs and remodelling projects for several City-owned facilities, which prompted their inquiry about the petroleum odors and options regarding the basement. The City contacted MSA regarding the odor two weeks ago. MSA sampled the sumps and groundwater on March 1, 2007. The laboratory report for the samples was received today and is attached for your information. No organic vapors were measurable in the basement using a photoionization detector.

The Reedsburg Fire Station is located at 131 South Park Street in Reedsburg, WI. It is on the northeast corner of South Park and Vine Streets. The floor of the basement is three or four feet BELOW the normal groundwater elevation, as measured in an existing monitoring well on the corner of Park and Vine Streets, and based on water stains on the basement wall. The water level is controlled by pumping from three sumps which I understand collect water from an exterior drain system and discharge to the City sanitary sewer. The building is immediately downgradient from Spellman Monument and also downgradient from a former dry cleaning facility, both of which are located at Locust and Main Street. It is not known if either Spellman Monument or the dry cleaner is the source of the contamination in the basement of the fire station, but both are clearly potential sources. Additional investigation will be required to determine if other potential sources of contamination exist in the area.

I will be submitting a proposal to the City next week regarding additional investigation, including research to identify potential sources of the contamination and an evaluation of options to make the basement safe and functional.

The contact at the City of Reedsburg is Steven Zibell, City Engineer, P.O. Box 490, 53959-0490, 608-524-6404. Please contact Steve or me if you need additional information at this time.

Kevin L. Olson
Team Leader, Sr. Hydrogeologist
MSA Professional Services, Inc.
1230 South Boulevard
Baraboo, WI 53913
Phone: 800-362-4505 (toll free)
Phone: 608-355-8916 (direct line)
Phone: 608-963-2678 (mobile)
Fax: 608-356-2770
email: kevino@msa-ps.com

CT Lab#: 456761 Sample Description: FLOOR NE Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Benzene	890	ug/L	20	65	50.0			3/12/2007	APG	EPA 8260B
Bromobenzene	<6.0	ug/L	6.0	21	10.0			3/9/2007	APG	EPA 8260B
Bromodichloromethane	<1.5	ug/L	1.5	5.1	10.0			3/9/2007	APG	EPA 8260B
n-Butylbenzene	<4.0	ug/L	4.0	13	10.0			3/9/2007	APG	EPA 8260B
sec-Butylbenzene	<5.0	ug/L	5.0	16	10.0			3/9/2007	APG	EPA 8260B
tert-Butylbenzene	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
Carbon tetrachloride	<5.0	ug/L	5.0	18	10.0			3/9/2007	APG	EPA 8260B
Chlorobenzene	<4.0	ug/L	4.0	15	10.0			3/9/2007	APG	EPA 8260B
Chlorodibromomethane	<2.8	ug/L	2.8	9.5	10.0			3/9/2007	APG	EPA 8260B
Chloroethane	<6.0	ug/L	6.0	20	10.0			3/9/2007	APG	EPA 8260B
Chloroform	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
Chloromethane	<3.0	ug/L	3.0	11	10.0			3/9/2007	APG	EPA 8260B
Dichlorodifluoromethane	<2.9	ug/L	2.9	9.7	10.0			3/9/2007	APG	EPA 8260B
Diisopropyl ether	<4.0	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
Ethylbenzene	230	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
Hexachlorobutadiene	<9.0	ug/L	9.0	29	10.0			3/9/2007	APG	EPA 8260B
Isopropylbenzene	8.9	ug/L	6.0	22	10.0	*		3/9/2007	APG	EPA 8260B
p-Isopropyltoluene	<4.0	ug/L	4.0	15	10.0			3/9/2007	APG	EPA 8260B
Methyl tert-butyl ether	<4.0	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
Methylene chloride	<10	ug/L	10	32	10.0			3/9/2007	APG	EPA 8260B
Naphthalene	32	ug/L	7.0	23	10.0			3/9/2007	APG	EPA 8260B
n-Propylbenzene	19	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
Tetrachloroethene	<2.9	ug/L	2.9	9.8	10.0			3/9/2007	APG	EPA 8260B
Toluene	570	ug/L	20	70	50.0			3/12/2007	APG	EPA 8260B
Trichloroethene	17	ug/L	1.5	5.0	10.0			3/9/2007	APG	EPA 8260B
Trichlorofluoromethane	<7.0	ug/L	7.0	25	10.0			3/9/2007	APG	EPA 8260B
Vinyl chloride	<1.5	ug/L	1.5	5.1	10.0			3/9/2007	APG	EPA 8260B
m & p-Xylene	180	ug/L	9.0	30	10.0			3/9/2007	APG	EPA 8260B
o-Xylene	70	ug/L	6.0	19	10.0			3/9/2007	APG	EPA 8260B

CT Lab#: 456762 Sample Description: SUMP EAST Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<0.70	ug/L	0.70	2.4	1.0			3/8/2007	APG	EPA 8260B
1,1,1-Trichloroethane	<0.50	ug/L	0.50	1.6	1.0			3/8/2007	APG	EPA 8260B

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289
LA NELAP Certification Number: 04091

Solid sample results reported on a Dry Weight Basis

CTLaboratories

1230 Lange Court
Baraboo, WI 53913-3109
Phone: (800) 228-3012
Fax: (608) 356-2766
www.ctlaboratories.com

ANALYTICAL REPORT

MSA PROFESSIONAL SERVICES
KEVIN OLSON
1230 SOUTH BLVD
BARABOO, WI 53913

Project Name: REEDSBURG FD
Contract #: 1269
Project #: 9990005
Folder #: 58994
Purchase Order #:
Arrival Temperature: See COC

Report Date: 3/13/2007
Date Received: 3/1/2007

Reprint Date:

CT Lab#: 456761 Sample Description: FLOOR NE Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results										
1,1,1,2-Tetrachloroethane	<7.0	ug/L	7.0	24	10.0			3/9/2007	APG	EPA 8260B
1,1,1-Trichloroethane	<5.0	ug/L	5.0	16	10.0			3/9/2007	APG	EPA 8260B
1,1,2,2-Tetrachloroethane	<1.3	ug/L	1.3	4.3	10.0			3/9/2007	APG	EPA 8260B
1,1,2-Trichloroethane	<5.0	ug/L	5.0	18	10.0			3/9/2007	APG	EPA 8260B
1,1-Dichloroethane	<4.0	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
1,1-Dichloroethene	<3.0	ug/L	3.0	12	10.0			3/9/2007	APG	EPA 8260B
1,2,3-Trichlorobenzene	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
1,2,4-Trichlorobenzene	<7.0	ug/L	7.0	23	10.0			3/9/2007	APG	EPA 8260B
1,2,4-Trimethylbenzene	59	ug/L	5.0	16	10.0			3/9/2007	APG	EPA 8260B
1,2-Dibromo-3-chloropropane	<3.0	ug/L	3.0	12	10.0			3/9/2007	APG	EPA 8260B
1,2-Dibromoethane	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
1,2-Dichlorobenzene	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
1,2-Dichloroethane	<5.0	ug/L	5.0	15	10.0			3/9/2007	APG	EPA 8260B
cis-1,2-Dichloroethene	180	ug/L	4.0	14	10.0			3/9/2007	APG	EPA 8260B
trans-1,2-Dichloroethene	<4.0	ug/L	4.0	15	10.0			3/9/2007	APG	EPA 8260B
1,2-Dichloropropane	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
1,3,5-Trimethylbenzene	12	ug/L	4.0	* 14	10.0			3/9/2007	APG	EPA 8260B
1,3-Dichlorobenzene	<4.0	ug/L	4.0	15	10.0			3/9/2007	APG	EPA 8260B
1,3-Dichloropropane	<5.0	ug/L	5.0	18	10.0			3/9/2007	APG	EPA 8260B
1,4-Dichlorobenzene	<6.0	ug/L	6.0	20	10.0			3/9/2007	APG	EPA 8260B
2,2-Dichloropropane	<6.0	ug/L	6.0	19	10.0			3/9/2007	APG	EPA 8260B
2-Chlorotoluene	<5.0	ug/L	5.0	17	10.0			3/9/2007	APG	EPA 8260B
4-Chlorotoluene	<6.0	ug/L	6.0	20	10.0			3/9/2007	APG	EPA 8260B

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289
LA NELAP Certification Number: 04091

Solid sample results reported on a Dry Weight Basis

CT Lab#: 456762 Sample Description: SUMP EAST Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1,1,2,2-Tetrachloroethane	<0.13	ug/L	0.13	0.43	1.0			3/8/2007	APG	EPA 8260B
1,1,2-Trichloroethane	<0.50	ug/L	0.50	1.8	1.0			3/8/2007	APG	EPA 8260B
1,1-Dichloroethane	<0.40	ug/L	0.40	1.4	1.0			3/8/2007	APG	EPA 8260B
1,1-Dichloroethene	<0.30	ug/L	0.30	1.2	1.0			3/8/2007	APG	EPA 8260B
1,2,3-Trichlorobenzene	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
1,2,4-Trichlorobenzene	<0.70	ug/L	0.70	2.3	1.0			3/8/2007	APG	EPA 8260B
1,2,4-Trimethylbenzene	40	ug/L	10	32	20.0			3/12/2007	APG	EPA 8260B
1,2-Dibromo-3-chloropropane	<0.30	ug/L	0.30	1.2	1.0			3/8/2007	APG	EPA 8260B
1,2-Dibromoethane	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
1,2-Dichlorobenzene	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
1,2-Dichloroethane	<0.50	ug/L	0.50	1.5	1.0			3/8/2007	APG	EPA 8260B
cis-1,2-Dichloroethene	54	ug/L	8.0	28	20.0			3/12/2007	APG	EPA 8260B
trans-1,2-Dichloroethene	<0.40	ug/L	0.40	1.5	1.0			3/8/2007	APG	EPA 8260B
1,2-Dichloropropane	0.86	ug/L	0.50	* 1.7	1.0			3/8/2007	APG	EPA 8260B
1,3,5-Trimethylbenzene	7.4	ug/L	0.40	1.4	1.0			3/8/2007	APG	EPA 8260B
1,3-Dichlorobenzene	<0.40	ug/L	0.40	1.5	1.0			3/8/2007	APG	EPA 8260B
1,3-Dichloropropane	<0.50	ug/L	0.50	1.8	1.0			3/8/2007	APG	EPA 8260B
1,4-Dichlorobenzene	<0.60	ug/L	0.60	2.0	1.0			3/8/2007	APG	EPA 8260B
2,2-Dichloropropane	<0.60	ug/L	0.60	1.9	1.0			3/8/2007	APG	EPA 8260B
2-Chlorotoluene	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
4-Chlorotoluene	<0.60	ug/L	0.60	2.0	1.0			3/8/2007	APG	EPA 8260B
Benzene	450	ug/L	8.0	26	20.0			3/12/2007	APG	EPA 8260B
Bromobenzene	<0.60	ug/L	0.60	2.1	1.0			3/8/2007	APG	EPA 8260B
Bromodichloromethane	<0.15	ug/L	0.15	0.51	1.0			3/8/2007	APG	EPA 8260B
n-Butylbenzene	1.7	ug/L	0.40	1.3	1.0			3/8/2007	APG	EPA 8260B
sec-Butylbenzene	0.82	ug/L	0.50	* 1.6	1.0			3/8/2007	APG	EPA 8260B
tert-Butylbenzene	<0.50	ug/L	0.50	1.7	1.0			3/8/2007	APG	EPA 8260B
Carbon tetrachloride	<0.50	ug/L	0.50	1.8	1.0			3/8/2007	APG	EPA 8260B
Chlorobenzene	<0.40	ug/L	0.40	1.5	1.0			3/8/2007	APG	EPA 8260B
Chlorodibromomethane	<0.28	ug/L	0.28	0.95	1.0			3/8/2007	APG	EPA 8260B
Chloroethane	<0.60	ug/L	0.60	2.0	1.0			3/8/2007	APG	EPA 8260B
Chloroform	1.1	ug/L	0.50	* 1.7	1.0			3/8/2007	APG	EPA 8260B
Chloromethane	2.2	ug/L	0.30	1.1	1.0			3/8/2007	APG	EPA 8260B
Dichlorodifluoromethane	<0.29	ug/L	0.29	0.97	1.0			3/8/2007	APG	EPA 8260B
Diisopropyl ether	<0.40	ug/L	0.40	1.4	1.0			3/8/2007	APG	EPA 8260B
Ethylbenzene	110	ug/L	10	34	20.0			3/12/2007	APG	EPA 8260B
Hexachlorobutadiene	<0.90	ug/L	0.90	2.9	1.0			3/8/2007	APG	EPA 8260B

WI DNR Lab Certification Number: 15-7066030
DATCP Certification Number: 105-000289
LA NELAP Certification Number: 04091

Solid sample results reported on a Dry Weight Basis

CT Lab#: 456762 Sample Description: SUMP EAST Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Isopropylbenzene	6.8	ug/L	0.60		2.2	1.0			3/8/2007	APG	EPA 8260B
p-Isopropyltoluene	<0.40	ug/L	0.40		1.5	1.0			3/8/2007	APG	EPA 8260B
Methyl tert-butyl ether	<0.40	ug/L	0.40		1.4	1.0			3/8/2007	APG	EPA 8260B
Methylene chloride	<1.0	ug/L	1.0		3.2	1.0			3/8/2007	APG	EPA 8260B
Naphthalene	20	ug/L	0.70		2.3	1.0			3/8/2007	APG	EPA 8260B
n-Propylbenzene	13	ug/L	0.40		1.4	1.0			3/8/2007	APG	EPA 8260B
Tetrachloroethene	0.95	ug/L	0.29	*	0.98	1.0			3/8/2007	APG	EPA 8260B
Toluene	300	ug/L	8.0		28	20.0			3/12/2007	APG	EPA 8260B
Trichloroethene	6.8	ug/L	0.15		0.50	1.0			3/8/2007	APG	EPA 8260B
Trichlorofluoromethane	<0.70	ug/L	0.70		2.5	1.0			3/8/2007	APG	EPA 8260B
Vinyl chloride	0.24	ug/L	0.15	*	0.51	1.0			3/8/2007	APG	EPA 8260B
m & p-Xylene	130	ug/L	18		60	20.0			3/12/2007	APG	EPA 8260B
o-Xylene	47	ug/L	12		38	20.0			3/12/2007	APG	EPA 8260B

CT Lab#: 456763 Sample Description: SUMP SOUTH Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD		LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Organic Results											
1,1,1,2-Tetrachloroethane	<1.4	ug/L	1.4		4.8	2.0			3/8/2007	APG	EPA 8260B
1,1,1-Trichloroethane	<1.0	ug/L	1.0		3.2	2.0			3/8/2007	APG	EPA 8260B
1,1,2,2-Tetrachloroethane	<0.26	ug/L	0.26		0.86	2.0			3/8/2007	APG	EPA 8260B
1,1,2-Trichloroethane	<1.0	ug/L	1.0		3.6	2.0			3/8/2007	APG	EPA 8260B
1,1-Dichloroethane	<0.80	ug/L	0.80		2.8	2.0			3/8/2007	APG	EPA 8260B
1,1-Dichloroethene	<0.60	ug/L	0.60		2.4	2.0			3/8/2007	APG	EPA 8260B
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0		3.4	2.0			3/8/2007	APG	EPA 8260B
1,2,4-Trichlorobenzene	<1.4	ug/L	1.4		4.6	2.0			3/8/2007	APG	EPA 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0		3.2	2.0			3/8/2007	APG	EPA 8260B
1,2-Dibromo-3-chloropropane	<0.60	ug/L	0.60		2.4	2.0			3/8/2007	APG	EPA 8260B
1,2-Dibromoethane	<1.0	ug/L	1.0		3.4	2.0			3/8/2007	APG	EPA 8260B
1,2-Dichlorobenzene	<1.0	ug/L	1.0		3.4	2.0			3/8/2007	APG	EPA 8260B
1,2-Dichloroethane	<1.0	ug/L	1.0		3.0	2.0			3/8/2007	APG	EPA 8260B
cis-1,2-Dichloroethene	20	ug/L	0.80		2.8	2.0			3/8/2007	APG	EPA 8260B
trans-1,2-Dichloroethene	<0.80	ug/L	0.80		3.0	2.0			3/8/2007	APG	EPA 8260B
1,2-Dichloropropane	<1.0	ug/L	1.0		3.4	2.0			3/8/2007	APG	EPA 8260B
1,3,5-Trimethylbenzene	<0.80	ug/L	0.80		2.8	2.0			3/8/2007	APG	EPA 8260B
1,3-Dichlorobenzene	<0.80	ug/L	0.80		3.0	2.0			3/8/2007	APG	EPA 8260B

Solid sample results reported on a Dry Weight Basis

CT Lab#: 456763 Sample Description: SUMP SOUTH Sampled: 3/1/2007 1115

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
1,3-Dichloropropane	<1.0	ug/L	1.0	3.6	2.0			3/8/2007	APG	EPA 8260B
1,4-Dichlorobenzene	<1.2	ug/L	1.2	4.0	2.0			3/8/2007	APG	EPA 8260B
2,2-Dichloropropane	<1.2	ug/L	1.2	3.8	2.0			3/8/2007	APG	EPA 8260B
2-Chlorotoluene	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
4-Chlorotoluene	<1.2	ug/L	1.2	4.0	2.0			3/8/2007	APG	EPA 8260B
Benzene	3.9	ug/L	0.80	2.6	2.0			3/8/2007	APG	EPA 8260B
Bromobenzene	<1.2	ug/L	1.2	4.2	2.0			3/8/2007	APG	EPA 8260B
Bromodichloromethane	<0.30	ug/L	0.30	1.0	2.0			3/8/2007	APG	EPA 8260B
n-Butylbenzene	<0.80	ug/L	0.80	2.6	2.0			3/8/2007	APG	EPA 8260B
sec-Butylbenzene	<1.0	ug/L	1.0	3.2	2.0			3/8/2007	APG	EPA 8260B
tert-Butylbenzene	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
Carbon tetrachloride	<1.0	ug/L	1.0	3.6	2.0			3/8/2007	APG	EPA 8260B
Chlorobenzene	<0.80	ug/L	0.80	3.0	2.0			3/8/2007	APG	EPA 8260B
Chlorodibromomethane	<0.56	ug/L	0.56	1.9	2.0			3/8/2007	APG	EPA 8260B
Chloroethane	<1.2	ug/L	1.2	4.0	2.0			3/8/2007	APG	EPA 8260B
Chloroform	<1.0	ug/L	1.0	3.4	2.0			3/8/2007	APG	EPA 8260B
Chloromethane	<0.60	ug/L	0.60	2.2	2.0			3/8/2007	APG	EPA 8260B
Dichlorodifluoromethane	<0.58	ug/L	0.58	1.9	2.0			3/8/2007	APG	EPA 8260B
Diisopropyl ether	<0.80	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
Ethylbenzene	1.1	ug/L	1.0	3.4	2.0	*		3/8/2007	APG	EPA 8260B
Hexachlorobutadiene	<1.8	ug/L	1.8	5.8	2.0			3/8/2007	APG	EPA 8260B
Isopropylbenzene	<1.2	ug/L	1.2	4.4	2.0			3/8/2007	APG	EPA 8260B
p-Isopropyltoluene	<0.80	ug/L	0.80	3.0	2.0			3/8/2007	APG	EPA 8260B
Methyl tert-butyl ether	2.6	ug/L	0.80	2.8	2.0	*		3/8/2007	APG	EPA 8260B
Methylene chloride	2.3	ug/L	2.0	6.4	2.0	*		3/8/2007	APG	EPA 8260B
Naphthalene	<1.4	ug/L	1.4	4.6	2.0			3/8/2007	APG	EPA 8260B
n-Propylbenzene	<0.80	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
Tetrachloroethene	16	ug/L	0.58	2.0	2.0			3/8/2007	APG	EPA 8260B
Toluene	<0.80	ug/L	0.80	2.8	2.0			3/8/2007	APG	EPA 8260B
Trichloroethene	40	ug/L	0.30	1.0	2.0			3/8/2007	APG	EPA 8260B
Trichlorofluoromethane	<1.4	ug/L	1.4	5.0	2.0			3/8/2007	APG	EPA 8260B
Vinyl chloride	<0.30	ug/L	0.30	1.0	2.0			3/8/2007	APG	EPA 8260B
m & p-Xylene	<1.8	ug/L	1.8	6.0	2.0			3/8/2007	APG	EPA 8260B
o-Xylene	<1.2	ug/L	1.2	3.8	2.0			3/8/2007	APG	EPA 8260B

Solid sample results reported on a Dry Weight Basis

Notes regarding entire Chain of Custody:

Notes: * Indicates Value in between LOD and LOQ.
All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

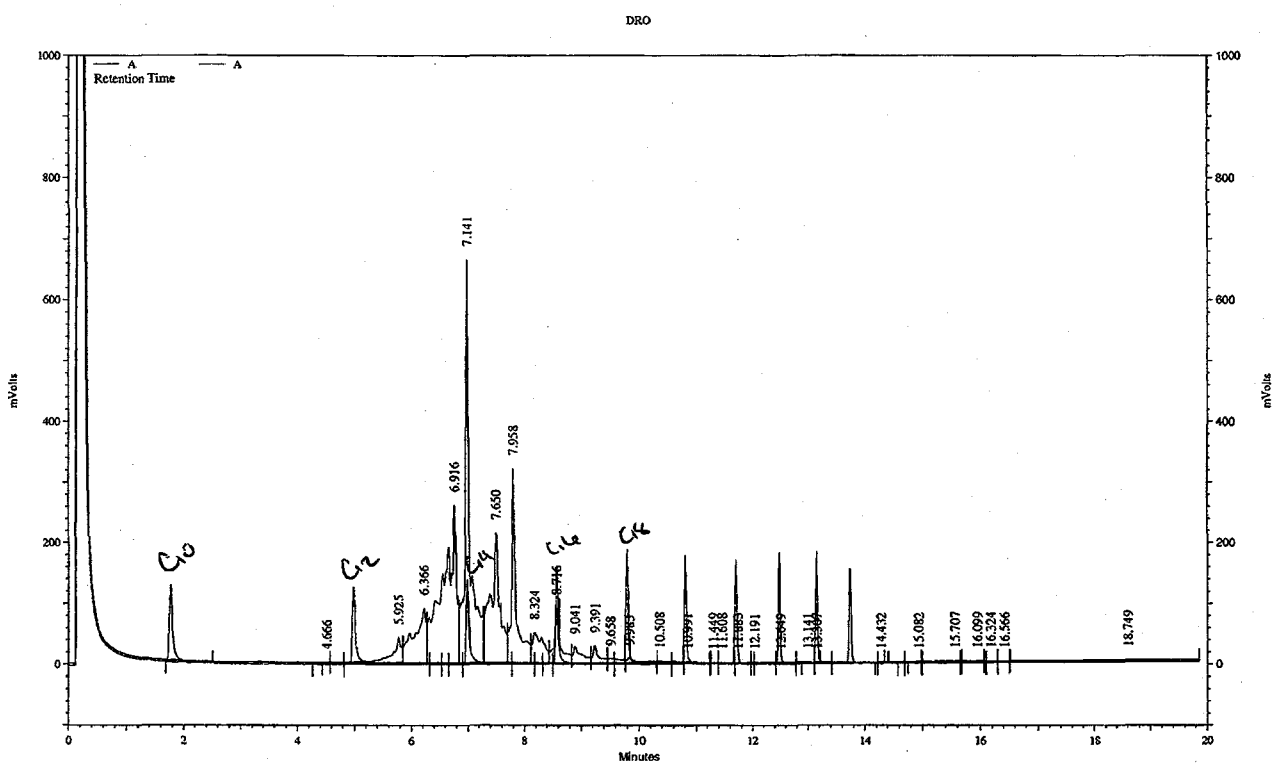
This report satisfies the requirements of your project but has not been prepared to comply with NELAP reporting requirements.

Submitted by: _____

Eric T. Korthals
Project Manager
608-356-2760

QC Qualifiers

Code	Description
A	Analyte averaged calibration criteria within acceptable limits.
B	Analyte detected in associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Calibration criteria exceeded.



C:\Instarch\Semi5\Data\030207dro\030.dat, A

C:\Instarch\Semi5\Data\030207dro\027.dat, A

UST Chain of Custody

CTLaboratories

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Tel. Fx 608-356-2766
www.ctlaboratories.com

Company Name: MSA

Project Contact: Kevin Olson
Telephone: 608-355-8916
Project Name: Reedsburg FD
Project Number: 9996005
Project Location: Reedsburg
Sampled By: Kevin Olson

Regulatory Program:
UST RCRA SDWA NPDES
Solid Waste Other _____

Turnaround Time
Normal RUSH* Date Needed _____
*Notify Lab prior to sending in RUSH
Surcharges 24 hr 200% 2-3 days 100% 4-9 days 50%
Surcharges subject to change without notice.

Landfill License Number _____

Folder #: 58994
Company: MSA PROFESSIONAL S
Project: REEDSBURG FD
Logged By: JLS PM: ET

Ice Present Yes No
Temperature 6.9
Initials JLS
Date 3/1/07 Time 1230
Cooler # _____

Mail Report To: Kevin Olson
Company: MSA
Address:
City/State/Zip:
Invoice To:
Address:
City/State/Zip:
PO No.
Contract No.

Client Special Instructions:

Collection Date	Collection Time	Field Screen	Field ID	Grab/ Comp	Sample ID	Fil'd Y/N	WDNR Well ID #	**Matrix:	DRO	GRO	GRO/PVOC	PVOC	LEAD	CADIUM	VOC 8021 LUST	PAH	%SOLIDS	Fingerprint Reduced FP		Total No of Containers	Total No of Cont. Rec'd	Preservation*	Lab ID #
							Fill in Spaces with Bottles per Test																	
3/1/07	11:15	N	1NW	Grab	Sump NW	N												X		3			456760
3/1/07	11:15	N	2NE	Grab	Floor NE	N									X					2			456761
3/1/07	11:15	N	3E	Grab	Sump East	N									X					2			456762
3/1/07	11:15	N	4S	Grab	Sump South	N									X					2			456763

Relinquished By:	Date/Time	Received by:	Date/Time
	3/1/07 12:24		
Relinquished By:	Date/Time	Received by:	Date/Time
			3/1/07 1235

**Matrix
S - Soil A - Air Slg - Sludge M - Misc Waste
GW - Groundwater SW - Surface Water
WW - Wastewater DW - Drinking Water

* Preservation Code
A=None B=HCL
C=H2SO4
D=HNO3 E=Encore
F=Methanol
G=NaOH
O=Other _____

CTLaboratories

Send Payment to: PO Box 0573
Baraboo, WI 53913-0573
Phone: (608) 356-2760
Fax: (608) 356-2766
www.ctlaboratories.com

INVOICE

MSA PROFESSIONAL SERVICES
ACCOUNTS PAYABLE
1230 SOUTH BLVD
BARABOO, WI 53913

Invoice Number:58941

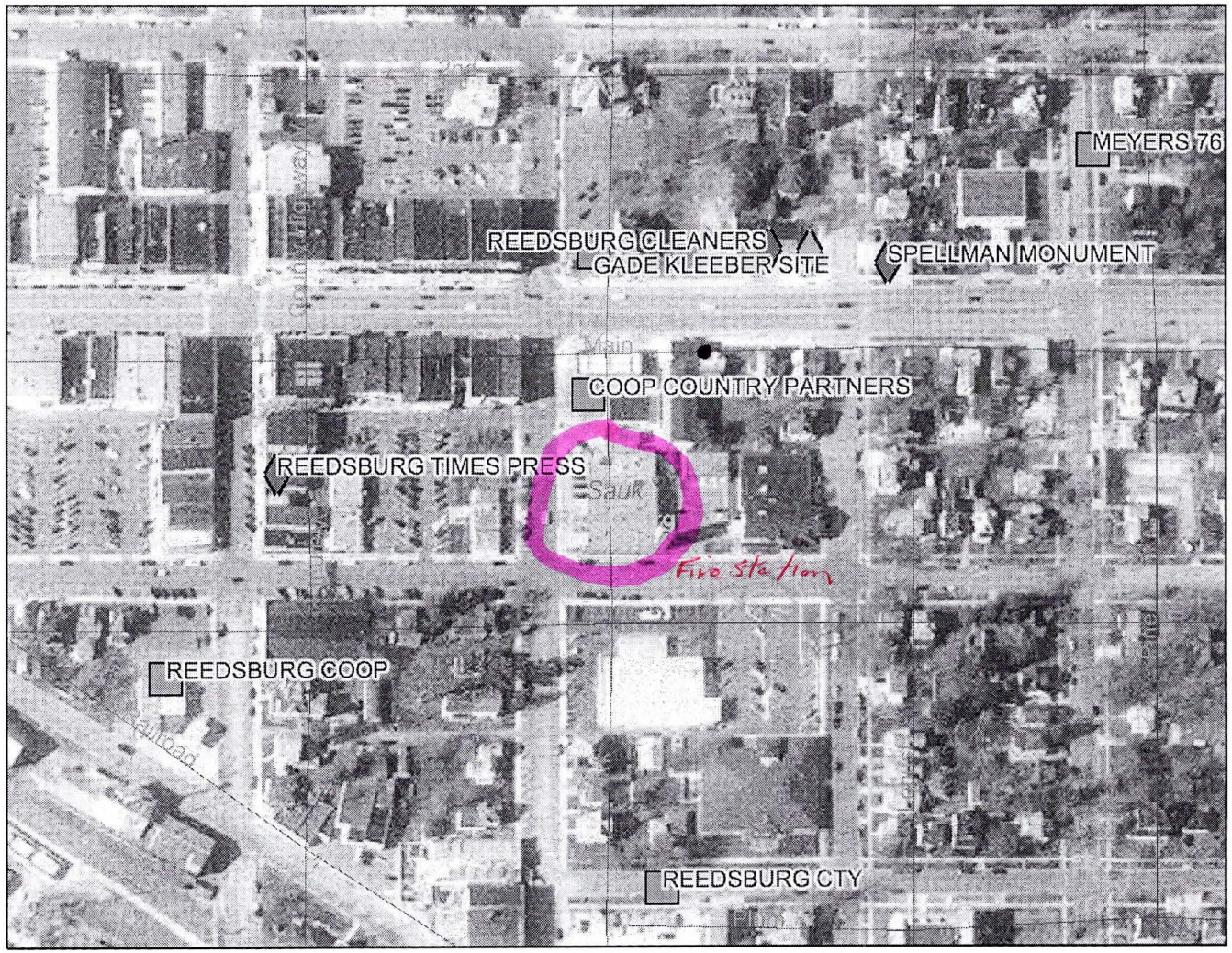
Invoice Date: 3/13/2007
Project Name: REEDSBURG FD
Project Number: 9990005
Purchase Order:
Contract Number: 1269
Folder#: 58994

Item	Matrix	Quantity	Price	Surcharge	Total
FINGERPRINT ID	SOLID	1	$ 80.00		$80.00
VOC 8260 LUST	WATER	3	$ 70.00		$210.00
				Total:	**$290.00**

CC:

******Please reference invoice number when submitting payment******
CT Laboratories Terms and Conditions apply. Payment Terms are Net 30 days.
A surcharge of 1 1/2 % per month will be applied to overdue invoices.

Map Created on Apr 25, 2007



Legend

All activities
- LUST open
- ERP open
- LUST closed
- ERP closed

Larger Activities
- LUST open
- ERP open
- LUST closed
- ERP closed

County Boundary
24K Open Water
Municipalities

0 250 500 750 ft.

Scale: 1:2,604

Map created on Apr 25, 2007

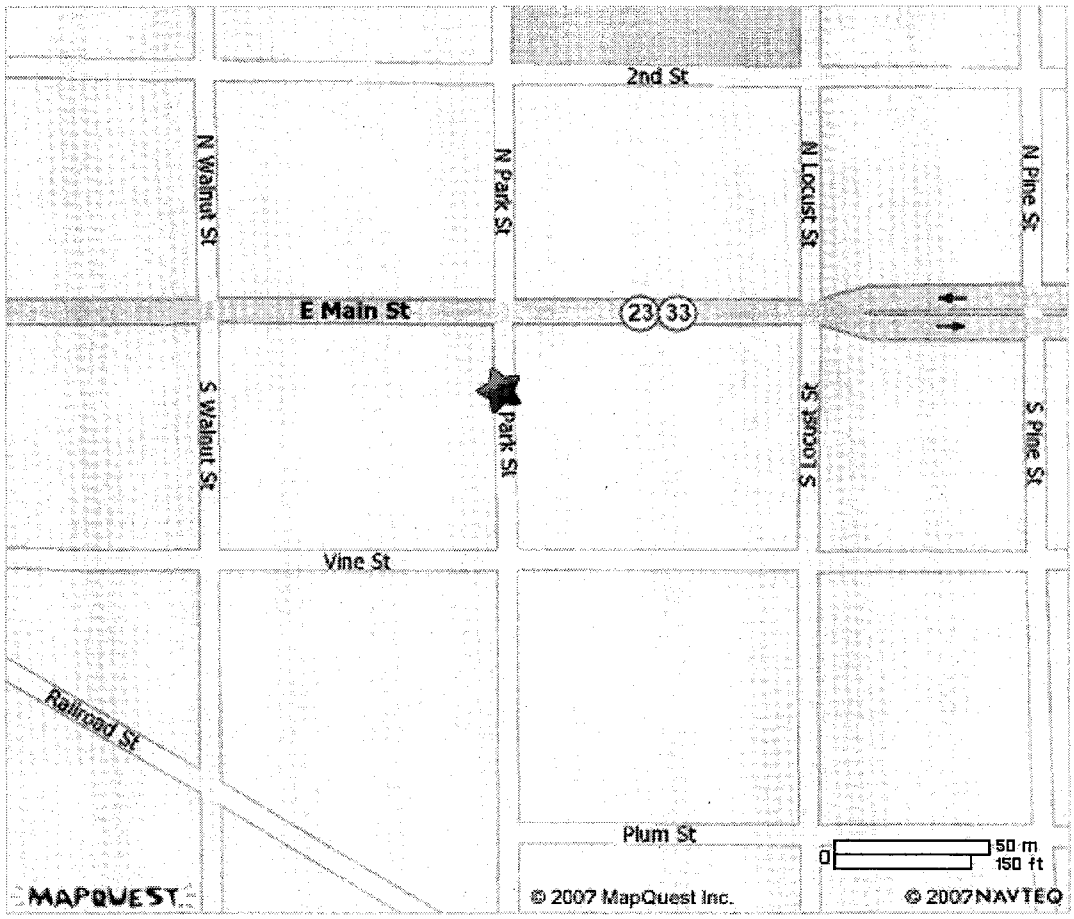
Sorry! When printing directly from the browser your map may be incorrectly cropped. To print the entire map, try clicking the **"Printer-Friendly"** link at the top of your results page.

MAPQUEST.

131 S Park St

Reedsburg, WI 53959-1944, US

Sorry! When printing directly from the browser your map may be incorrectly cropped. To print the entire map, try clicking the **"Printer-Friendly"** link at the top of your results page.



Sorry! When printing directly from the browser your map may be incorrectly cropped. To print the entire map, try clicking the **"Printer-Friendly"** link at the top of your results page.

MAPQUEST

★ 349 E Main St

Reedsburg, WI 53959-1941, US

Sorry! When printing directly from the browser your map may be incorrectly cropped. To print the entire map, try clicking the **"Printer-Friendly"** link at the top of your results page.

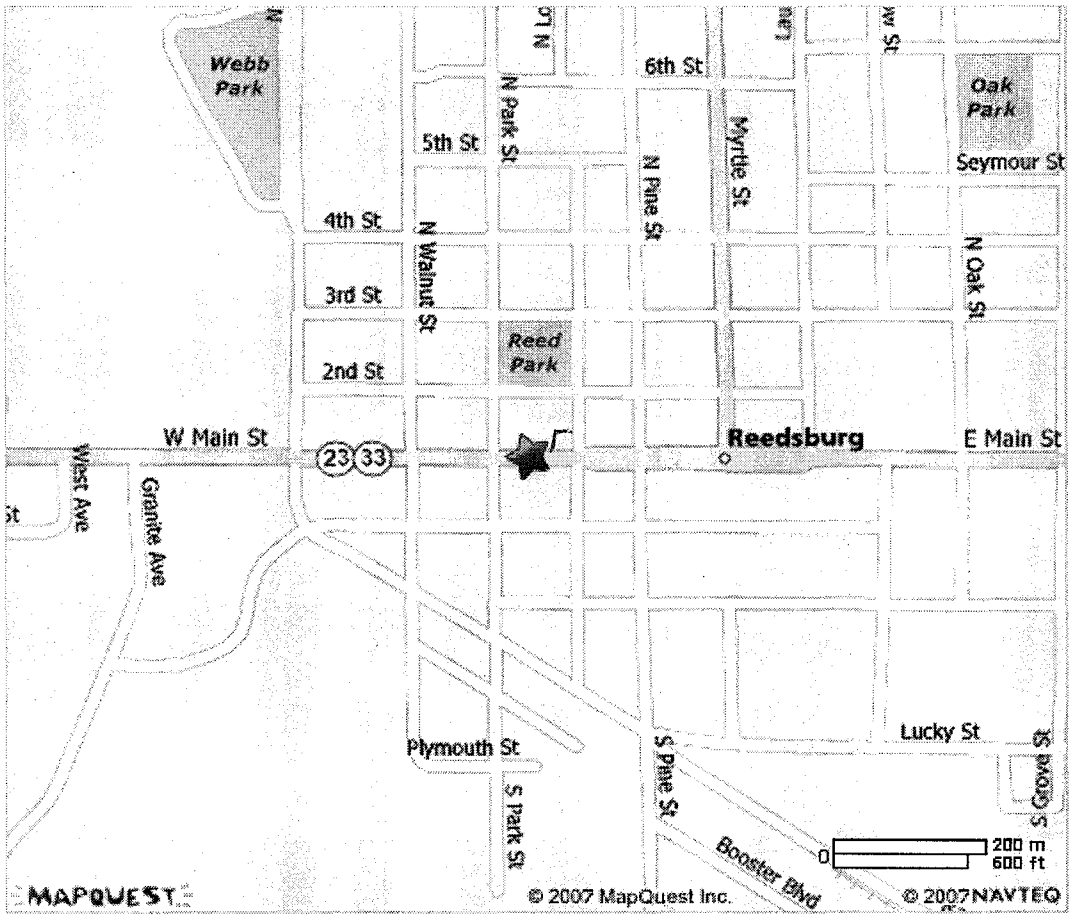


TABLE 4
DETECTED VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN GROUNDWATER SAMPLES
REEDSBURG CLEANERS - REEDSBURG, WISCONSIN
STS Project NO. 5-88027XA

Well Location	Sample Date	Benzene (ug/L)	Chloro-form (ug/L)	1,2-Dibromo ethane(EDB)	Dichlorod ifluorome thane	cis-1,2-Dichloro-ethene (ug/L)	trans-1,2-Dichloro-ethene (ug/L)	Ethyl-benzene (ug/L)	Isopropyl-benzene (ug/L)	Naphthalene	n-Propyl-benzene (ug/L)	Tetra-chloro-ethene (ug/L)	Toluene (ug/L)	Trichloro-ethene	1,2,4-Trimethylb enzene (ug/L)	1,3,5-Trimethylb enzene (ug/L)	Total Xylenes (ug/L)
MW-1	**1/5/06**	**840**	<32	<32	<80	<80	<80	**1,400**	62J	**200**	130J	**3,100**	**7,200**	**140**	**1,100**	*270*	*5,400*
MW-2	**1/5/06**	**15,000**	<20	**300**	<50	73J	<50	**1,800**	62J	**180**	130J	**340**	**21,000**	31J	**990**	*290*	*6,800*
MW-3	**1/5/06**	**1,500**	<20	<20	<50	<50	<50	**900**	33J	**110**	61J	**3,300**	**7,300**	**110**	**620**	*160*	*3,800*
MW-3D	**1/5/06**	**1,600**	<20	<20	<50	<50	<50	**1,000**	34J	**100**	60J	**3,500**	**8,000**	**110**	**650**	*180*	*4,200*
MW-4	**1/5/06**	**690**	<20	<20	<50	<50	<50	**800**	34J	79J	70J	**4,200**	**4,700**	**130**	**550**	*140*	*3,200*
MW-5	**1/5/06**	**20**	0.46J	<0.40	<1.0	*38*	1.6J	50	3.2	*9.6*	6.2	**300**	40	**560**	50	12	110
MW-6	**1/5/06**	**29**	*2.0*	<0.20	0.61J	2.2	<0.50	44	2.0	6.5	3.7	**500**	69	**11**	34	9.0	120
MW-6D	**1/5/06**	**25**	*1.9*	<0.20	0.61J	2.0	<0.50	39	1.8	6.0	3.2	**410**	62	**10**	29	8.1	110
MW-7	**1/5/06**	**35**	<0.80	<0.80	<2.0	<2.0	<2.0	64	3.2	*11*	6.4J	**490**	140	*4.5*	52	11	250
MW-8	**1/5/06**	**3,200**	<20	<20	<50	<50	<50	**810**	35J	**98**	69J	64J	**1,900**	<20	**570**	*120*	*1,000*
MW-10	**1/5/06**	**9.4**	<0.20	<0.20	0.58J	6.4	<0.50	2.1	0.35J	0.63J	<0.50	**730**	1.8	**140**	0.92	<0.20	2.6
P-1	**1/5/06**	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.25	<0.50	*1.9*	<0.20	<0.20	0.20J	<0.20	<0.50
P-2	**1/5/06**	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.50
P-8	**1/5/06**	0.38J	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.25	<0.50	<0.50	0.22J	<0.20	<0.20	<0.20	<0.50
PAL[A]		0.5	0.6	0.005	200	7	20	140	NE	8	NE	0.5	200	0.5	96	96	1,000
ES[B]		5	6	0.05	1,000	70	100	700	NE	40	NE	5	1,000	5	480	480	10,000

Notes:
ug/L = micrograms per liter
PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2004 exceedances are *underlined italics*.
ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2004, exceedances are **bold**.
NE - No Criteria established